



AECOM
100 Corporate Parkway, Suite 341
Amherst, NY 14226-1200

716.836.4506 tel
716.834.8785 fax

November 8, 2012

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

**Subject: Fourth Quarter 2012 Groundwater Monitoring Report
October 2012 Sampling Event
Former Scott Aviation Facility
Lancaster, New York
NYSDEC Site Code No. 9-15-149**

Dear Mr. May,

On behalf of Scott Technologies, Inc., AECOM is pleased to provide the Fourth Quarter 2012 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 7, 2011 through April 3, 2012), dated May 2012, and the wells sampled during this groundwater monitoring event reflect this new schedule. Additionally, vapor samples were collected as part of the October 2012 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, 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 by July 31 of 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 2012 through July 2013). 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. An IC/EC certification was included with the two previous PRRs.

Quarterly Groundwater Monitoring Activities – October 2012

AECOM personnel collected quarterly groundwater samples on October 11 and 12, 2012, in accordance with the procedures outlined in the NYSDEC-approved RDWP. Monitoring wells sampled in October 2012 included MW-2, MW-3, MW-6, MW-8R, MW-10, MW-11, MW-12, and MW-13S (**Figure 2**). Field forms generated during this sampling event are provided in **Appendix A**. Groundwater samples were analyzed for VOCs by 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 October 11, 2012. A summary of current and historical groundwater levels and corresponding elevations and hydrographs for each monitoring well and nested piezometer pair are provided in **Appendix B**. Monitoring wells MW-2, MW-3, MW-6, MW-8R, MW-9, MW-10, MW-11, and MW-12 are screened across both the shallow and deep overburden groundwater zones. The nested piezometer pairs (MW-13S/D, MW-14S/D, MW-15S/D, and MW-16S/D) are discretely screened with one piezometer screened in the shallow overburden groundwater zone ('S' designation) and one piezometer screened in the deep overburden groundwater zone ('D' designation). **Figure 4** provides the groundwater surface contours and the corresponding groundwater flow direction using monitoring well and deep piezometer water elevation data collected on October 11, 2012.

Groundwater elevations measured on October 11, 2012 ranged from 684.34 feet above mean sea level (AMSL) at MW-15S to 667.82 feet AMSL at MW-8R. The average groundwater surface elevation across the site was 2 feet lower when compared to the prior round of groundwater measurements collected on July 5, 2012. Based on the October 2012 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 – October 2012

Table 3 summarizes VOC data for groundwater samples collected in October 2012. The table below summarizes VOCs detected in groundwater above their detection limits, their respective concentration ranges, the number of detections, and the number of those detections that exceeded the site-specific Remedial Action Objectives (RAOs) or the New York Code of Rules and Regulations (NYCRR), Title 6, Part 702.15(a)(2) and 703.5. Note that in some cases the detection limits for certain VOCs were set above their respective RAO's due to dilution factors (high concentration of target analyte[s]).

**Groundwater Quality Results
October 2012**

VOCs Detected in Groundwater	Concentration Range (µg/L)	Number of Detections	Remedial Action Objective/NYCRR Exceedances
Vinyl chloride	2.1 – 2,000	4	4
Chloroethane	2.4 – 20	4	3
1,1-Dichloroethane	0.49 – 340	4	3
cis-1,2-Dichloroethene	2.8 – 48,000	4	3
1,1-Dichloroethene	1.1 – 390	3	2
Trichloroethene	41,000 – 89,000	2	2
Benzene	1.5	1	1
1,1,1-Trichloroethane	1.1	1	0
Acetone	4	1	0

Nine VOCs were detected in groundwater above their associated detection limit during the monitoring period. Seven of the nine VOCs detected exceeded either the site-specific RAOs for groundwater or the NYCRR criteria. The most prevalent compounds detected in groundwater in October 2012 included vinyl chloride (VC), chloroethane, 1,1-dichloroethane (1,1-DCA), cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-dichloroethene (1,1-DCE) and trichloroethane. 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 October 2012 groundwater monitoring event is provided in **Appendix C**. A complete hard copy of the analytical data report is on file in AECOM's Amherst, New York office, which can be made available to NYSDEC upon request.

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

Historical trend plots for the wells sampled during this quarter for concentrations of TCE, cis-1,2-DCE, VC, 1,1,1-TCA, 1,1-DCA, and chloroethane are provided in **Appendix D**. As stated above,

the VOC concentrations in groundwater continue to show a degradation trend as a result of naturally occurring reductive dechlorination processes and potentially as a result of the chemical oxidation injection pilot test. Additionally, historical concentrations of VOCs in soil vapor and groundwater are also decreasing as a result of extraction and treatment through the combined DPE remediation system. Because TCE is considered the primary source of groundwater contamination at the site, a summary of historical and current TCE concentrations in groundwater for the eight monitoring wells and piezometers sampled in October 2012 is included in **Table 4**. Recall that the DPE component of the combined remediation system was started May 14, 2004, and the chemical oxidation injection pilot test with a first series of injections was performed between July and October 2010, and a second series of injections performed between June and October 2011.

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

Table 4 shows a summary of historical and current TCE concentrations. Based on the October 2012 groundwater data, there was a reduction in TCE concentrations at MW-8R from the previous groundwater sampling event; although there was an increase in MW-8R and MW-13S compared to the baseline groundwater sampling event. Overall, decreases in TCE concentrations observed since the combined DPE groundwater remediation system was installed in May 2004 indicates the system continues to reduce VOC concentrations in overburden groundwater and soil at the site.

Quarterly Combined DPE Remediation System Vapor Effluent Monitoring Activities – October 2012

AECOM personnel collected vapor effluent samples from the combined DPE groundwater remediation system vapor discharge stacks on October 11, 2012. 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 by EPA Method TO-15 (modified TO-14A) by Test America Laboratories, Inc. located in Burlington, Vermont.

Combined DPE Remediation System Effluent Monitoring Results – October 2012

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). Six VOCs were detected in the combined DPE remediation system LRP effluent, and ten VOCs were detected in the AS unit effluent. The total VOCs discharged were 65,090 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in the LRP effluent and 104 $\mu\text{g}/\text{m}^3$ in the AS unit effluent. The calculated VOC discharge-loading rate for the combined DPE remediation system was approximately 0.0136 pounds per hour (lb/hr), which is below the NYSDEC discharge guidance value of 0.5 lb/hr.

Combined DPE Remediation System Operation and Maintenance

During the reporting period, AECOM monitored system performance, conducted routine O&M, and responded to system alarms and periodic breakdowns of the combined DPE remediation system. O&M activities conducted in addition to routine O&M activities during the monitoring period included the following:

- On July 19, 2012, AECOM and subcontractor Matrix Environmental Technologies Inc. (Matrix) serviced the knockout tank pump (replaced drive coupler).
- On August 13, 2012 Matrix serviced the liquid ring pump (resolved a high temperature alarm).
- On August 13, 2012, AECOM and subcontractor Heritage WTI completed a hazardous waste pickup.
- On October 3, 2012, AECOM and Matrix performed the annual O&M event. In addition, the groundwater control trench pump was removed under confined space permit and cleaned.

The combined DPE remediation system was operational throughout the monitoring period with occasional interruptions in July and August. Based on a system operational period from July 6, 2012 (third quarter groundwater sampling event) to October 12, 2012, the total combined DPE system runtime was approximately 73.6 percent. This runtime percentage was derived by dividing the LRP run timer (37,491 hours on October 11, 2012 minus 35,779 hours on July 6, 2012 equals 1,712 hours) by the duration of the monitoring period (2,328 hours). During this operational period, the DPE system collected an estimated 11,516 gallons of groundwater at an average flow rate of 0.08 gallons per minute (gpm). The GWCT collected 74,611 gallons of groundwater at an average flow rate of 0.53 gpm. Therefore, the estimated total volume of groundwater treated and discharged by the AS unit to the local sanitary sewer was 86,127 gallons at a combined average flow rate of 0.62 gpm.

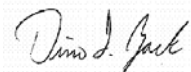
Summary

The combined DPE remediation system (DPE and GWCT) was fully operational during Fourth Quarter 2012 groundwater sampling and monitoring activities that occurred on October 11 and 12, 2012. TCE was not detected above its RAO in site perimeter monitoring wells MW-2, MW-3, MW-6, MW-10, MW-11 and MW-12.

Based on the results of the October 2012 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 Fourth Quarter 2012 were less than the NYSDEC discharge guidance value of 0.5 lb/hr.

The next monitoring event is scheduled for January 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



Dino L. Zack, P.G.
Project Manager
dino.zack@aecom.com

\Enclosures

cc: Deanna Ripstein, NYSDOH – Western Regional Office (Electronic Copy)
Jennifer Davide, AVOX Systems Inc. (Electronic Copy)
Stuart Rixman, Tyco International (Electronic Copy)
Eric Frauen, O&M, Inc. (Electronic Copy)
AECOM Project File (Hard Copy)

TABLES

Table 1

Groundwater Monitoring Schedule - January 2013 through October 2013
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Event Date (Frequency)	Number of Wells/Piezometers Sampled	Wells/Piezometers Sampled			
January 2013 (Quarterly)	8	MW-2 MW-10	MW-3 MW-11	MW-4 MW-12	MW-6 MW-16S
April 2013 (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 2013 (Quarterly)	8	MW-2 MW-10	MW-3 MW-11	MW-6 MW-12	MW-8R MW-13S
October 2013 (Quarterly)	8	MW-2 MW-10	MW-3 MW-11	MW-4 MW-12	MW-6 MW-16S

Notes:

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

Table 2

**Quarterly Groundwater Monitoring Water Level Data - October 11, 2012
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	7.17	683.18
MW-3	687.02	9.77	677.25
MW-4	686.42	18.60	667.82
MW-6	686.53	10.80	675.73
MW-8R	686.21	13.38	672.83
MW-9	688.64	12.66	675.98
MW-10	687.41	10.65	676.76
MW-11	688.65	14.40	674.25
MW-12	686.15	6.75	679.40
Nested Piezometers			
MW-13S	686.60	9.57	677.03
MW-13D	686.73	13.00	673.73
MW-14S	685.70	6.67	679.03
MW-14D	685.82	14.55	671.27
MW-15S	687.52	3.18	684.34
MW-15D	687.62	13.70	673.92
MW-16S	685.84	6.36	679.48
MW-16D	686.01	13.38	672.63

Notes:

TOC - Top of Casing

AMSL - Above Mean Sea Level

NA - Not available

Table 3

Summary of Laboratory Analytical Data for Groundwater - October 2012
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID Date Collected Lab Sample ID	Groundwater RAO/ NYCRR Objectives	MW-2 10/11/12 480-26599-1	MW-3 10/11/12 480-26599-6	MW-6 10/11/12 480-26599-4	MW-8R 10/12/12 480-26599-8
Volatile Organic Compounds by Method 8260 (µg/L)					
1,1,1-Trichloroethane	5	< 1 U	< 1 U	< 1 U	< 800 U
1,1-Dichloroethane	5	< 1 U	6.6	< 1 U	340 J
Acetone	50	4 J	< 1 U	< 1 U	< 800 U
1,1-Dichloroethene	5	< 1 U	< 1 U	< 1 U	390 J
Benzene	1	< 1 U	< 1 U	< 1 U	< 800 U
Chloroethane	5	2.4	9.5	< 1 U	< 800 U
cis-1,2-Dichloroethene	5	< 1 U	2.8	< 1 U	48,000
Trichloroethene	5	< 1 U	< 1 U	< 1 U	89,000
Vinyl chloride	2	< 1 U	44	< 1 U	2,000

Sample ID Date Collected Lab Sample ID	Groundwater RAO/ NYCRR Objectives	MW-10 10/11/12 480-26599-3	MW-11 10/11/12 480-26599-2	MW-12 10/11/12 480-26599-5	MW-13S 10/12/12 480-26599-7
Volatile Organic Compounds by Method 8260 (µg/L)					
1,1,1-Trichloroethane	5	< 1 U	1.1	< 1 U	< 800 U
1,1-Dichloroethane	5	< 1 U	9.3	0.49 J	< 800 U
Acetone	50	< 1 U	< 1 U	< 1 U	< 800 U
1,1-Dichloroethene	5	< 1 U	1.1	< 1 U	240 J
Benzene	1	< 1 U	< 1 U	1.5	< 800 U
Chloroethane	5	< 1 U	6.6	20	< 800 U
cis-1,2-Dichloroethene	5	< 1 U	36	< 1 U	24,000
Trichloroethene	5	< 1 U	< 1 U	< 1 U	41,000
Vinyl chloride	2	< 1 U	16	2.1	< 800 U

Notes:

µg/L - micrograms per liter

RAO - Remedial Action Objective

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

Bold font indicates the analyte was detected

Bold outline indicates the screening criteria was exceeded

U - Indicates compound below associated detection level

J - Indicates an estimated value

Table 4

**Summary of Historical and Current Trichloroethene Concentrations
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
MW-2	<1	NA	NA	NA	<10	NA	NA	<25	<25	<25	<5	<5	<20	<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
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
MW-6	<1	NA	<10	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	0.63	<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
MW-10	<1	NA	NA	NA	<10	NA	NA	<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
MW-12	NA	NA	13	<10	<10	<5	<5	<25	<25	<25	NA	<5	<20	<5	<5	<5	<5	<5	<5
MW-13S	NA	10,000	2,100	10,000	760	870	410	NA	NA	17,000	1,300	1,700	4,400	220	570	1,800	580	1,800	5,800
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

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
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
	Jan 2009 ⁴	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			
MW-2	<5	<5	<5	<5	<25	<25	<25	350 ⁶	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND	
MW-3	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND	
MW-4	19,000	4,100	2,300	NS	7,400	3,000	NS	7,800	NS	13,000	NS	17,000	NS	39,000	15,000	NS	NS	NS	
MW-6	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND	
MW-8R	8,400	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	10%	increase	
MW-10	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND	
MW- 11	0.77	0.95	0.69	0.97	0.77	0.95	1	0.8	NS	1.2	<1	<1	<1	0.51	<1	<1	ND	ND	
MW-12	NA	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND	
MW-13S	3,400	3,400	NS	400	NS	1,400	400	NS	39,000	40,000	31,000	NS	53,000	39,000	NS	41,000	increase	increase	
MW-16S	92,000	130,000	87,000	NS	22,000	220,000	NS	300,000	NS	250,000	NS	190,000	NS	250,000	170,000	NS	NS	NS	

Notes:

NA - Not Analyzed

ND - Not Detected

NS - Not Sampled

DPE Remediation System started on May 14, 2004.

¹ - Considered baseline sampling event for MW-2, MW-3, MW-6, and MW-10.² - Considered baseline sampling event for MW-13S and MW-16S.³ - Considered baseline sampling event for MW-4, MW-8R, and MW-12.⁴ - DPE system operational.⁵ - Considered baseline sampling event for MW-11 (TCE = 10 µg/L).⁶ - TCE concentration appears to be an anomaly; sample was re-analyzed at 330 µg/L.⁷ - DPE system off-line.

Table 5

Vapor Monitoring Results - October 2012
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

	Sample ID: Sample Date:	LRP Effluent 10/11/2012	AS Effluent 10/11/2012
<u>VOCs by Method TO-15 ($\mu\text{g}/\text{m}^3$)</u>			
Vinyl chloride		1,400	0.68
Dichlorodifluoromethane		U	2.7
Chloromethane		U	1.3
Trichlorofluoromethane		U	1.4
Xylene (total)		U	1
n-Hexane		U	0.98
1,1-Dichloroethane		980	1.6
1,1-Dichloroethene		290	U
cis-1,2-Dichloroethene		26,000	60
Trichloroethene		36,000	33
Toluene		U	1.5
1,1,1-Trichloroethane		710	U
Total Detected VOCs ($\mu\text{g}/\text{m}^3$)		65,090	104
Vacuum (inches Hg)*		24	0.26
Air Flow Rate (acfm)*		55	193
VOC discharge loading (lb/hr)		0.0135	0.0001
Total VOC discharge loading (lb/hr)		0.0136	

Notes:

* The LRP flow rate used for the calculation was recorded during the sampling activity (54 scfm, 24 in. Hg) on October 11, 2012.

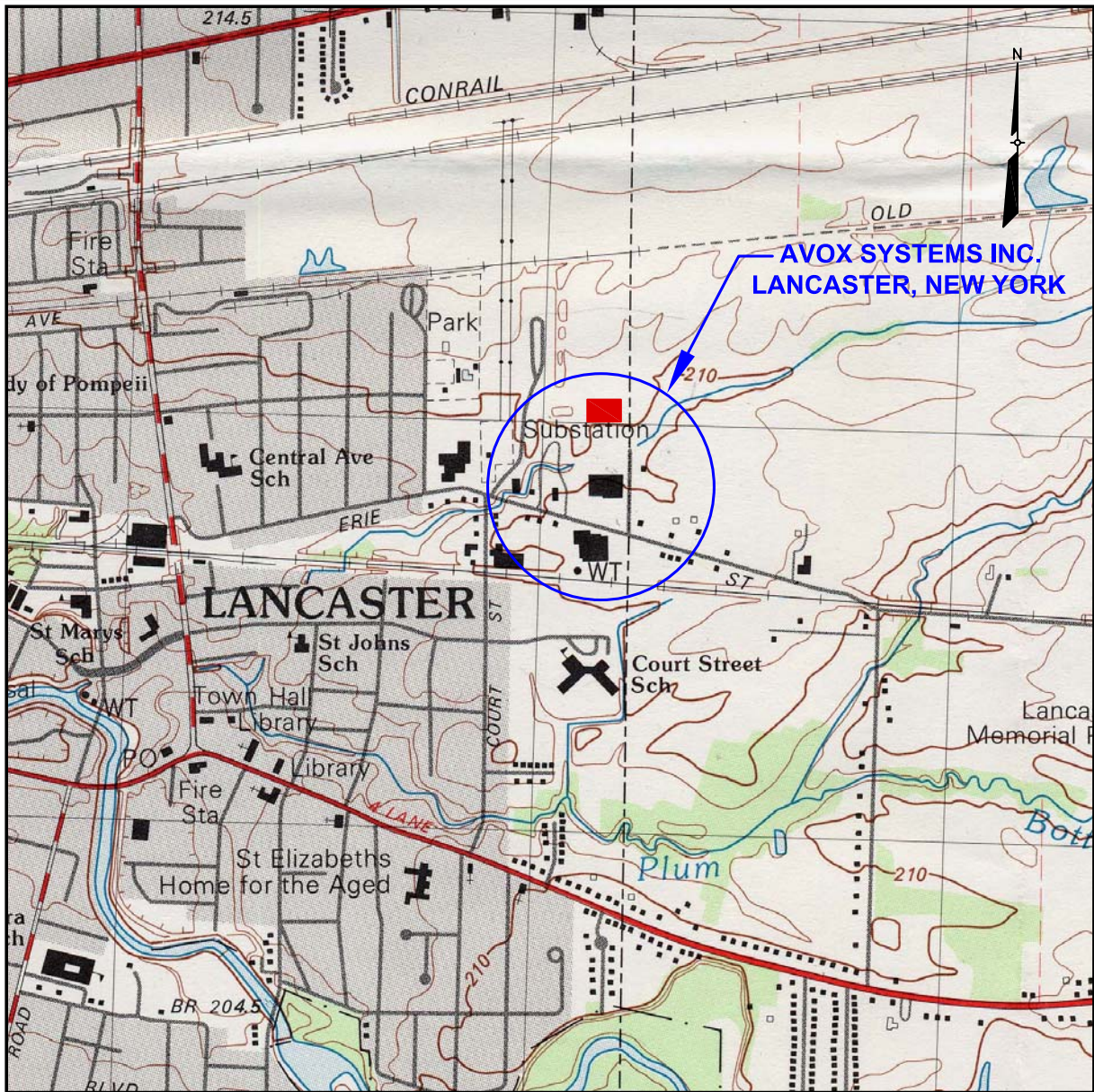
* The air stripper vacuum measured on that day was 3.5 inches H₂O and the flow rate was 190 scfm on October 11, 2012.

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 concentration **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

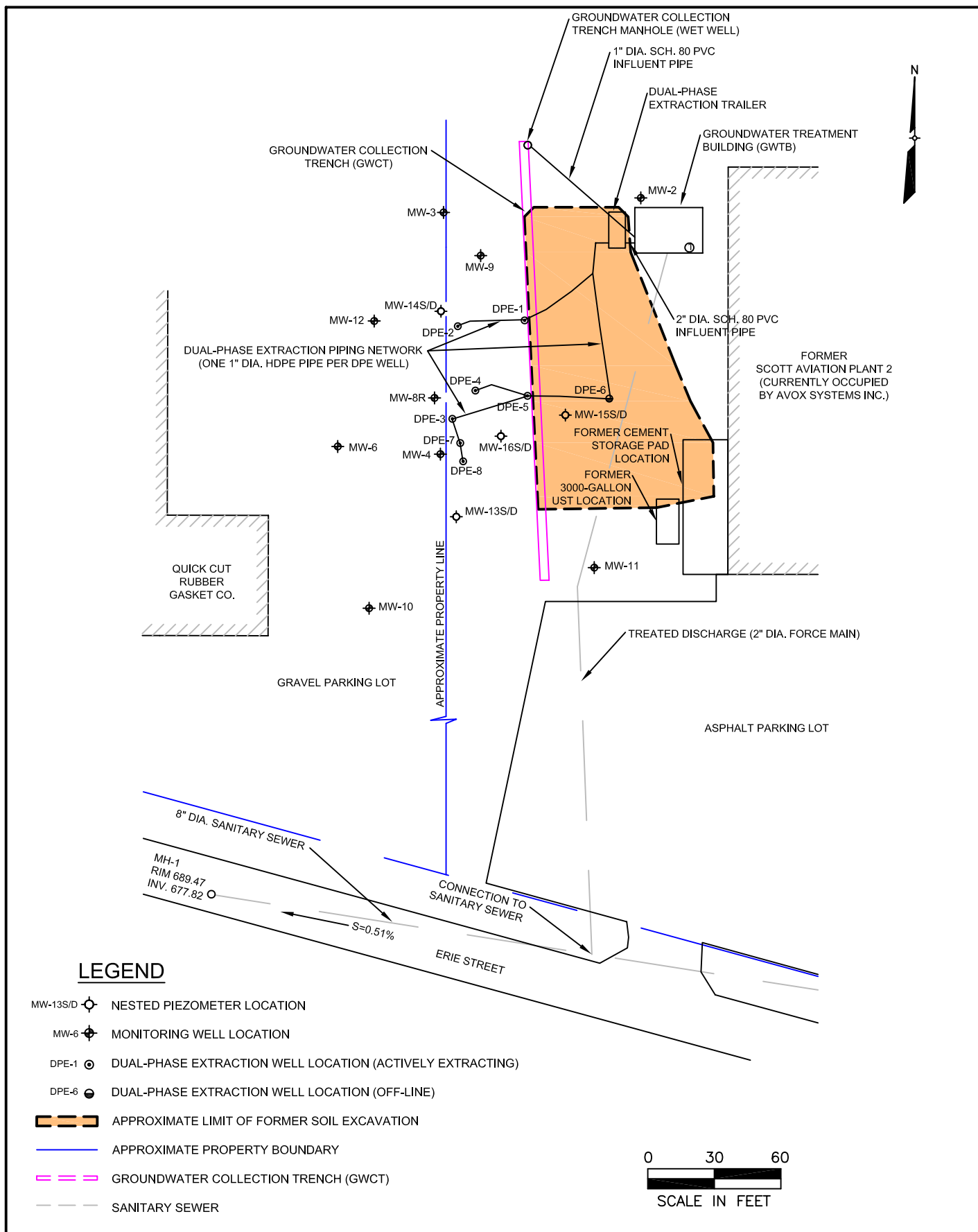
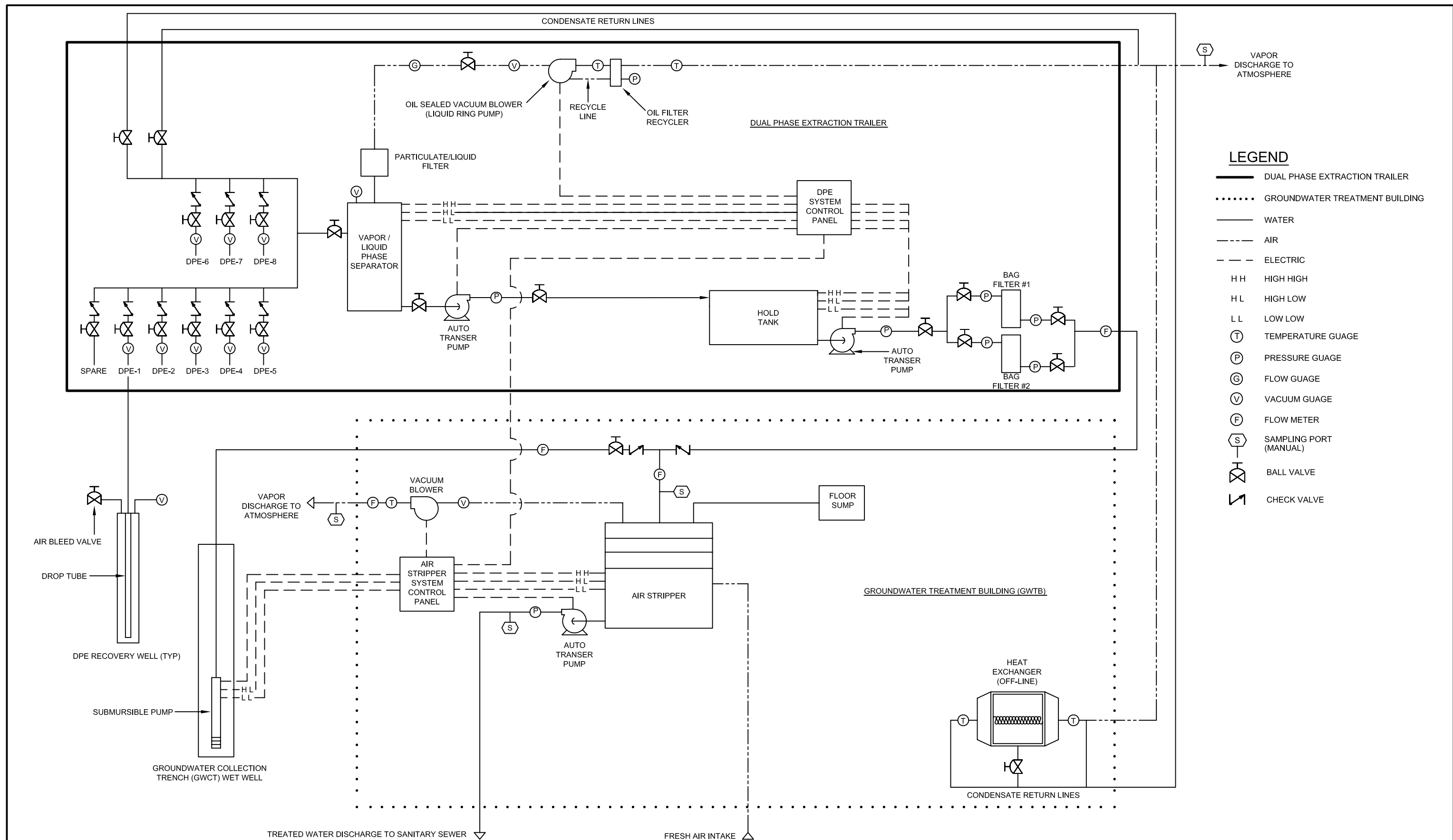


FIGURE 2
SITE FEATURES MAP

FORMER SCOTT AVIATION FACILITY
 LANCASTER, NEW YORK



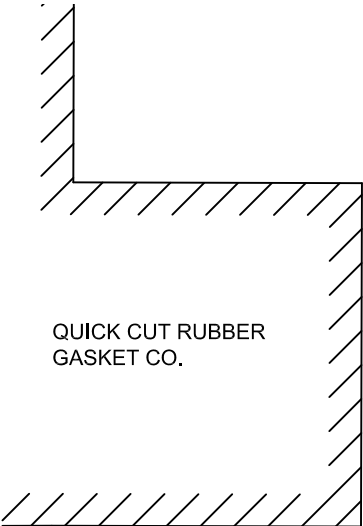
AECOM

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

Quarterly Groundwater Monitoring Water Level Data - October 11, 2012
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

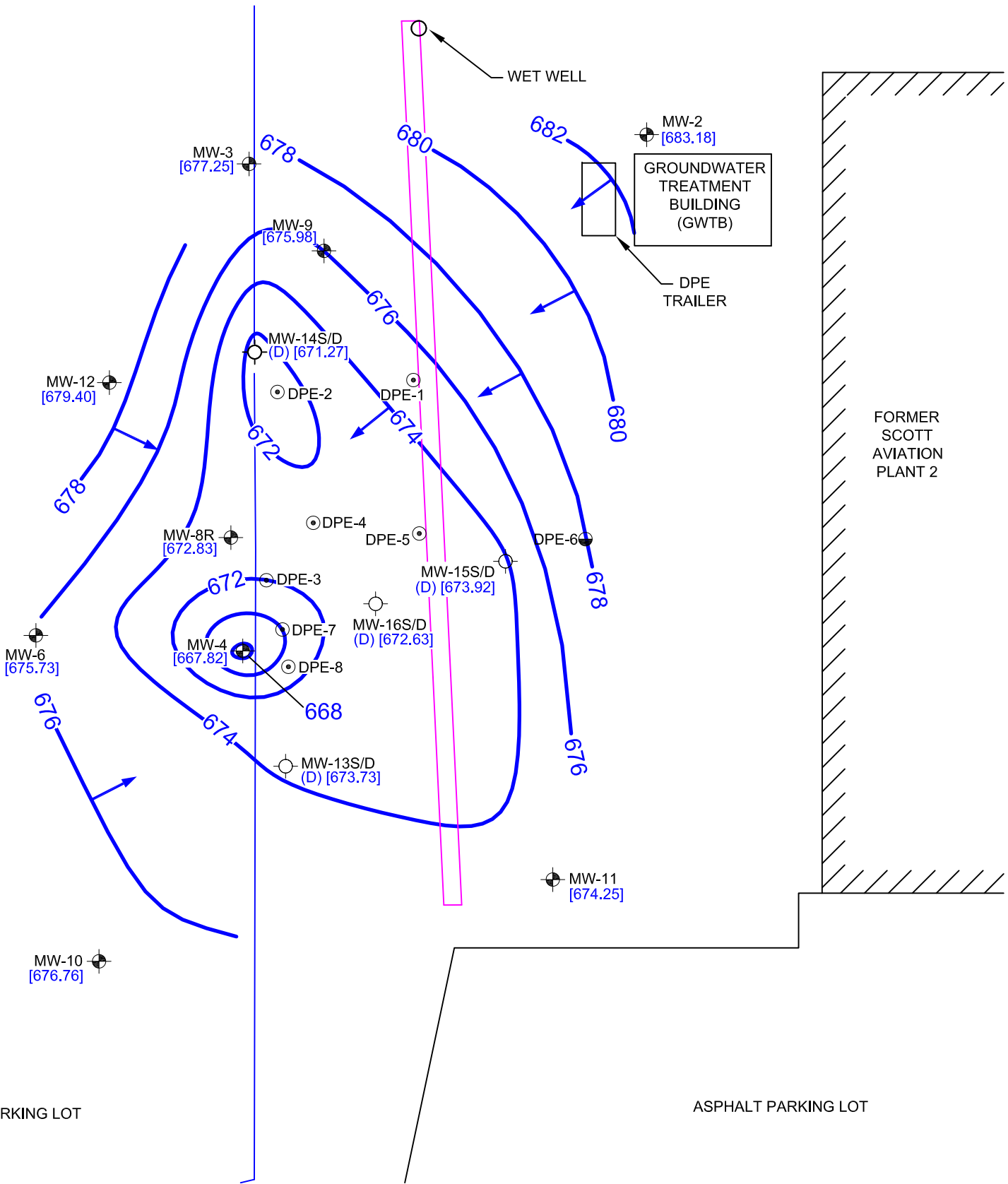
Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	690.35	7.17	683.18
MW-3	687.02	9.77	677.25
MW-4	686.42	18.60	667.82
MW-6	686.53	10.80	675.73
MW-8R	686.21	13.38	672.83
MW-9	688.64	12.66	675.98
MW-10	687.41	10.65	676.76
MW-11	688.65	14.40	674.25
MW-12	686.15	6.75	679.40
Nested Piezometers			
MW-13S	686.60	9.57	677.03
MW-13D	686.73	13.00	673.73
MW-14S	685.70	6.67	679.03
MW-14D	685.82	14.55	671.27
MW-15S	687.52	3.18	684.34
MW-15D	687.62	13.70	673.92
MW-16S	685.84	6.36	679.48
MW-16D	686.01	13.38	672.63

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



QUICK CUT RUBBER GASKET CO.

GRAVEL PARKING LOT

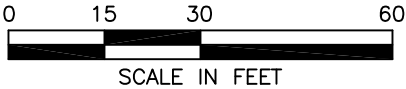


LEGEND

- 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)
- [677.25] GROUNDWATER SURFACE ELEVATION IN FEET MSL
- 680 ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET MSL
- GROUND WATER FLOW DIRECTION
- (D) DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY

NOTES

- GROUNDWATER ELEVATIONS FROM THE DEEP PIEZOMETER PAIR LOCATIONS (i.e. MW-13D, MW-14D, MW-15D, MW-16D) WERE USED TO CREATE THE GROUNDWATER SURFACE CONTOURS.
- GROUNDWATER WATER LEVELS WERE COLLECTED ON OCTOBER 11, 2012.



SCALE IN FEET



FIGURE 4
GROUNDWATER SURFACE CONTOUR MAP
OCTOBER 2012
DEEP OVERBURDEN GROUNDWATER LEVELS
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



APPENDIX A

Field Forms

Date (mo/day/yr)	10/11/2012	
Field Personnel	D. Zack	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60242861	
Well ID #	MW-2	
	☒ X Upgradient	☐ Downgradient
Weather Conditions	sun and clouds	
Air Temperature	40	° F
Total Depth (TWD) Below Top of Casing =	17	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	7.17	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	9.8	1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	= 1.6 gal
3 Casing Volumes =		gal
Method of Well Evacuation =	Peristaltic Pump	
Method of Sample Collection =	EPA Low Flow	
Total Volume of Water Removed		liter

Casing Diameter	2	inches
Casing Material	PVC	
Measuring Point Elevation	690.35	1/100 ft
Height of Riser (above land surface)	3.35	1/100 ft
Land Surface Elevation	687	1/100 ft
Screened Interval (below land surface)	7-17	1/100 ft

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)

Time (Military)

Depth to Groundwater
Below Top of Casing (ft)

Drawdown (ft)

pH (S.U.)

Sp. Cond. (mS/cm)

Turbidity (NTUs)

Dissolved Oxygen (mg/L)

Water Temperature (°C)

ORP (mV)

150	100	100	100	100	100		
10:00	10:05	10:10	10:15	10:20	10:25		
7.3	8.2	8.42	8.59	8.8	8.99		
-0.13	-0.9	-0.22	-0.17	-0.21	-0.19		
6.65	6.68	6.7	6.71	6.71	6.7		
1.74	1.75	1.74	1.73	1.72	1.7		
45.2	7.9	6.1	5.11	4.09	5.31		
1.17	1.09	1.02	0.98	0.97	0.98		
14.6	14.7	14.7	14.7	14.7	15		
-98	-97.9	-97.7	-82.3	-74	-76		

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

COMMENTS/OBSERVATIONS Start purging at 09:55. Set tubing at center of well screen. Samples collected at 10:30.

[illegible]

Flow Rate (ml/min)	150	100	100	150	150	150		
Time (Military)	14:00	14:05	14:10	14:15	14:20	14:25		
Depth to Groundwater Below Top of Casing (ft)	10.4	11.7	12.15	12.9	13.1	13.32		
Drawdown (ft)	-0.65	-1.3	-0.45	-0.75	-0.2	-0.22		
pH (S.U.)	7.15	7.14	7.15	7.16	7.16	7.16		
Sp. Cond. (mS/cm)	1.04	1.04	1.03	1.02	1.02	1.03		
Turbidity (NTUs)	7.8	1.4	1.23	0.76	0.23	0.2		
Dissolved Oxygen (mg/L)	0.57	0.2	0.19	0.18	0.19	0.2		
Water Temperature (°C)	13.3	13.1	13.3	13.5	13.5	13.5		
ORP (mV)	-77.1	-87.4	-91.4	-95.2	-97.9	-98.1		

Sheen/Free Product	no

COMMENTS/OBSERVATIONS Start purging at 13:55. Set tubing at center of well screen. Samples collected at 14:30.

Date (mo/day/yr)	10/11/2012	
Field Personnel	D. Zack	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60242861	
Well ID #	MW-6	
	Upgradient	Downgradient
Weather Conditions	sunny	
Air Temperature	45	° F
Total Depth (TWD) Below Top of Casing =	24.5	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	10.71	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	13.8	1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	= 2.2 gal
3 Casing Volumes =		gal
Method of Well Evacuation =	Peristaltic Pump	
Method of Sample Collection =	EPA Low Flow	
Total Volume of Water Removed		liter

Casing Diameter	2	inches
Casing Material	PVC	
Measuring Point Elevation	687.02	1/100 ft
Height of Riser (above land surface)	1.42	1/100 ft
Land Surface Elevation	685.6	1/100 ft
Screened Interval (below land surface)	14.5 - 24.5	1/100 ft

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)	150	150	100	100	100			
Time (Military)	12:00	12:05	12:10	12:15	12:20			
Depth to Groundwater Below Top of Casing (ft)	11.7	12.3	12.55	12.67	12.85			
Drawdown (ft)	-0.99	-0.6	-0.25	-0.12	-0.18			
pH (S.U.)	7.53	7.53	7.52	7.51	7.5			
Sp. Cond. (mS/cm)	0.82	0.76	0.84	0.91	0.96			
Turbidity (NTUs)	10.25	7.8	7.6	6.99	6.83			
Dissolved Oxygen (mg/L)	0.9	1.94	6.88	6.02	5.41			
Water Temperature (°C)	15.9	15.7	15.5	14.6	14.7			
ORP (mV)	18.3	20.5	13.9	7.9	2.6			

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

COMMENTS/OBSERVATIONS	<u>Start purging at 11:45. Set tubing at center of well screen. Lower tubing at 12:10. Samples collected at 12:25.</u>

[illegible]

Flow Rate (ml/min)	150	150	100	100	100	100		
Time (Military)	8:00	8:05	8:10	8:15	8:20	8:25		
Depth to Groundwater Below Top of Casing (ft)	14.12	14.71	15.15	15.48	15.75	15.98		
Drawdown (ft)	-0.82	-0.59	-0.44	-0.33	-0.27	-0.23		
pH (S.U.)	6.91	6.91	6.91	6.94	6.92	6.93		
Sp. Cond. (mS/cm)	2.19	2.18	2.15	2.14	2.1	2.12		
Turbidity (NTUs)	7.47	6.87	5.54	12.41	10.8	8.98		
Dissolved Oxygen (mg/L)	0.21	0.16	0.16	0.16	0.16	0.16		
Water Temperature (°C)	13.3	13.4	13.5	13.6	14.1	14.3		
ORP (mV)	-135.8	-135.1	-133.5	-133.4	-133.1	-133		

Sheen/Free Product	sheen

COMMENTS/OBSERVATIONS Start purging at 7:55. Set tubing at center of well screen. Samples collected at 8:30.

Date (mo/day/yr)	10/11/2012		
Field Personnel	D. Zack		
Site Name	Former Scott Aviation Site - Lancaster, NY		
Job #	60242861		
Well ID #	MW-10		
	Upgradient	X	Downgradient
Weather Conditions	sunny		
Air Temperature	45 ° F		
Total Depth (TWD) Below Top of Casing =	24		1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	10.8		1/100 ft
Length of Water Column (LWC) = TWD - DGW =	13.2		1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	=	2.2 gal
3 Casing Volumes =			gal
Method of Well Evacuation =	Peristaltic Pump		
Method of Sample Collection =	EPA Low Flow		
Total Volume of Water Removed	liter		

Casing Diameter	2	inches
Casing Material	PVC	
Measuring Point Elevation	687.41	1/100 ft
Height of Riser (above land surface)	-0.19	1/100 ft
Land Surface Elevation	687.6	1/100 ft
Screened Interval (below land surface)	3.5 - 23.5	1/100 ft

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100	100		
Time (Military)	11:20	11:25	11:30	11:35	11:40	11:45		
Depth to Groundwater Below Top of Casing (ft)	11.5	11.89	12.12	12.35	12.51	12.65		
Drawdown (ft)	-0.7	-0.39	-0.23	-0.23	-0.16	-0.14		
pH (S.U.)	6.82	6.81	6.87	6.8	6.8	6.8		
Sp. Cond. (mS/cm)	1.92	1.92	1.92	1.96	1.97	1.97		
Turbidity (NTUs)	15.01	13.7	19.66	11.7	10.9	12.7		
Dissolved Oxygen (mg/L)	0.19	0.17	0.18	0.22	0.26	0.39		
Water Temperature (°C)	15.8	15.7	15.8	15.4	15.5	15.5		
ORP (mV)	27.3	28.2	27.9	34.5	39.9	42.56		
Physical appearance at start		Color	<u>clear</u>	Physical appearance at sampling		Color	<u>clear</u>	
		Odor	<u>no</u>			Odor	<u>no</u>	
Sheen/Free Product		no		Sheen/Free Product		no		

COMMENTS/OBSERVATIONS Start purging at 11:15. Set tubing at center of well screen. Samples collected at 11:50.

Date (mo/day/yr)	10/11/2012	
Field Personnel	D. Zack	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60242861	
Well ID #	MW-11	
	☒ Upgradient	☐ Downgradient
Weather Conditions	sunny	
Air Temperature	40	° F
Total Depth (TWD) Below Top of Casing =	28.5	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	13.55	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	15.0	1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	= 2.4 gal
3 Casing Volumes =		
Method of Well Evacuation =	Peristaltic Pump	
Method of Sample Collection =	EPA Low Flow	
Total Volume of Water Removed	liter	

Casing Diameter	2	inches
Casing Material	PVC	
Measuring Point Elevation	688.65	1/100 ft
Height of Riser (above land surface)	-0.25	1/100 ft
Land Surface Elevation	688.9	1/100 ft
Screened Interval (below land surface)	8.5 - 28.5	1/100 ft

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)	150	100	100	100	100			
Time (Military)	10:40	10:45	10:50	10:55	11:00			
Depth to Groundwater Below Top of Casing (ft)	13.8	14.28	14.32	14.42	14.49			
Drawdown (ft)	-0.25	-0.48	-0.04	-0.1	-0.07			
pH (S.U.)	6.74	6.7	6.72	6.75	6.74			
Sp. Cond. (mS/cm)	2.99	3.25	3.23	3.12	3.12			
Turbidity (NTUs)	1.95	1.65	0.36	0.37	0.32			
Dissolved Oxygen (mg/L)	0.36	0.14	0.14	0.13	0.14			
Water Temperature (°C)	13.8	14.2	14.3	14.2	14			
ORP (mV)	-42	-69.2	-72.7	-82.7	-85.1			

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

COMMENTS/OBSERVATIONS	<u>Start purging at 10:35. Set tubing at center of well screen. Samples collected at 11:05.</u>

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/11/2012

Field Personnel D. Zack

Site Name **Former Scott Aviation Site - Lancaster, NY**

Job # 60242861

Well ID # MW-12

Upgradient X Downgradient

Weather Conditions	cloudy

Air Temperature 50 ° F

Total Depth (TWD) Below Top of Casing = 27 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 6.7 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 20.3 1/100 ft

$$1 \text{ Casing Volume (OCV)} = \text{LWC} \times 0.163 = 3.3 \text{ gal}$$

3 Casing Volumes = _____ gal

Method of Well Evacuation = Peristaltic Pump

Method of Sample Collection = EPA Low Flow

Total Volume of Water Removed liter

Casing Diameter 2 inches

Casing Material	PVC

Measuring Point Elevation	686.15	1/100 ft

Height of Riser (above land surface)	-0.35	1/100 ft

Land Surface Elevation	686.5	1/100 ft

Screened Interval (below land surface)	7 - 27	1/100 ft

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)

Time (Military)

Depth to Groundwater
Below Top of Casing (ft)

Drawdown (ft)

pH (S.U.)

Sp. Cond. (mS/cm)

Turbidity (NTUs)

Dissolved Oxygen (mg/L)

Water Temperature (°C)

ORP (mV)

100	100	100	100	100	100		
13:20	13:25	13:30	13:35	13:40	13:45		
6.95	7.75	8.38	8.65	8.82	8.89		
-0.25	-0.8	-0.63	-0.27	-0.17	-0.07		
6.69	6.72	6.71	6.72	6.73	6.73		
1.6	1.6	1.6	1.6	1.6	1.6		
7.59	4.32	2.29	2.34	1.62	1.23		
0.62	0.28	0.27	0.33	0.29	0.31		
14.9	14.9	15.1	15.3	15.2	15.1		
-130.5	-149.1	-143.8	-142.1	-141.3	-139.5		

Physical appearance at start	Color	clear

Odor no

Sheen/Free Product	no

Physical appearance at sampling	Color	clear

Odor no

Sheen/Free Product	no

COMMENTS/OBSERVATIONS	Start purging at 13:15. Set tubing at center of well screen. Samples collected at 13:50.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	10/12/2012	
Field Personnel	D. Zack	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60242861	
Well ID #	MW-13S	
	Upgradient	Downgradient
Weather Conditions	rain	
Air Temperature	40	° F
Total Depth (TWD) Below Top of Casing =	18	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =		1/100 ft
Length of Water Column (LWC) = TWD - DGW =	18.0	1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	= 2.9 gal
3 Casing Volumes =		gal
Method of Well Evacuation =	Peristaltic Pump	
Method of Sample Collection =	EPA Low Flow	
Total Volume of Water Removed		liter

Casing Diameter	1	inches
Casing Material	PVC	
Measuring Point Elevation	686.6	1/100 ft
Height of Riser (above land surface)	-0.30	1/100 ft
Land Surface Elevation	686.9	1/100 ft
Screened Interval (below land surface)	12 - 18	1/100 ft

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100	100		
Time (Military)	9:30	9:35	9:40	9:45	9:50	9:55		
Depth to Groundwater Below Top of Casing (ft)	-	-	-	-	-	-		
Drawdown (ft)	-	-	-	-	-	-		
pH (S.U.)	7.07	6.98	6.96	6.93	6.93	6.93		
Sp. Cond. (mS/cm)	1.63	1.64	1.67	1.67	1.68	1.68		
Turbidity (NTUs)	58.5	48.7	19.5	10.2	9.5	8.5		
Dissolved Oxygen (mg/L)	1.21	2.54	3.16	3.3	3.34	3.3		
Water Temperature (°C)	15.2	15.3	15.2	15.1	15.1	15.2		
ORP (mV)	-11.7	9.1	21.6	23.9	22.6	19.9		

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

COMMENTS/OBSERVATIONS	Start purging at 09:25. Set tubing at center of well screen. Samples collected at 10:00. Well diameter too narrow of water level probe.



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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

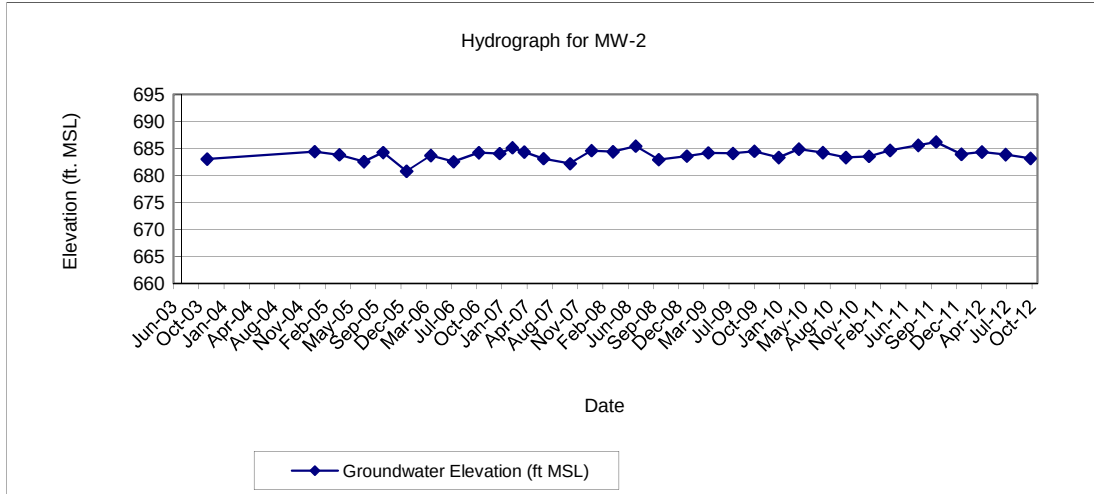
TOC Elevation - 690.35

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

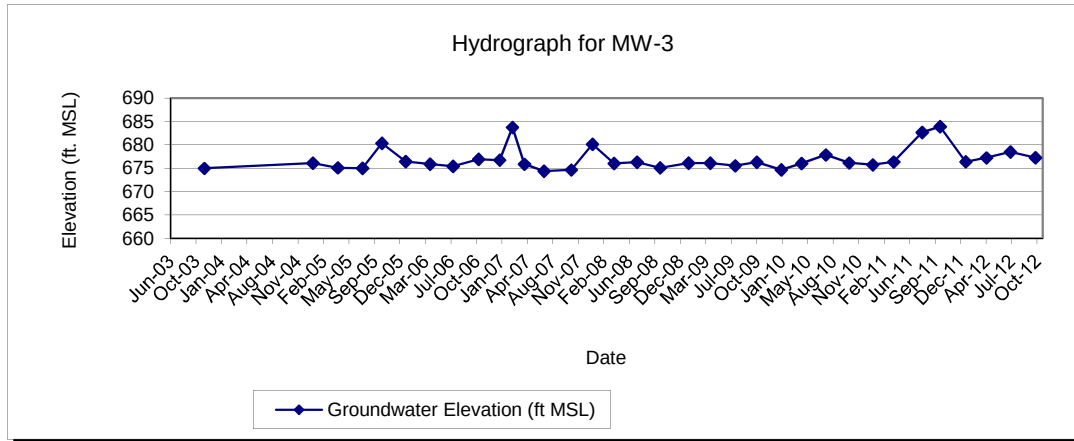
TOC Elevation - 687.72

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

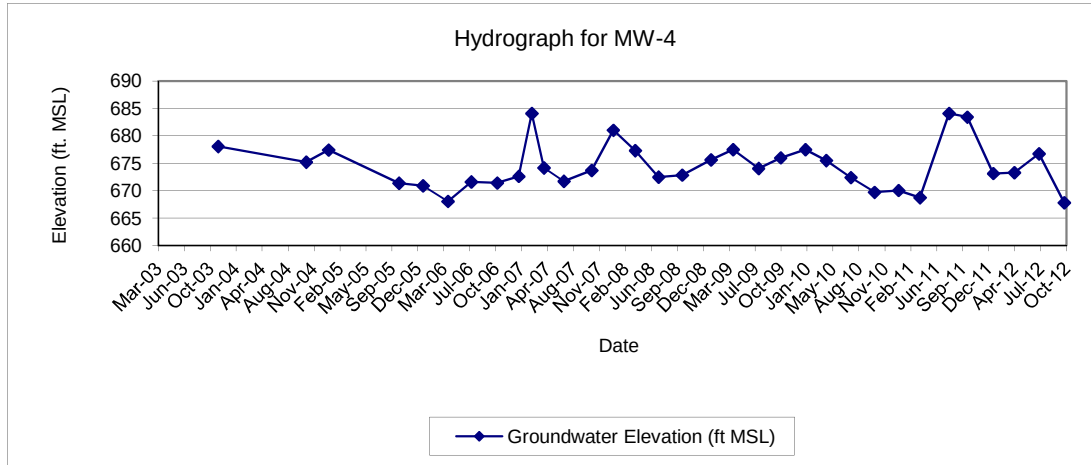
TOC Elevation - 686.64

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 686.42

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



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

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

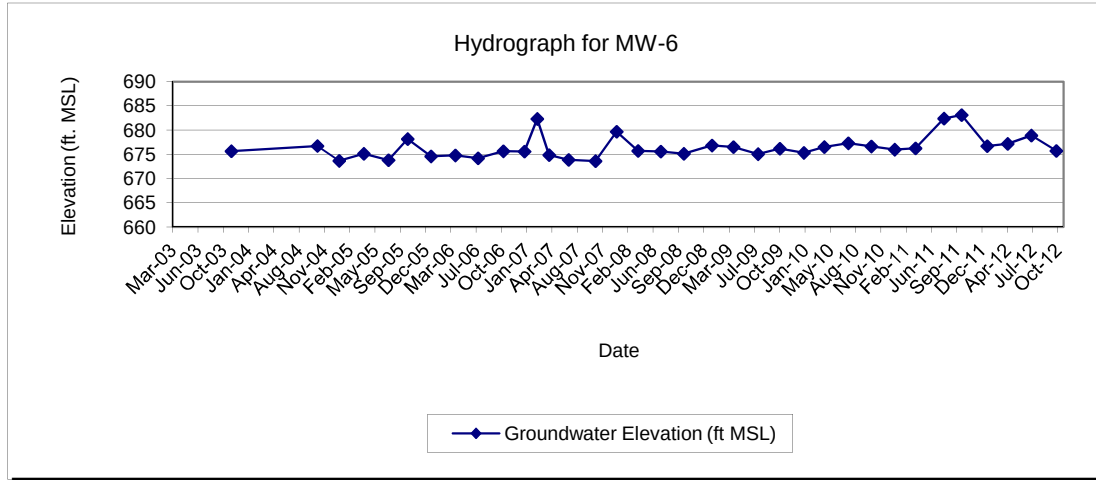
TOC Elevation - 686.68

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

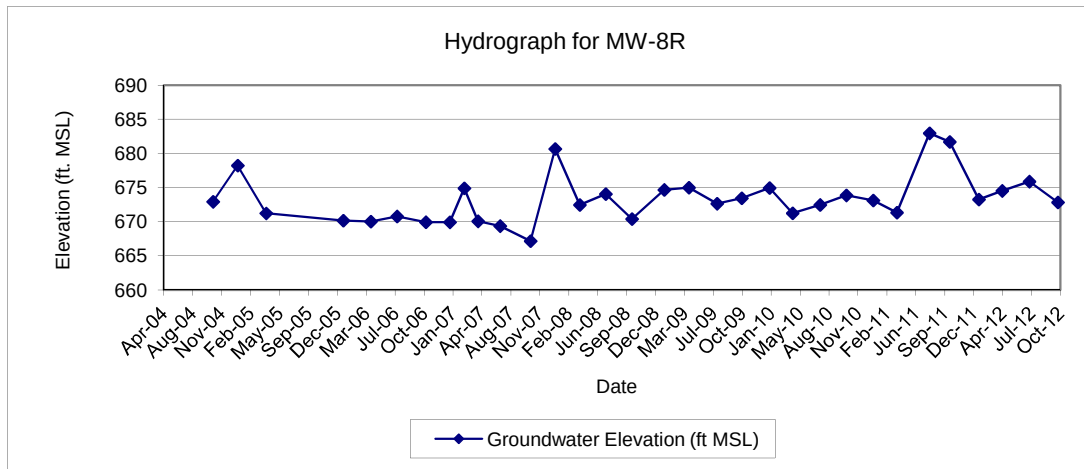
TOC Elevation - 685.67

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

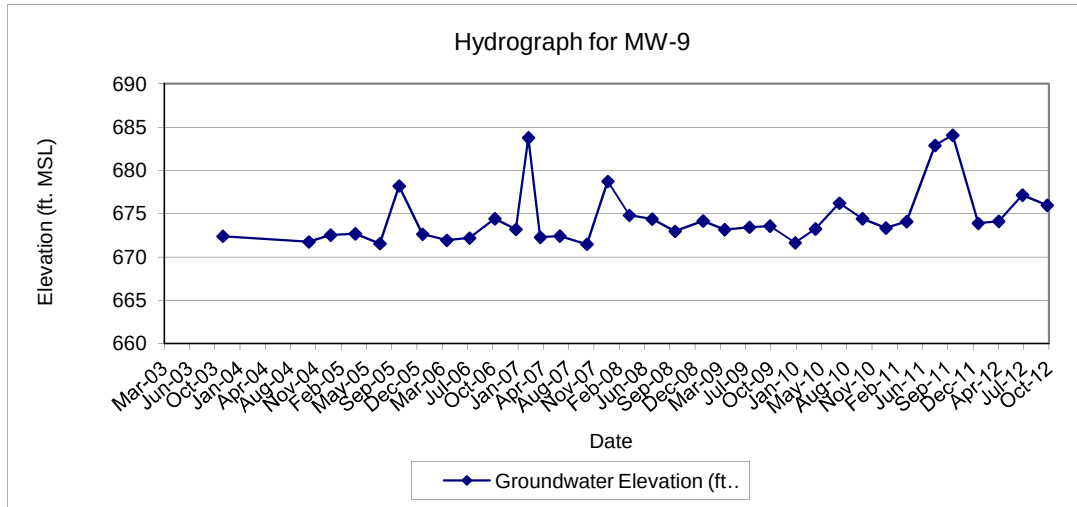
TOC Elevation - 685.43

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

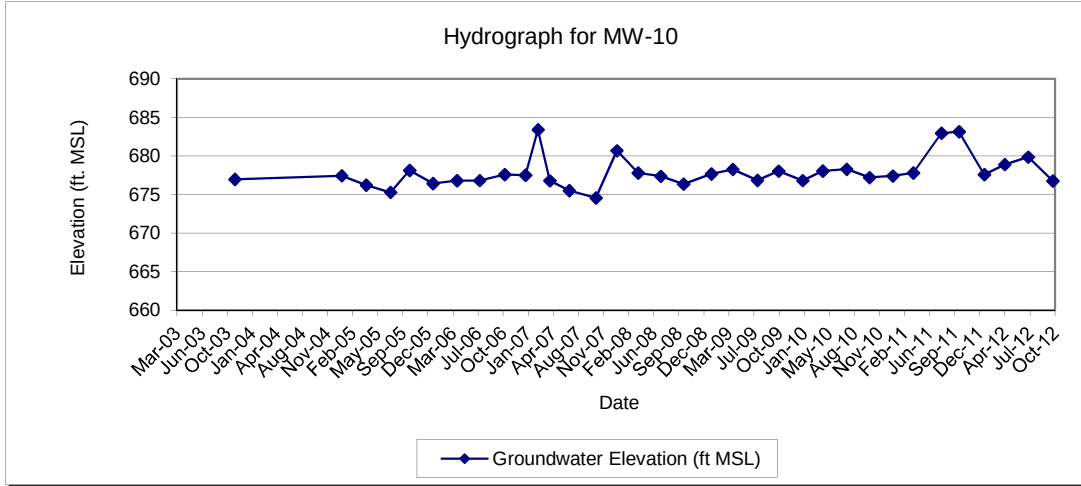
TOC Elevation - 687.72

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	FALSE
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	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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

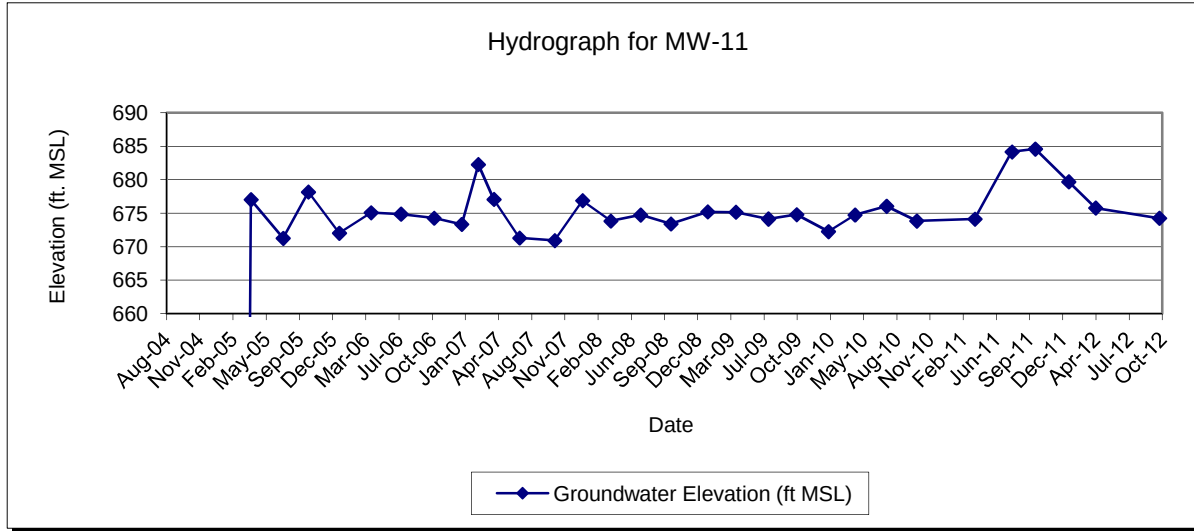
TOC Elevation - 688.61

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.79

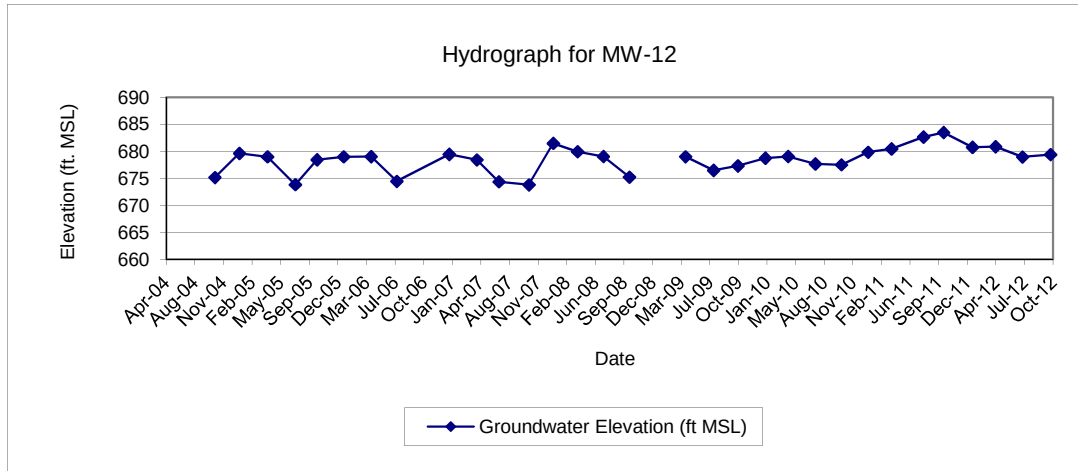
NM* - Well could not be located due to snow cover

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

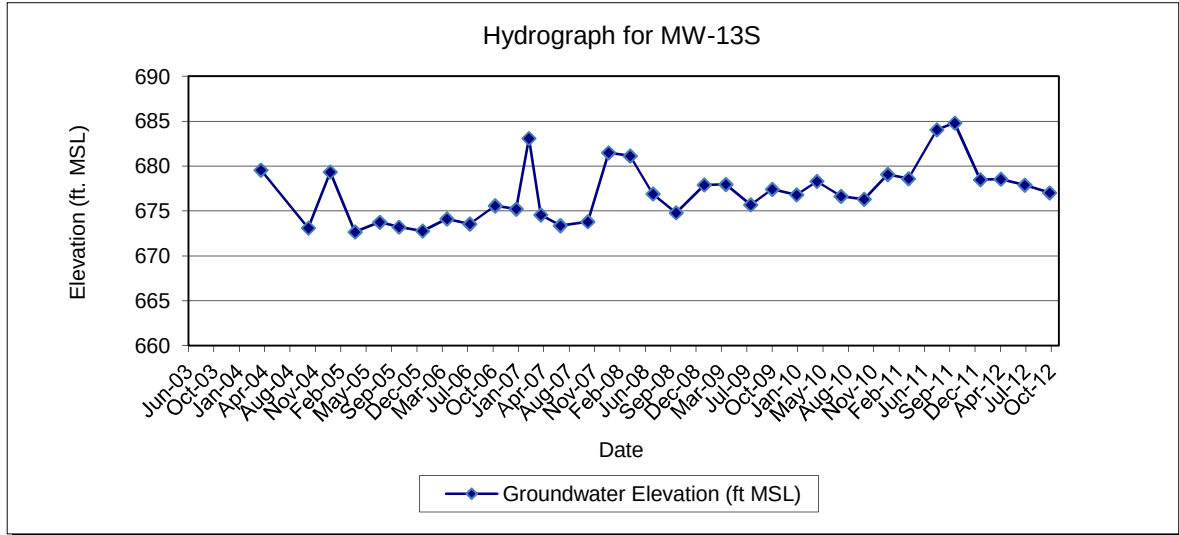
TOC Elevation - 686.57

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

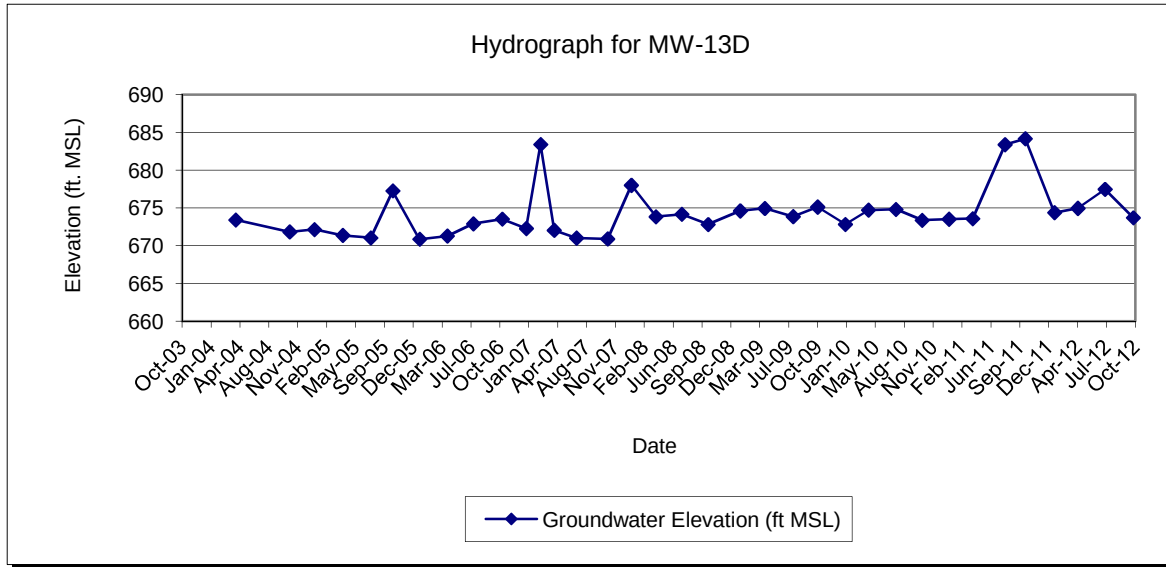
TOC Elevation - 686.71

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

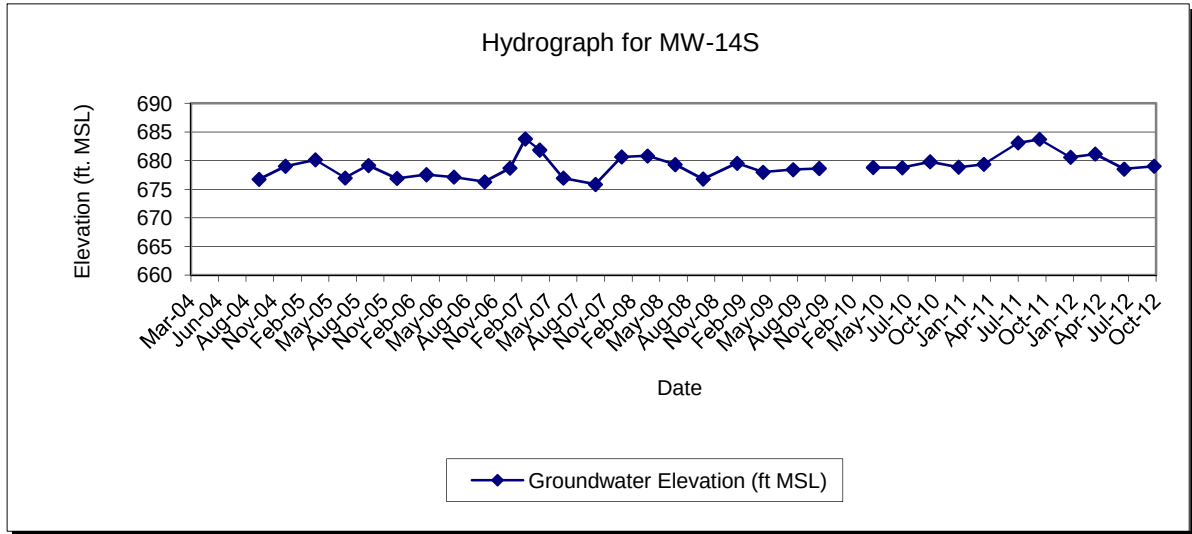
TOC Elevation - 685.31

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

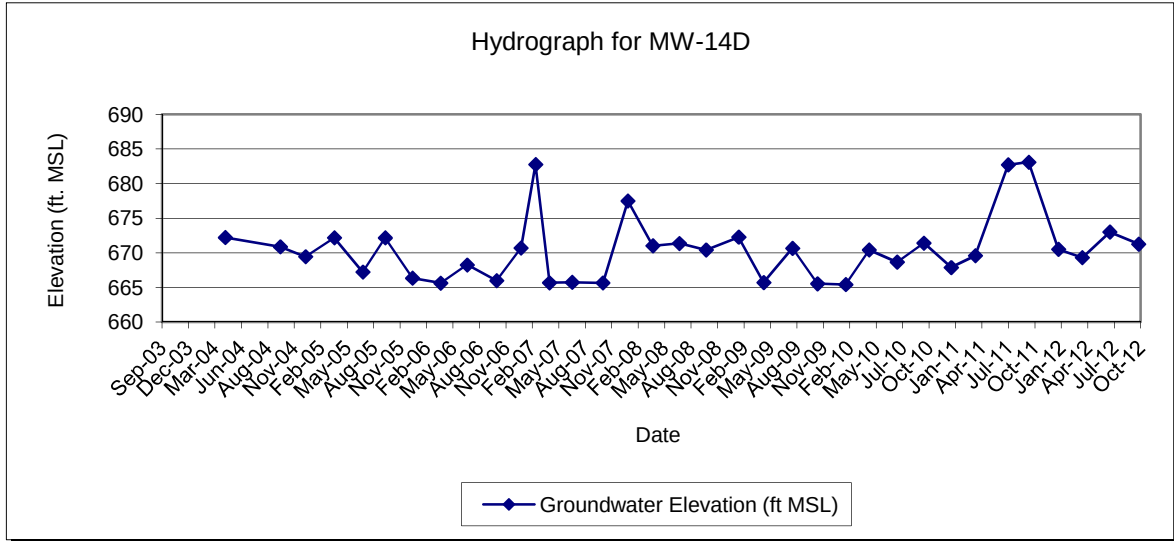
TOC Elevation - 685.43

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

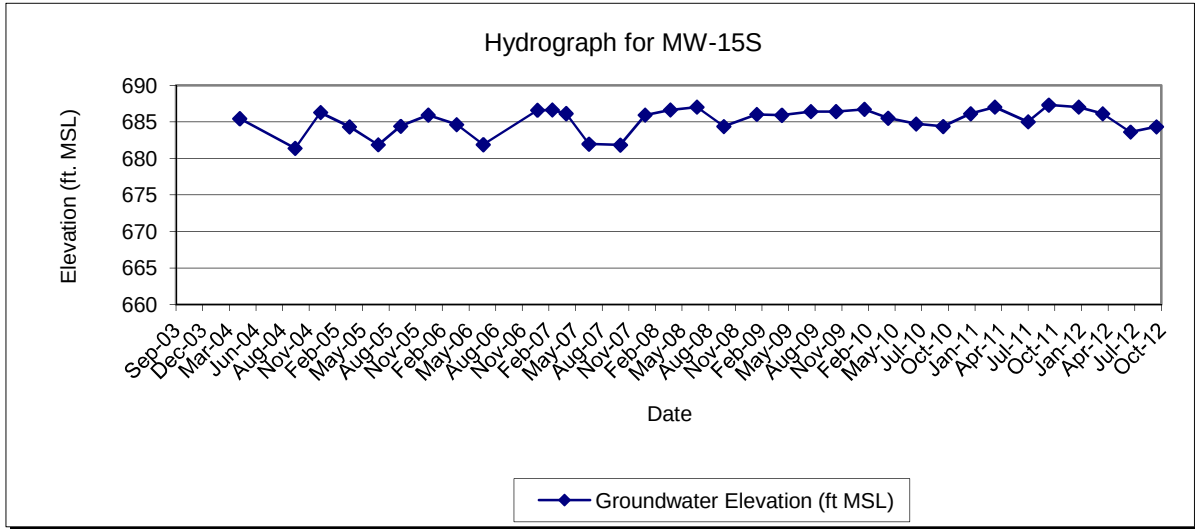
TOC Elevation - 686.64'

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

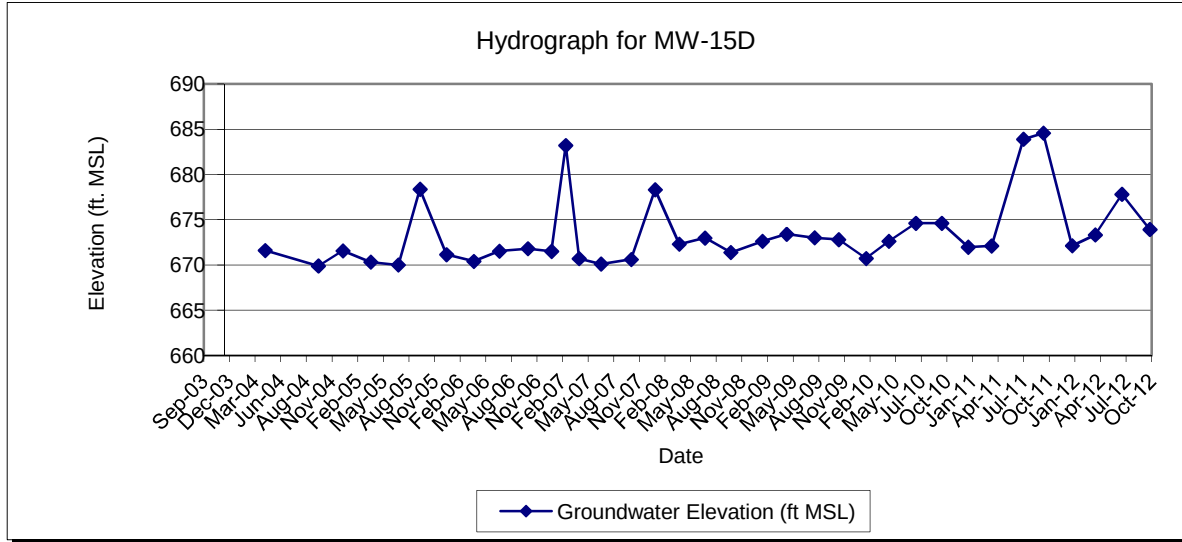
TOC Elevation - 687.31'

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	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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.84'

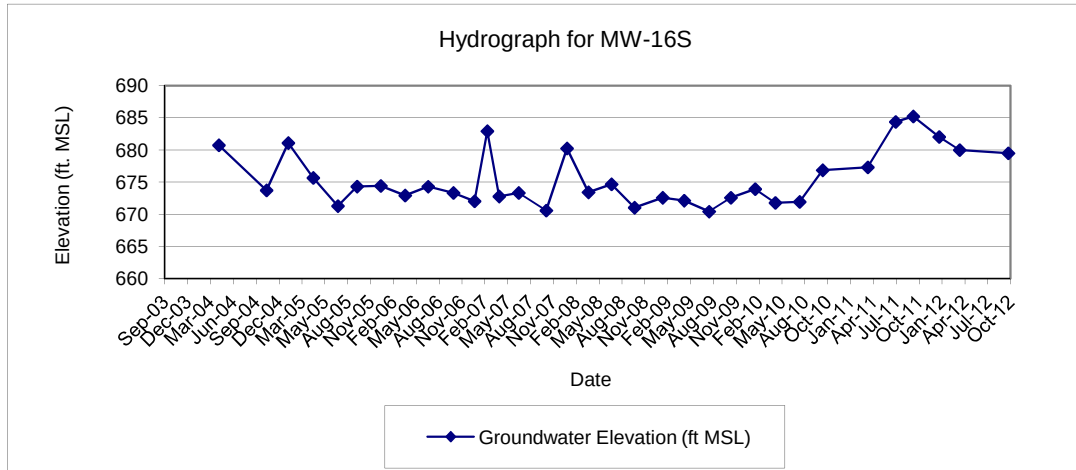
DPE and GWCT down on 2/28/07

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	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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.01'

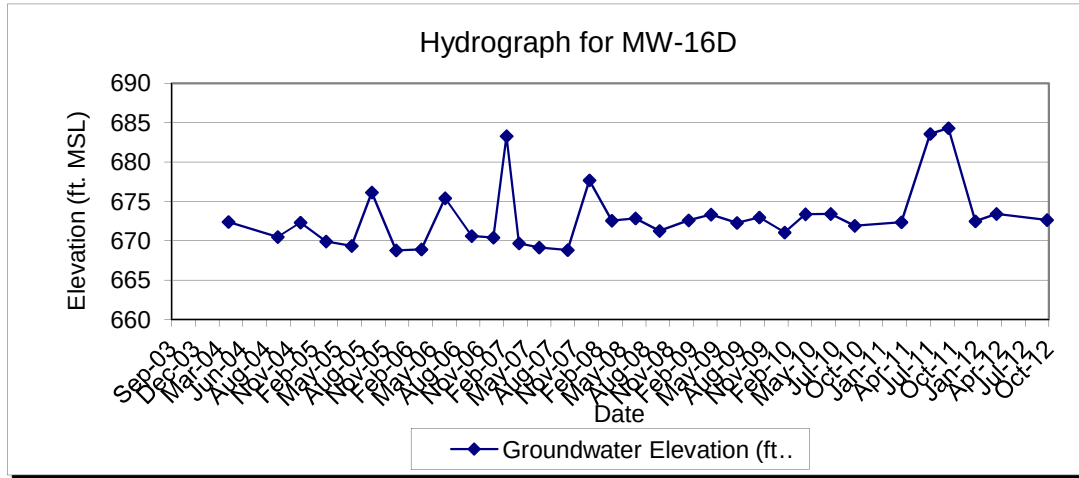
DPE and GWCT down on 2/28/07

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

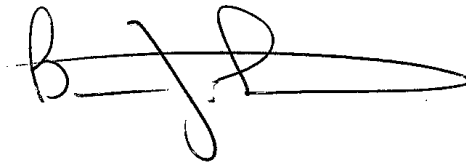
Analytical Laboratory Data (Full data reports contained on attached CD ROM)

ANALYTICAL REPORT

Job Number: 480-26599-1

Job Description: Scott Aviation site

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



Approved for release.
Brian Fischer
Project Manager II
10/24/2012 1:53 PM

Brian Fischer
Project Manager II
brian.fischer@testamericainc.com
10/24/2012

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

Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Manual Integration Summary	5
Sample Summary	7
Executive Summary	8
Method Summary	10
Method / Analyst Summary	11
Sample Datasheets	12
Surrogate Summary	38
QC Data Summary	39
Data Qualifiers	45
QC Association Summary	46
Lab Chronicle	47
Certification Summary	50
Organic Sample Data	51
GC/MS VOA	51
Method 8260B	51
Method 8260B QC Summary	52
Method 8260B Sample Data	65
Standards Data	164
Method 8260B ICAL Data	164
Method 8260B CCAL Data	203
Raw QC Data	216
Method 8260B Tune Data	216
Method 8260B Blank Data	225

Table of Contents

Method 8260B LCS/LCSD Data	239
Method 8260B MS/MSD Data	245
Method 8260B Run Logs	255
Shipping and Receiving Documents	258
Client Chain of Custody	259
Sample Receipt Checklist	260

Job Narrative
480-26599-1

Receipt

The samples were received on 10/12/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

GC/MS VOA

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: (480-26599-9 MS), (480-26599-9 MSD), Duplicate (480-26599-9), MW-13S (480-26599-7), MW-8R (480-26599-8). Elevated reporting limits (RLs) are provided.

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: Duplicate (480-26599-9DL), MW-8R (480-26599-8DL). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1

SDG No.: _____

Instrument ID: HP5973G Analysis Batch Number: 82887Lab Sample ID: IC 480-82887/4 Client Sample ID: _____Date Analyzed: 09/28/12 16:18 Lab File ID: G14977.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	2.35	Peak Tail	HillL	09/28/12 23:29
Acetonitrile	3.27	Peak Tail	HillL	09/28/12 23:09

Lab Sample ID: IC 480-82887/5 Client Sample ID: _____Date Analyzed: 09/28/12 16:41 Lab File ID: G14978.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloro-1,2,2-trifluoroethane	2.86	Peak Tail	HillL	09/28/12 23:22

Lab Sample ID: ICIS 480-82887/6 Client Sample ID: _____Date Analyzed: 09/28/12 17:04 Lab File ID: G14979.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloro-1,2,2-trifluoroethane	2.87	Peak Tail	HillL	09/28/12 23:23

Lab Sample ID: IC 480-82887/8 Client Sample ID: _____Date Analyzed: 09/28/12 17:49 Lab File ID: G14981.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloro-1,2,2-trifluoroethane	2.87	Peak Tail	HillL	09/28/12 23:24

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1

SDG No.: _____

Instrument ID: HP5973G Analysis Batch Number: 86338Lab Sample ID: CCVIS 480-86338/2 Client Sample ID: _____Date Analyzed: 10/18/12 22:02 Lab File ID: G15794.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.01	Split Peak	larsonr	10/18/12 22:30

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 480-26599-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-26599-1	MW-2	Ground Water	10/11/2012 1030	10/12/2012 1640
480-26599-2	MW-11	Ground Water	10/11/2012 1105	10/12/2012 1640
480-26599-3	MW-10	Ground Water	10/11/2012 1150	10/12/2012 1640
480-26599-4	MW-6	Ground Water	10/11/2012 1225	10/12/2012 1640
480-26599-5	MW-12	Ground Water	10/11/2012 1350	10/12/2012 1640
480-26599-6	MW-3	Ground Water	10/11/2012 1430	10/12/2012 1640
480-26599-7	MW-13S	Ground Water	10/12/2012 1000	10/12/2012 1640
480-26599-8	MW-8R	Ground Water	10/12/2012 0830	10/12/2012 1640
480-26599-9FD	Duplicate	Water	10/12/2012 0700	10/12/2012 1640
480-26599-10TB	Trip Blank	Water	10/11/2012 0700	10/12/2012 1640
480-26599-11RB	Rinse Blank	Water	10/11/2012 0715	10/12/2012 1640

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-26599-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-26599-1	MW-2					
Acetone		4.0	J	10	ug/L	8260B
Chloroethane		2.4		1.0	ug/L	8260B
480-26599-2	MW-11					
1,1,1-Trichloroethane		1.1		1.0	ug/L	8260B
1,1-Dichloroethane		9.3		1.0	ug/L	8260B
1,1-Dichloroethene		1.1		1.0	ug/L	8260B
Chloroethane		6.6		1.0	ug/L	8260B
cis-1,2-Dichloroethene		36		1.0	ug/L	8260B
Vinyl chloride		16		1.0	ug/L	8260B
480-26599-5	MW-12					
1,2-Dichloroethane		0.49	J	1.0	ug/L	8260B
Benzene		1.5		1.0	ug/L	8260B
Chloroethane		20		1.0	ug/L	8260B
Vinyl chloride		2.1		1.0	ug/L	8260B
480-26599-6	MW-3					
1,1-Dichloroethane		6.6		1.0	ug/L	8260B
Chloroethane		9.5		1.0	ug/L	8260B
cis-1,2-Dichloroethene		2.8		1.0	ug/L	8260B
Vinyl chloride		44		1.0	ug/L	8260B
480-26599-7	MW-13S					
1,1-Dichloroethene		240	J	800	ug/L	8260B
cis-1,2-Dichloroethene		24000		800	ug/L	8260B
Trichloroethene		41000		800	ug/L	8260B
480-26599-8	MW-8R					
1,1-Dichloroethane		340	J	800	ug/L	8260B
1,1-Dichloroethene		390	J	800	ug/L	8260B
cis-1,2-Dichloroethene		48000		800	ug/L	8260B
Trichloroethene		89000		1600	ug/L	8260B
Vinyl chloride		2000		800	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-26599-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-26599-9FD	DUPLICATE					
1,1-Dichloroethane		380	J	800	ug/L	8260B
cis-1,2-Dichloroethene		48000		800	ug/L	8260B
Trichloroethene		89000		1600	ug/L	8260B
Vinyl chloride		2100		800	ug/L	8260B

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 480-26599-1

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: 480-26599-1

Method	Analyst	Analyst ID
SW846 8260B	Ferguson, Tyler R	TRF
SW846 8260B	Larson, Renee	RL

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: MW-2

Lab Sample ID: 480-26599-1

Date Sampled: 10/11/2012 1030

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15798.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0010			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0010				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	4.0	J	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	2.4		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: 480-26599-1

Client Sample ID: MW-2

Lab Sample ID: 480-26599-1

Date Sampled: 10/11/2012 1030

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15798.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0010			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0010				

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)	114		66 - 137
4-Bromofluorobenzene (Surr)	89		73 - 120
Toluene-d8 (Surr)	109		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: MW-11

Lab Sample ID: 480-26599-2

Date Sampled: 10/11/2012 1105

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15799.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0033			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0033				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.1		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	9.3		0.38	1.0
1,1-Dichloroethene	1.1		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	6.6		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	36		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: 480-26599-1

Client Sample ID: MW-11

Lab Sample ID: 480-26599-2

Date Sampled: 10/11/2012 1105

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15799.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0033			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0033				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	16		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		66 - 137
4-Bromofluorobenzene (Surr)	94		73 - 120
Toluene-d8 (Surr)	115		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: MW-10

Lab Sample ID: 480-26599-3

Date Sampled: 10/11/2012 1150

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15800.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0056			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0056				

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: 480-26599-1

Client Sample ID: MW-10

Lab Sample ID: 480-26599-3

Date Sampled: 10/11/2012 1150

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15800.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0056			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0056				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	115		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: MW-6

Lab Sample ID: 480-26599-4

Date Sampled: 10/11/2012 1225

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15801.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0118			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0118				

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: 480-26599-1

Client Sample ID: MW-6

Lab Sample ID: 480-26599-4

Date Sampled: 10/11/2012 1225

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15801.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0118			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0118				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	111		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: MW-12

Lab Sample ID: 480-26599-5

Date Sampled: 10/11/2012 1350

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15802.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0141			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0141				

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	0.49	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	1.5		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	20		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: 480-26599-1

Client Sample ID: MW-12

Lab Sample ID: 480-26599-5

Date Sampled: 10/11/2012 1350

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15802.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0141			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0141				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2.1		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		66 - 137
4-Bromofluorobenzene (Surr)	89		73 - 120
Toluene-d8 (Surr)	107		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: MW-3

Lab Sample ID: 480-26599-6

Date Sampled: 10/11/2012 1430

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15803.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0203			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0203				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	6.6		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	9.5		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	2.8		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: 480-26599-1

Client Sample ID: MW-3

Lab Sample ID: 480-26599-6

Date Sampled: 10/11/2012 1430

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15803.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0203			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0203				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	44		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		66 - 137
4-Bromofluorobenzene (Surr)	88		73 - 120
Toluene-d8 (Surr)	109		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: MW-13S

Lab Sample ID: 480-26599-7

Date Sampled: 10/12/2012 1000

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15804.D
Dilution:	800			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0226			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0226				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		660	800
1,1,2,2-Tetrachloroethane	ND		170	800
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	800
1,1,2-Trichloroethane	ND		180	800
1,1-Dichloroethane	ND		300	800
1,1-Dichloroethene	240	J	230	800
1,2,4-Trichlorobenzene	ND		330	800
1,2-Dibromo-3-Chloropropane	ND		310	800
1,2-Dibromoethane	ND		580	800
1,2-Dichlorobenzene	ND		630	800
1,2-Dichloroethane	ND		170	800
1,2-Dichloropropane	ND		580	800
1,3-Dichlorobenzene	ND		620	800
1,4-Dichlorobenzene	ND		670	800
2-Butanone (MEK)	ND		1100	8000
2-Hexanone	ND		990	4000
4-Methyl-2-pentanone (MIBK)	ND		1700	4000
Acetone	ND		2400	8000
Benzene	ND		330	800
Bromodichloromethane	ND		310	800
Bromoform	ND		210	800
Bromomethane	ND		550	800
Carbon disulfide	ND		150	800
Carbon tetrachloride	ND		220	800
Chlorobenzene	ND		600	800
Chloroethane	ND		260	800
Chloroform	ND		270	800
Chloromethane	ND		280	800
cis-1,2-Dichloroethene	24000		650	800
cis-1,3-Dichloropropene	ND		290	800
Cyclohexane	ND		140	800
Dibromochloromethane	ND		260	800
Dichlorodifluoromethane	ND		540	800
Ethylbenzene	ND		590	800
Isopropylbenzene	ND		630	800
Methyl acetate	ND		400	800
Methyl tert-butyl ether	ND		130	800
Methylcyclohexane	ND		130	800
Methylene Chloride	ND		350	800
Styrene	ND		580	800
Tetrachloroethene	ND		290	800
Toluene	ND		410	800
trans-1,2-Dichloroethene	ND		720	800
trans-1,3-Dichloropropene	ND		300	800
Trichloroethene	41000		370	800
Trichlorofluoromethane	ND		700	800

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: MW-13S

Lab Sample ID: 480-26599-7

Date Sampled: 10/12/2012 1000

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15804.D
Dilution:	800			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0226			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0226				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		720	800
Xylenes, Total	ND		530	1600

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		66 - 137
4-Bromofluorobenzene (Surr)	95		73 - 120
Toluene-d8 (Surr)	115		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: MW-8R

Lab Sample ID: 480-26599-8

Date Sampled: 10/12/2012 0830

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15805.D
Dilution:	800			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0248			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0248				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		660	800
1,1,2,2-Tetrachloroethane	ND		170	800
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	800
1,1,2-Trichloroethane	ND		180	800
1,1-Dichloroethane	340	J	300	800
1,1-Dichloroethene	390	J	230	800
1,2,4-Trichlorobenzene	ND		330	800
1,2-Dibromo-3-Chloropropane	ND		310	800
1,2-Dibromoethane	ND		580	800
1,2-Dichlorobenzene	ND		630	800
1,2-Dichloroethane	ND		170	800
1,2-Dichloropropane	ND		580	800
1,3-Dichlorobenzene	ND		620	800
1,4-Dichlorobenzene	ND		670	800
2-Butanone (MEK)	ND		1100	8000
2-Hexanone	ND		990	4000
4-Methyl-2-pentanone (MIBK)	ND		1700	4000
Acetone	ND		2400	8000
Benzene	ND		330	800
Bromodichloromethane	ND		310	800
Bromoform	ND		210	800
Bromomethane	ND		550	800
Carbon disulfide	ND		150	800
Carbon tetrachloride	ND		220	800
Chlorobenzene	ND		600	800
Chloroethane	ND		260	800
Chloroform	ND		270	800
Chloromethane	ND		280	800
cis-1,2-Dichloroethene	48000		650	800
cis-1,3-Dichloropropene	ND		290	800
Cyclohexane	ND		140	800
Dibromochloromethane	ND		260	800
Dichlorodifluoromethane	ND		540	800
Ethylbenzene	ND		590	800
Isopropylbenzene	ND		630	800
Methyl acetate	ND		400	800
Methyl tert-butyl ether	ND		130	800
Methylcyclohexane	ND		130	800
Methylene Chloride	ND		350	800
Styrene	ND		580	800
Tetrachloroethene	ND		290	800
Toluene	ND		410	800
trans-1,2-Dichloroethene	ND		720	800
trans-1,3-Dichloropropene	ND		300	800
Trichloroethene	87000	E	370	800
Trichlorofluoromethane	ND		700	800

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: MW-8R

Lab Sample ID: 480-26599-8

Date Sampled: 10/12/2012 0830

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15805.D
Dilution:	800			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0248			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0248				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2000		720	800
Xylenes, Total	ND		530	1600

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	108		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: MW-8R

Lab Sample ID: 480-26599-8

Date Sampled: 10/12/2012 0830

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86398	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15832.D
Dilution:	1600			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 1423	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 1423				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		1300	1600
1,1,2,2-Tetrachloroethane	ND		340	1600
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	1600
1,1,2-Trichloroethane	ND		370	1600
1,1-Dichloroethane	ND		610	1600
1,1-Dichloroethene	ND		460	1600
1,2,4-Trichlorobenzene	ND		660	1600
1,2-Dibromo-3-Chloropropane	ND		620	1600
1,2-Dibromoethane	ND		1200	1600
1,2-Dichlorobenzene	ND		1300	1600
1,2-Dichloroethane	ND		340	1600
1,2-Dichloropropane	ND		1200	1600
1,3-Dichlorobenzene	ND		1200	1600
1,4-Dichlorobenzene	ND		1300	1600
2-Butanone (MEK)	ND		2100	16000
2-Hexanone	ND		2000	8000
4-Methyl-2-pentanone (MIBK)	ND		3400	8000
Acetone	ND		4800	16000
Benzene	ND		660	1600
Bromodichloromethane	ND		620	1600
Bromoform	ND		420	1600
Bromomethane	ND		1100	1600
Carbon disulfide	ND		300	1600
Carbon tetrachloride	ND		430	1600
Chlorobenzene	ND		1200	1600
Chloroethane	ND		510	1600
Chloroform	ND		540	1600
Chloromethane	ND		560	1600
cis-1,2-Dichloroethene	48000		1300	1600
cis-1,3-Dichloropropene	ND		580	1600
Cyclohexane	ND		290	1600
Dibromochloromethane	ND		510	1600
Dichlorodifluoromethane	ND		1100	1600
Ethylbenzene	ND		1200	1600
Isopropylbenzene	ND		1300	1600
Methyl acetate	ND		800	1600
Methyl tert-butyl ether	ND		260	1600
Methylcyclohexane	ND		260	1600
Methylene Chloride	ND		700	1600
Styrene	ND		1200	1600
Tetrachloroethene	ND		580	1600
Toluene	ND		820	1600
trans-1,2-Dichloroethene	ND		1400	1600
trans-1,3-Dichloropropene	ND		590	1600
Trichloroethene	89000		740	1600
Trichlorofluoromethane	ND		1400	1600

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: MW-8R

Lab Sample ID: 480-26599-8

Date Sampled: 10/12/2012 0830

Client Matrix: Ground Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86398	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15832.D
Dilution:	1600			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 1423	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 1423				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2400		1400	1600
Xylenes, Total	ND		1100	3200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		66 - 137
4-Bromofluorobenzene (Surr)	95		73 - 120
Toluene-d8 (Surr)	112		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: Duplicate

Lab Sample ID: 480-26599-9FD

Date Sampled: 10/12/2012 0700

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15806.D
Dilution:	800			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0310			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0310				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		660	800
1,1,2,2-Tetrachloroethane	ND		170	800
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	800
1,1,2-Trichloroethane	ND		180	800
1,1-Dichloroethane	380	J	300	800
1,1-Dichloroethene	ND		230	800
1,2,4-Trichlorobenzene	ND		330	800
1,2-Dibromo-3-Chloropropane	ND		310	800
1,2-Dibromoethane	ND		580	800
1,2-Dichlorobenzene	ND		630	800
1,2-Dichloroethane	ND		170	800
1,2-Dichloropropane	ND		580	800
1,3-Dichlorobenzene	ND		620	800
1,4-Dichlorobenzene	ND		670	800
2-Butanone (MEK)	ND		1100	8000
2-Hexanone	ND		990	4000
4-Methyl-2-pentanone (MIBK)	ND		1700	4000
Acetone	ND		2400	8000
Benzene	ND		330	800
Bromodichloromethane	ND		310	800
Bromoform	ND		210	800
Bromomethane	ND		550	800
Carbon disulfide	ND		150	800
Carbon tetrachloride	ND		220	800
Chlorobenzene	ND		600	800
Chloroethane	ND		260	800
Chloroform	ND		270	800
Chloromethane	ND		280	800
cis-1,2-Dichloroethene	48000		650	800
cis-1,3-Dichloropropene	ND		290	800
Cyclohexane	ND		140	800
Dibromochloromethane	ND		260	800
Dichlorodifluoromethane	ND		540	800
Ethylbenzene	ND		590	800
Isopropylbenzene	ND		630	800
Methyl acetate	ND		400	800
Methyl tert-butyl ether	ND		130	800
Methylcyclohexane	ND		130	800
Methylene Chloride	ND		350	800
Styrene	ND		580	800
Tetrachloroethene	ND		290	800
Toluene	ND		410	800
trans-1,2-Dichloroethene	ND		720	800
trans-1,3-Dichloropropene	ND		300	800
Trichloroethene	91000	E	370	800
Trichlorofluoromethane	ND		700	800

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: Duplicate

Lab Sample ID: 480-26599-9FD

Date Sampled: 10/12/2012 0700

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15806.D
Dilution:	800			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0310			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0310				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2100		720	800
Xylenes, Total	ND		530	1600

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		66 - 137
4-Bromofluorobenzene (Surr)	90		73 - 120
Toluene-d8 (Surr)	112		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: Duplicate

Lab Sample ID: 480-26599-9FD

Date Sampled: 10/12/2012 0700

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86398	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15833.D
Dilution:	1600			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 1445	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 1445				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		1300	1600
1,1,2,2-Tetrachloroethane	ND		340	1600
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	1600
1,1,2-Trichloroethane	ND		370	1600
1,1-Dichloroethane	ND		610	1600
1,1-Dichloroethene	ND		460	1600
1,2,4-Trichlorobenzene	ND		660	1600
1,2-Dibromo-3-Chloropropane	ND		620	1600
1,2-Dibromoethane	ND		1200	1600
1,2-Dichlorobenzene	ND		1300	1600
1,2-Dichloroethane	ND		340	1600
1,2-Dichloropropane	ND		1200	1600
1,3-Dichlorobenzene	ND		1200	1600
1,4-Dichlorobenzene	ND		1300	1600
2-Butanone (MEK)	ND		2100	16000
2-Hexanone	ND		2000	8000
4-Methyl-2-pentanone (MIBK)	ND		3400	8000
Acetone	ND		4800	16000
Benzene	ND		660	1600
Bromodichloromethane	ND		620	1600
Bromoform	ND		420	1600
Bromomethane	ND		1100	1600
Carbon disulfide	ND		300	1600
Carbon tetrachloride	ND		430	1600
Chlorobenzene	ND		1200	1600
Chloroethane	ND		510	1600
Chloroform	ND		540	1600
Chloromethane	ND		560	1600
cis-1,2-Dichloroethene	48000		1300	1600
cis-1,3-Dichloropropene	ND		580	1600
Cyclohexane	ND		290	1600
Dibromochloromethane	ND		510	1600
Dichlorodifluoromethane	ND		1100	1600
Ethylbenzene	ND		1200	1600
Isopropylbenzene	ND		1300	1600
Methyl acetate	ND		800	1600
Methyl tert-butyl ether	ND		260	1600
Methylcyclohexane	ND		260	1600
Methylene Chloride	ND		700	1600
Styrene	ND		1200	1600
Tetrachloroethene	ND		580	1600
Toluene	ND		820	1600
trans-1,2-Dichloroethene	ND		1400	1600
trans-1,3-Dichloropropene	ND		590	1600
Trichloroethene	89000		740	1600
Trichlorofluoromethane	ND		1400	1600

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: Duplicate

Lab Sample ID: 480-26599-9FD

Date Sampled: 10/12/2012 0700

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86398	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15833.D
Dilution:	1600			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 1445	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 1445				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2400		1400	1600
Xylenes, Total	ND		1100	3200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		66 - 137
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	112		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-26599-10TB

Date Sampled: 10/11/2012 0700

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15807.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0333			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0333				

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: 480-26599-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-26599-10TB

Date Sampled: 10/11/2012 0700

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15807.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0333			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0333				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		66 - 137
4-Bromofluorobenzene (Surr)	95		73 - 120
Toluene-d8 (Surr)	118		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26599-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-26599-11RB

Date Sampled: 10/11/2012 0715

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15808.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0355			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0355				

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: 480-26599-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-26599-11RB

Date Sampled: 10/11/2012 0715

Client Matrix: Water

Date Received: 10/12/2012 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G15808.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0355			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0355				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		66 - 137
4-Bromofluorobenzene (Surr)	88		73 - 120
Toluene-d8 (Surr)	109		71 - 126

Client: AECOM, Inc.

Job Number: 480-26599-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-26599-1	MW-2	114	109	89
480-26599-2	MW-11	117	115	94
480-26599-3	MW-10	121	115	91
480-26599-4	MW-6	116	111	92
480-26599-5	MW-12	116	107	89
480-26599-6	MW-3	114	109	88
480-26599-7	MW-13S	119	115	95
480-26599-8	MW-8R	113	108	91
480-26599-8 DL	MW-8R DL	109	112	95
480-26599-9	Duplicate	117	112	90
480-26599-9 DL	Duplicate DL	114	112	99
480-26599-10	Trip Blank	120	118	95
480-26599-11	Rinse Blank	116	109	88
MB 480-86338/5		113	112	91
MB 480-86398/5		114	110	97
LCS 480-86338/4		115	110	92
LCS 480-86398/4		111	112	97
480-26599-9 MS	Duplicate MS	106	109	96
480-26599-9 MSD	Duplicate MSD	108	109	99

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: 480-26599-1

Method Blank - Batch: 480-86338

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-86338/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/18/2012 2330
 Prep Date: 10/18/2012 2330
 Leach Date: N/A

Analysis Batch: 480-86338
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973G
 Lab File ID: G15797.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: 480-26599-1

Method Blank - Batch: 480-86338

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-86338/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/18/2012 2330
Prep Date: 10/18/2012 2330
Leach Date: N/A

Analysis Batch: 480-86338
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973G
Lab File ID: G15797.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)	113	66 - 137
4-Bromofluorobenzene (Surr)	91	73 - 120
Toluene-d8 (Surr)	112	71 - 126

Lab Control Sample - Batch: 480-86338

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 480-86338/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/18/2012 2307
Prep Date: 10/18/2012 2307
Leach Date: N/A

Analysis Batch: 480-86338
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973G
Lab File ID: G15796.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	26.1	105	71 - 129	
1,1-Dichloroethene	25.0	21.2	85	58 - 121	
1,2-Dichlorobenzene	25.0	26.1	104	80 - 124	
1,2-Dichloroethane	25.0	26.7	107	75 - 127	
Benzene	25.0	27.1	108	71 - 124	
Chlorobenzene	25.0	26.0	104	72 - 120	
cis-1,2-Dichloroethene	25.0	25.7	103	74 - 124	
Ethylbenzene	25.0	27.0	108	77 - 123	
Methyl tert-butyl ether	25.0	23.6	95	64 - 127	
Tetrachloroethene	25.0	25.0	100	74 - 122	
Toluene	25.0	26.1	105	80 - 122	
trans-1,2-Dichloroethene	25.0	23.8	95	73 - 127	
Trichloroethene	25.0	26.2	105	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	66 - 137
4-Bromofluorobenzene (Surr)	92	73 - 120
Toluene-d8 (Surr)	110	71 - 126

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-26599-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-86338**

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

MS Lab Sample ID:	480-26599-9	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G15818.D
Dilution:	800	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0738			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0738				
Leach Date:	N/A				

MSD Lab Sample ID:	480-26599-9	Analysis Batch:	480-86338	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G15819.D
Dilution:	800	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/19/2012 0801			Final Weight/Volume:	5 mL
Prep Date:	10/19/2012 0801				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1-Dichloroethane	104	101	71 - 129	2	20		
1,1-Dichloroethene	84	85	58 - 121	0	16		
1,2-Dichlorobenzene	102	103	80 - 124	1	20		
1,2-Dichloroethane	103	101	75 - 127	2	20		
Benzene	107	104	71 - 124	3	13		
Chlorobenzene	103	101	72 - 120	1	25		
cis-1,2-Dichloroethene	81	75	74 - 124	2	15		
Ethylbenzene	107	103	77 - 123	4	15		
Methyl tert-butyl ether	96	96	64 - 127	0	37		
Tetrachloroethene	101	98	74 - 122	2	20		
Toluene	103	101	80 - 122	2	15		
trans-1,2-Dichloroethene	93	92	73 - 127	2	20		
Trichloroethene	41	34	74 - 123	1	16	E 4	E 4
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	106		108	66 - 137			
4-Bromofluorobenzene (Surr)	96		99	73 - 120			
Toluene-d8 (Surr)	109		109	71 - 126			

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-26599-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-86338**

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

MS Lab Sample ID: 480-26599-9 Units: ug/L
Client Matrix: Water
Dilution: 800
Analysis Date: 10/19/2012 0738
Prep Date: 10/19/2012 0738
Leach Date: N/A

MSD Lab Sample ID: 480-26599-9
Client Matrix: Water
Dilution: 800
Analysis Date: 10/19/2012 0801
Prep Date: 10/19/2012 0801
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	380 J	20000	20000	21200	20600
1,1-Dichloroethene	ND	20000	20000	16900	16900
1,2-Dichlorobenzene	ND	20000	20000	20500	20600
1,2-Dichloroethane	ND	20000	20000	20600	20200
Benzene	ND	20000	20000	21500	20800
Chlorobenzene	ND	20000	20000	20500	20300
cis-1,2-Dichloroethene	48000	20000	20000	64000	62800
Ethylbenzene	ND	20000	20000	21300	20600
Methyl tert-butyl ether	ND	20000	20000	19200	19100
Tetrachloroethene	ND	20000	20000	20100	19700
Toluene	ND	20000	20000	20700	20200
trans-1,2-Dichloroethene	ND	20000	20000	18600	18300
Trichloroethene	91000	20000	20000	99700 E 4	98300 E 4

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-26599-1

Method Blank - Batch: 480-86398

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-86398/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/19/2012 1316
 Prep Date: 10/19/2012 1316
 Leach Date: N/A

Analysis Batch: 480-86398
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973G
 Lab File ID: G15829.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: 480-26599-1

Method Blank - Batch: 480-86398

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-86398/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/19/2012 1316
Prep Date: 10/19/2012 1316
Leach Date: N/A

Analysis Batch: 480-86398
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973G
Lab File ID: G15829.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)	114	66 - 137
4-Bromofluorobenzene (Surr)	97	73 - 120
Toluene-d8 (Surr)	110	71 - 126

Lab Control Sample - Batch: 480-86398

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 480-86398/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/19/2012 1117
Prep Date: 10/19/2012 1117
Leach Date: N/A

Analysis Batch: 480-86398
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973G
Lab File ID: G15825.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	25.4	102	71 - 129	
1,1-Dichloroethene	25.0	17.5	70	58 - 121	
1,2-Dichlorobenzene	25.0	25.1	100	80 - 124	
1,2-Dichloroethane	25.0	26.4	106	75 - 127	
Benzene	25.0	25.9	104	71 - 124	
Chlorobenzene	25.0	25.1	101	72 - 120	
cis-1,2-Dichloroethene	25.0	25.8	103	74 - 124	
Ethylbenzene	25.0	26.0	104	77 - 123	
Methyl tert-butyl ether	25.0	23.8	95	64 - 127	
Tetrachloroethene	25.0	24.4	98	74 - 122	
Toluene	25.0	25.4	102	80 - 122	
trans-1,2-Dichloroethene	25.0	22.9	92	73 - 127	
Trichloroethene	25.0	24.9	100	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	66 - 137
4-Bromofluorobenzene (Surr)	97	73 - 120
Toluene-d8 (Surr)	112	71 - 126

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 480-26599-1

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

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-26599-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-86338					
LCS 480-86338/4	Lab Control Sample	T	Water	8260B	
MB 480-86338/5	Method Blank	T	Water	8260B	
480-26599-1	MW-2	T	Water	8260B	
480-26599-2	MW-11	T	Water	8260B	
480-26599-3	MW-10	T	Water	8260B	
480-26599-4	MW-6	T	Water	8260B	
480-26599-5	MW-12	T	Water	8260B	
480-26599-6	MW-3	T	Water	8260B	
480-26599-7	MW-13S	T	Water	8260B	
480-26599-8	MW-8R	T	Water	8260B	
480-26599-9FD	Duplicate	T	Water	8260B	
480-26599-9MS	Matrix Spike	T	Water	8260B	
480-26599-9MSD	Matrix Spike Duplicate	T	Water	8260B	
480-26599-10TB	Trip Blank	T	Water	8260B	
480-26599-11RB	Rinse Blank	T	Water	8260B	
Analysis Batch:480-86398					
LCS 480-86398/4	Lab Control Sample	T	Water	8260B	
MB 480-86398/5	Method Blank	T	Water	8260B	
480-26599-8DL	MW-8R	T	Water	8260B	
480-26599-9FDDL	Duplicate	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-26599-1

Laboratory Chronicle

Lab ID: 480-26599-1

Client ID: MW-2

Sample Date/Time: 10/11/2012 10:30

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26599-A-1		480-86338		10/19/2012 00:10	1	TAL BUF	TRF
A:8260B	480-26599-A-1		480-86338		10/19/2012 00:10	1	TAL BUF	TRF

Lab ID: 480-26599-2

Client ID: MW-11

Sample Date/Time: 10/11/2012 11:05

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26599-A-2		480-86338		10/19/2012 00:33	1	TAL BUF	TRF
A:8260B	480-26599-A-2		480-86338		10/19/2012 00:33	1	TAL BUF	TRF

Lab ID: 480-26599-3

Client ID: MW-10

Sample Date/Time: 10/11/2012 11:50

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26599-A-3		480-86338		10/19/2012 00:56	1	TAL BUF	TRF
A:8260B	480-26599-A-3		480-86338		10/19/2012 00:56	1	TAL BUF	TRF

Lab ID: 480-26599-4

Client ID: MW-6

Sample Date/Time: 10/11/2012 12:25

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26599-A-4		480-86338		10/19/2012 01:18	1	TAL BUF	TRF
A:8260B	480-26599-A-4		480-86338		10/19/2012 01:18	1	TAL BUF	TRF

Lab ID: 480-26599-5

Client ID: MW-12

Sample Date/Time: 10/11/2012 13:50

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26599-A-5		480-86338		10/19/2012 01:41	1	TAL BUF	TRF
A:8260B	480-26599-A-5		480-86338		10/19/2012 01:41	1	TAL BUF	TRF

Lab ID: 480-26599-6

Client ID: MW-3

Sample Date/Time: 10/11/2012 14:30

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26599-A-6		480-86338		10/19/2012 02:03	1	TAL BUF	TRF
A:8260B	480-26599-A-6		480-86338		10/19/2012 02:03	1	TAL BUF	TRF

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-26599-1

Laboratory Chronicle

Lab ID: 480-26599-7

Client ID: MW-13S

Sample Date/Time: 10/12/2012 10:00

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26599-A-7		480-86338		10/19/2012 02:26	800	TAL BUF	TRF
A:8260B	480-26599-A-7		480-86338		10/19/2012 02:26	800	TAL BUF	TRF

Lab ID: 480-26599-8

Client ID: MW-8R

Sample Date/Time: 10/12/2012 08:30

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26599-A-8		480-86338		10/19/2012 02:48	800	TAL BUF	TRF
A:8260B	480-26599-A-8		480-86338		10/19/2012 02:48	800	TAL BUF	TRF
P:5030B	480-26599-B-8	DL	480-86398		10/19/2012 14:23	1600	TAL BUF	RL
A:8260B	480-26599-B-8	DL	480-86398		10/19/2012 14:23	1600	TAL BUF	RL

Lab ID: 480-26599-9

Client ID: Duplicate

Sample Date/Time: 10/12/2012 07:00

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26599-A-9		480-86338		10/19/2012 03:10	800	TAL BUF	TRF
A:8260B	480-26599-A-9		480-86338		10/19/2012 03:10	800	TAL BUF	TRF
P:5030B	480-26599-B-9	DL	480-86398		10/19/2012 14:45	1600	TAL BUF	RL
A:8260B	480-26599-B-9	DL	480-86398		10/19/2012 14:45	1600	TAL BUF	RL

Lab ID: 480-26599-9 MS

Client ID: Duplicate

Sample Date/Time: 10/12/2012 07:00

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26599-A-9 MS		480-86338		10/19/2012 07:38	800	TAL BUF	TRF
A:8260B	480-26599-A-9 MS		480-86338		10/19/2012 07:38	800	TAL BUF	TRF

Lab ID: 480-26599-9 MSD

Client ID: Duplicate

Sample Date/Time: 10/12/2012 07:00

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26599-A-9 MSD		480-86338		10/19/2012 08:01	800	TAL BUF	TRF
A:8260B	480-26599-A-9 MSD		480-86338		10/19/2012 08:01	800	TAL BUF	TRF

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-26599-1

Laboratory Chronicle

Lab ID: 480-26599-10

Client ID: Trip Blank

Sample Date/Time: 10/11/2012 07:00

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26599-A-10		480-86338		10/19/2012 03:33	1	TAL BUF	TRF
A:8260B	480-26599-A-10		480-86338		10/19/2012 03:33	1	TAL BUF	TRF

Lab ID: 480-26599-11

Client ID: Rinse Blank

Sample Date/Time: 10/11/2012 07:15

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26599-A-11		480-86338		10/19/2012 03:55	1	TAL BUF	TRF
A:8260B	480-26599-A-11		480-86338		10/19/2012 03:55	1	TAL BUF	TRF

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 480-86338/5		480-86338		10/18/2012 23:30	1	TAL BUF	TRF
A:8260B	MB 480-86338/5		480-86338		10/18/2012 23:30	1	TAL BUF	TRF
P:5030B	MB 480-86398/5		480-86398		10/19/2012 13:16	1	TAL BUF	RL
A:8260B	MB 480-86398/5		480-86398		10/19/2012 13:16	1	TAL BUF	RL

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 480-86338/4		480-86338		10/18/2012 23:07	1	TAL BUF	TRF
A:8260B	LCS 480-86338/4		480-86338		10/18/2012 23:07	1	TAL BUF	TRF
P:5030B	LCS 480-86398/4		480-86398		10/19/2012 11:17	1	TAL BUF	RL
A:8260B	LCS 480-86398/4		480-86398		10/19/2012 11:17	1	TAL BUF	RL

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

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

TestAmerica Job ID: 480-26599-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	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	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	2973
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAC	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.: 480-26599-1
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	480-26599-1	114	109	89
MW-11	480-26599-2	117	115	94
MW-10	480-26599-3	121	115	91
MW-6	480-26599-4	116	111	92
MW-12	480-26599-5	116	107	89
MW-3	480-26599-6	114	109	88
MW-13S	480-26599-7	119	115	95
MW-8R	480-26599-8	113	108	91
MW-8R DL	480-26599-8 DL	109	112	95
Duplicate	480-26599-9	117	112	90
Duplicate DL	480-26599-9 DL	114	112	99
Trip Blank	480-26599-10	120	118	95
Rinse Blank	480-26599-11	116	109	88
	MB 480-86338/5	113	112	91
	MB 480-86398/5	114	110	97
	LCS 480-86338/4	115	110	92
	LCS 480-86398/4	111	112	97
Duplicate MS	480-26599-9 MS	106	109	96
Duplicate MSD	480-26599-9 MSD	108	109	99

	<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.: 480-26599-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: G15796.D
 Lab ID: LCS 480-86338/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	26.1	105	71-129	
1,1-Dichloroethene	25.0	21.2	85	58-121	
1,2-Dichlorobenzene	25.0	26.1	104	80-124	
1,2-Dichloroethane	25.0	26.7	107	75-127	
Benzene	25.0	27.1	108	71-124	
Chlorobenzene	25.0	26.0	104	72-120	
cis-1,2-Dichloroethene	25.0	25.7	103	74-124	
Ethylbenzene	25.0	27.0	108	77-123	
Methyl tert-butyl ether	25.0	23.6	95	64-127	
Tetrachloroethene	25.0	25.0	100	74-122	
Toluene	25.0	26.1	105	80-122	
trans-1,2-Dichloroethene	25.0	23.8	95	73-127	
Trichloroethene	25.0	26.2	105	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.: 480-26599-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: G15825.D
 Lab ID: LCS 480-86398/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	25.4	102	71-129	
1,1-Dichloroethene	25.0	17.5	70	58-121	
1,2-Dichlorobenzene	25.0	25.1	100	80-124	
1,2-Dichloroethane	25.0	26.4	106	75-127	
Benzene	25.0	25.9	104	71-124	
Chlorobenzene	25.0	25.1	101	72-120	
cis-1,2-Dichloroethene	25.0	25.8	103	74-124	
Ethylbenzene	25.0	26.0	104	77-123	
Methyl tert-butyl ether	25.0	23.8	95	64-127	
Tetrachloroethene	25.0	24.4	98	74-122	
Toluene	25.0	25.4	102	80-122	
trans-1,2-Dichloroethene	25.0	22.9	92	73-127	
Trichloroethene	25.0	24.9	100	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.: 480-26599-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: G15818.D
 Lab ID: 480-26599-9 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	20000	380 J	21200	104	71-129	
1,1-Dichloroethene	20000	ND	16900	84	58-121	
1,2-Dichlorobenzene	20000	ND	20500	102	80-124	
1,2-Dichloroethane	20000	ND	20600	103	75-127	
Benzene	20000	ND	21500	107	71-124	
Chlorobenzene	20000	ND	20500	103	72-120	
cis-1,2-Dichloroethene	20000	48000	64000	81	74-124	
Ethylbenzene	20000	ND	21300	107	77-123	
Methyl tert-butyl ether	20000	ND	19200	96	64-127	
Tetrachloroethene	20000	ND	20100	101	74-122	
Toluene	20000	ND	20700	103	80-122	
trans-1,2-Dichloroethene	20000	ND	18600	93	73-127	
Trichloroethene	20000	91000	99700	41	74-123	E 4

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: G15819.D
 Lab ID: 480-26599-9 MSD Client ID: Duplicate MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1-Dichloroethane	20000	20600	101	2	20	71-129	
1,1-Dichloroethene	20000	16900	85	0	16	58-121	
1,2-Dichlorobenzene	20000	20600	103	1	20	80-124	
1,2-Dichloroethane	20000	20200	101	2	20	75-127	
Benzene	20000	20800	104	3	13	71-124	
Chlorobenzene	20000	20300	101	1	25	72-120	
cis-1,2-Dichloroethene	20000	62800	75	2	15	74-124	
Ethylbenzene	20000	20600	103	4	15	77-123	
Methyl tert-butyl ether	20000	19100	96	0	37	64-127	
Tetrachloroethene	20000	19700	98	2	20	74-122	
Toluene	20000	20200	101	2	15	80-122	
trans-1,2-Dichloroethene	20000	18300	92	2	20	73-127	
Trichloroethene	20000	98300	34	1	16	74-123	E 4

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1
 SDG No.: _____
 Lab File ID: G15797.D Lab Sample ID: MB 480-86338/5
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: HP5973G Date Analyzed: 10/18/2012 23:30
 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 480-86338/4	G15796.D	10/18/2012 23:07
MW-2	480-26599-1	G15798.D	10/19/2012 00:10
MW-11	480-26599-2	G15799.D	10/19/2012 00:33
MW-10	480-26599-3	G15800.D	10/19/2012 00:56
MW-6	480-26599-4	G15801.D	10/19/2012 01:18
MW-12	480-26599-5	G15802.D	10/19/2012 01:41
MW-3	480-26599-6	G15803.D	10/19/2012 02:03
MW-13S	480-26599-7	G15804.D	10/19/2012 02:26
MW-8R	480-26599-8	G15805.D	10/19/2012 02:48
Duplicate	480-26599-9	G15806.D	10/19/2012 03:10
Trip Blank	480-26599-10	G15807.D	10/19/2012 03:33
Rinse Blank	480-26599-11	G15808.D	10/19/2012 03:55
Duplicate MS	480-26599-9 MS	G15818.D	10/19/2012 07:38
Duplicate MSD	480-26599-9 MSD	G15819.D	10/19/2012 08:01

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1
SDG No.: _____
Lab File ID: G15829.D Lab Sample ID: MB 480-86398/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973G Date Analyzed: 10/19/2012 13:16
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-86398/4	G15825.D	10/19/2012 11:17
MW-8R DL	480-26599-8 DL	G15832.D	10/19/2012 14:23
Duplicate DL	480-26599-9 DL	G15833.D	10/19/2012 14:45

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

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1
 SDG No.: _____
 Lab File ID: G14974.D BFB Injection Date: 09/28/2012
 Instrument ID: HP5973G BFB Injection Time: 14:59
 Analysis Batch No.: 82887

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.5
75	30.0 - 60.0 % of mass 95	47.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.7 (1.2) 1
174	50.0 - 120.00 % of mass 95	62.7
175	5.0 - 9.0 % of mass 174	5.0 (8.0) 1
176	95.0 - 101.0 % of mass 174	59.8 (95.5) 1
177	5.0 - 9.0 % of mass 176	3.7 (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 480-82887/3	G14976.D	09/28/2012	15:56
	IC 480-82887/4	G14977.D	09/28/2012	16:18
	IC 480-82887/5	G14978.D	09/28/2012	16:41
	ICIS 480-82887/6	G14979.D	09/28/2012	17:04
	IC 480-82887/7	G14980.D	09/28/2012	17:27
	IC 480-82887/8	G14981.D	09/28/2012	17:49

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

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1
SDG No.: _____
Lab File ID: G15793.D BFB Injection Date: 10/18/2012
Instrument ID: HP5973G BFB Injection Time: 21:37
Analysis Batch No.: 86338

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.8
75	30.0 - 60.0 % of mass 95	50.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.2
173	Less than 2.0 % of mass 174	1.1 (1.8) 1
174	50.0 - 120.00 % of mass 95	59.7
175	5.0 - 9.0 % of mass 174	4.5 (7.5) 1
176	95.0 - 101.0 % of mass 174	57.4 (96.1) 1
177	5.0 - 9.0 % of mass 176	3.7 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-86338/2	G15794.D	10/18/2012	22:02
	LCS 480-86338/4	G15796.D	10/18/2012	23:07
	MB 480-86338/5	G15797.D	10/18/2012	23:30
MW-2	480-26599-1	G15798.D	10/19/2012	00:10
MW-11	480-26599-2	G15799.D	10/19/2012	00:33
MW-10	480-26599-3	G15800.D	10/19/2012	00:56
MW-6	480-26599-4	G15801.D	10/19/2012	01:18
MW-12	480-26599-5	G15802.D	10/19/2012	01:41
MW-3	480-26599-6	G15803.D	10/19/2012	02:03
MW-13S	480-26599-7	G15804.D	10/19/2012	02:26
MW-8R	480-26599-8	G15805.D	10/19/2012	02:48
Duplicate	480-26599-9	G15806.D	10/19/2012	03:10
Trip Blank	480-26599-10	G15807.D	10/19/2012	03:33
Rinse Blank	480-26599-11	G15808.D	10/19/2012	03:55
Duplicate MS	480-26599-9 MS	G15818.D	10/19/2012	07:38
Duplicate MSD	480-26599-9 MSD	G15819.D	10/19/2012	08:01

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

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1
SDG No.: _____
Lab File ID: G15821.D BFB Injection Date: 10/19/2012
Instrument ID: HP5973G BFB Injection Time: 09:31
Analysis Batch No.: 86398

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.1
75	30.0 - 60.0 % of mass 95	46.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.1
173	Less than 2.0 % of mass 174	0.4 (0.6) 1
174	50.0 - 120.00 % of mass 95	64.5
175	5.0 - 9.0 % of mass 174	5.8 (9.0) 1
176	95.0 - 101.0 % of mass 174	62.8 (97.3) 1
177	5.0 - 9.0 % of mass 176	4.1 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-86398/2	G15822.D	10/19/2012	09:56
	LCS 480-86398/4	G15825.D	10/19/2012	11:17
	MB 480-86398/5	G15829.D	10/19/2012	13:16
MW-8R DL	480-26599-8 DL	G15832.D	10/19/2012	14:23
Duplicate DL	480-26599-9 DL	G15833.D	10/19/2012	14:45

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

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1
SDG No.: _____
Sample No.: ICIS 480-82887/6 Date Analyzed: 09/28/2012 17:04
Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm)
Lab File ID (Standard): G14979.D Heated Purge: (Y/N) N
Calibration ID: 10708

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		893303	5.74	447401	8.63	393624	11.00
UPPER LIMIT		1786606	6.24	894802	9.13	787248	11.50
LOWER LIMIT		446652	5.24	223701	8.13	196812	10.50
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCVIS 480-86338/2		837444	5.74	439410	8.63	360600	11.00
CCVIS 480-86398/2		838264	5.74	428097	8.63	352496	11.00

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.: 480-26599-1
 SDG No.: _____
 Sample No.: CCVIS 480-86338/2 Date Analyzed: 10/18/2012 22:02
 Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): G15794.D Heated Purge: (Y/N) N
 Calibration ID: 10709

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		837444	5.74	439410	8.63	360600	11.00
UPPER LIMIT		1674888	6.24	878820	9.13	721200	11.50
LOWER LIMIT		418722	5.24	219705	8.13	180300	10.50
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-86338/4		822114	5.74	414824	8.63	336364	11.00
MB 480-86338/5		809978	5.74	408192	8.63	317318	11.00
480-26599-1	MW-2	810033	5.74	410732	8.63	316716	11.00
480-26599-2	MW-11	795440	5.74	397138	8.63	308639	11.00
480-26599-3	MW-10	775104	5.74	397628	8.63	309236	11.00
480-26599-4	MW-6	770148	5.74	398981	8.63	321561	11.00
480-26599-5	MW-12	799727	5.74	415647	8.63	320581	11.00
480-26599-6	MW-3	792628	5.74	407068	8.63	320665	11.00
480-26599-7	MW-13S	780731	5.74	394048	8.63	311230	11.00
480-26599-8	MW-8R	792253	5.74	403608	8.63	318188	11.00
480-26599-9	Duplicate	778710	5.74	402717	8.63	315516	11.00
480-26599-10	Trip Blank	745158	5.74	381982	8.63	299547	11.00
480-26599-11	Rinse Blank	778507	5.74	402577	8.63	314779	11.00
480-26599-9 MS	Duplicate MS	838325	5.74	424632	8.63	353267	11.00
480-26599-9 MSD	Duplicate MSD	818876	5.74	414929	8.63	343857	11.00

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.: 480-26599-1
 SDG No.: _____
 Sample No.: CCVIS 480-86398/2 Date Analyzed: 10/19/2012 09:56
 Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): G15822.D Heated Purge: (Y/N) N
 Calibration ID: 10709

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	838264	5.74	428097	8.63	352496	11.00	
UPPER LIMIT	1676528	6.24	856194	9.13	704992	11.50	
LOWER LIMIT	419132	5.24	214049	8.13	176248	10.50	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-86398/4		809749	5.74	406318	8.63	340426	11.00
MB 480-86398/5		824418	5.74	415981	8.63	337381	11.00
480-26599-8 DL	MW-8R DL	814192	5.74	409871	8.63	334588	11.00
480-26599-9 DL	Duplicate DL	800466	5.74	399804	8.63	330921	10.99

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 I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1

SDG No.: _____

Client Sample ID: MW-2 Lab Sample ID: 480-26599-1

Matrix: Ground Water Lab File ID: G15798.D

Analysis Method: 8260B Date Collected: 10/11/2012 10:30

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 00:10

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.: 86338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	4.0	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	2.4		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.: 480-26599-1
 SDG No.: _____
 Client Sample ID: MW-2 Lab Sample ID: 480-26599-1
 Matrix: Ground Water Lab File ID: G15798.D
 Analysis Method: 8260B Date Collected: 10/11/2012 10:30
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 00:10
 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.: 86338 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)	114		66-137
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
2037-26-5	Toluene-d8 (Surr)	109		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15798.D
 Lims ID: 480-26599-A-1 Client ID: MW-2
 Inject. Date: 19-Oct-2012 00:10:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-26599-A-1
 Misc. Info.: 480-0015862-007 =480-0015862-007
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 86338 Lims Sample ID: 7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 19-Oct-2012 06:17:21 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 19-Oct-2012 12:45:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	96	810033	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	410732	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	316716	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	174625	28.5	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.144	0.0	94	979056	27.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.869	0.0	79	225361	22.2	
10 Dichlorodifluoromethane	85		1.420					
12 Chloromethane	50		1.609					9
13 Vinyl chloride	62		1.700					
14 Bromomethane	94		2.011					9
15 Chloroethane	64	2.133	2.121	0.012	81	14398	2.38	
17 Trichlorofluoromethane	101		2.347					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.853					
20 1,1-Dichloroethene	96		2.865					
22 Acetone	43	2.987	2.974	0.013	91	18545	3.98	
24 Carbon disulfide	76		3.060					
28 Methyl acetate	43		3.273					
29 Methylene Chloride	84		3.371					9
31 Methyl tert-butyl ether	73		3.602					9
32 trans-1,2-Dichloroethene	96		3.608					
36 1,1-Dichloroethane	63		4.017					9
43 cis-1,2-Dichloroethene	96		4.572					9
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					9
52 Cyclohexane	56		5.029					9
53 Carbon tetrachloride	117		5.157					
56 Benzene	78	5.364	5.364	0.0	38	6331	0.1651	
57 1,2-Dichloroethane	62		5.419					
61 Trichloroethene	95		5.974					9
62 Methylcyclohexane	83		6.108					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.206					9
67 Dichlorobromomethane	83		6.492					
72 cis-1,3-Dichloropropene	75		6.913					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					
74 Toluene	92		7.211					
76 trans-1,3-Dichloropropene	75		7.474					
79 1,1,2-Trichloroethane	83		7.663					9
80 Tetrachloroethene	166		7.754					
82 2-Hexanone	43		7.888					9
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.175					
86 Chlorobenzene	112		8.656					
89 Ethylbenzene	91		8.754					
90 m-Xylene & p-Xylene	106		8.876					
91 o-Xylene	106		9.302					9
92 Styrene	104		9.327					
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680					9
98 1,1,2,2-Tetrachloroethane	83		10.052					9
110 1,3-Dichlorobenzene	146		10.930					
113 1,4-Dichlorobenzene	146		11.016					9
116 1,2-Dichlorobenzene	146		11.369					9
117 1,2-Dibromo-3-Chloropropane	75		12.082					
119 1,2,4-Trichlorobenzene	180		12.771					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 12:45:08

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15798.D

Injection Date: 19-Oct-2012 00:10:30

Limit Group: MV - 8260B ICAL

Client ID: MW-2

Instrument ID: HP5973G

Lims Batch ID: 86338

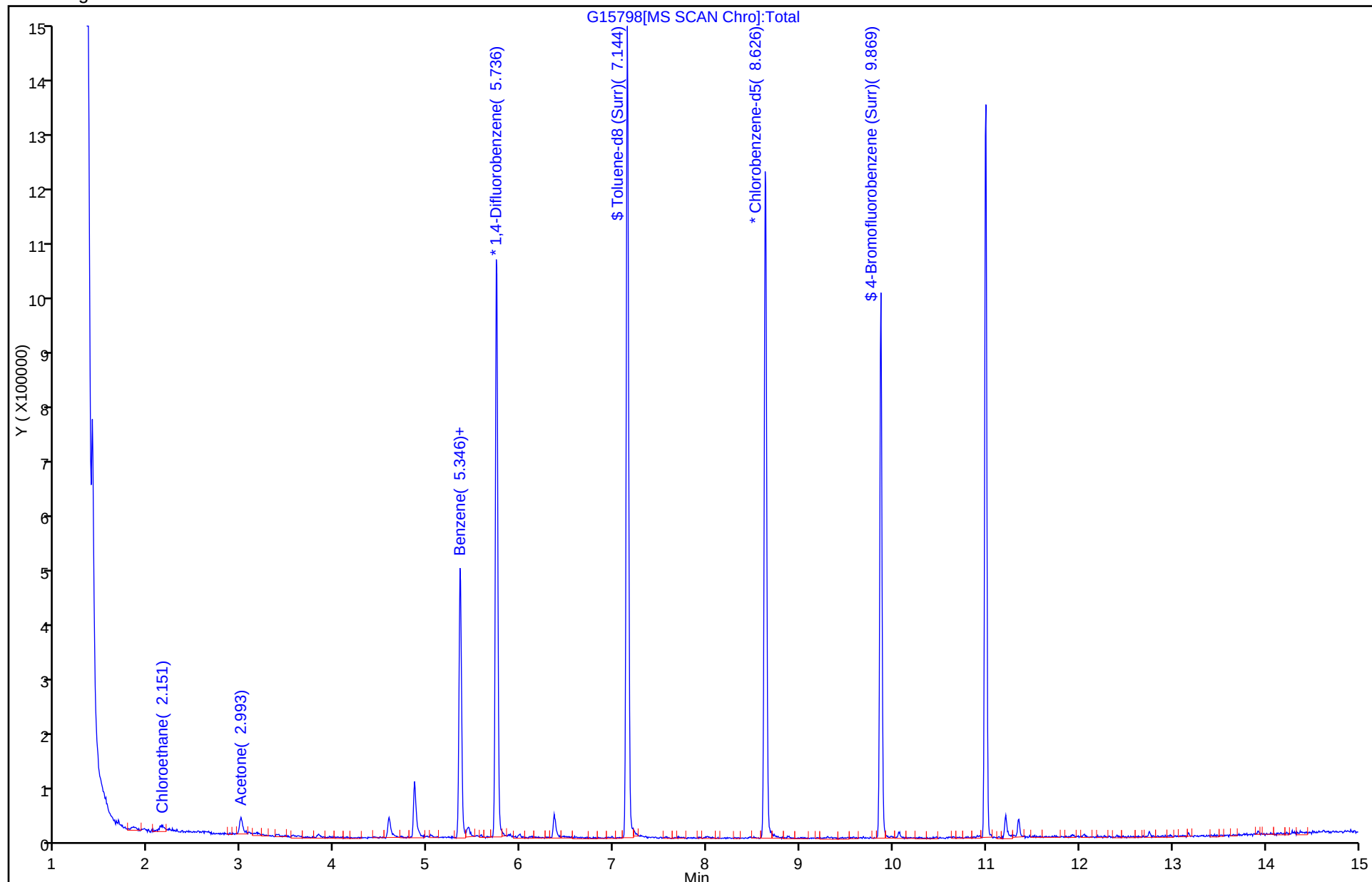
Lims Sample ID: 7

Operator ID: RAL

Column Type: ZB-624

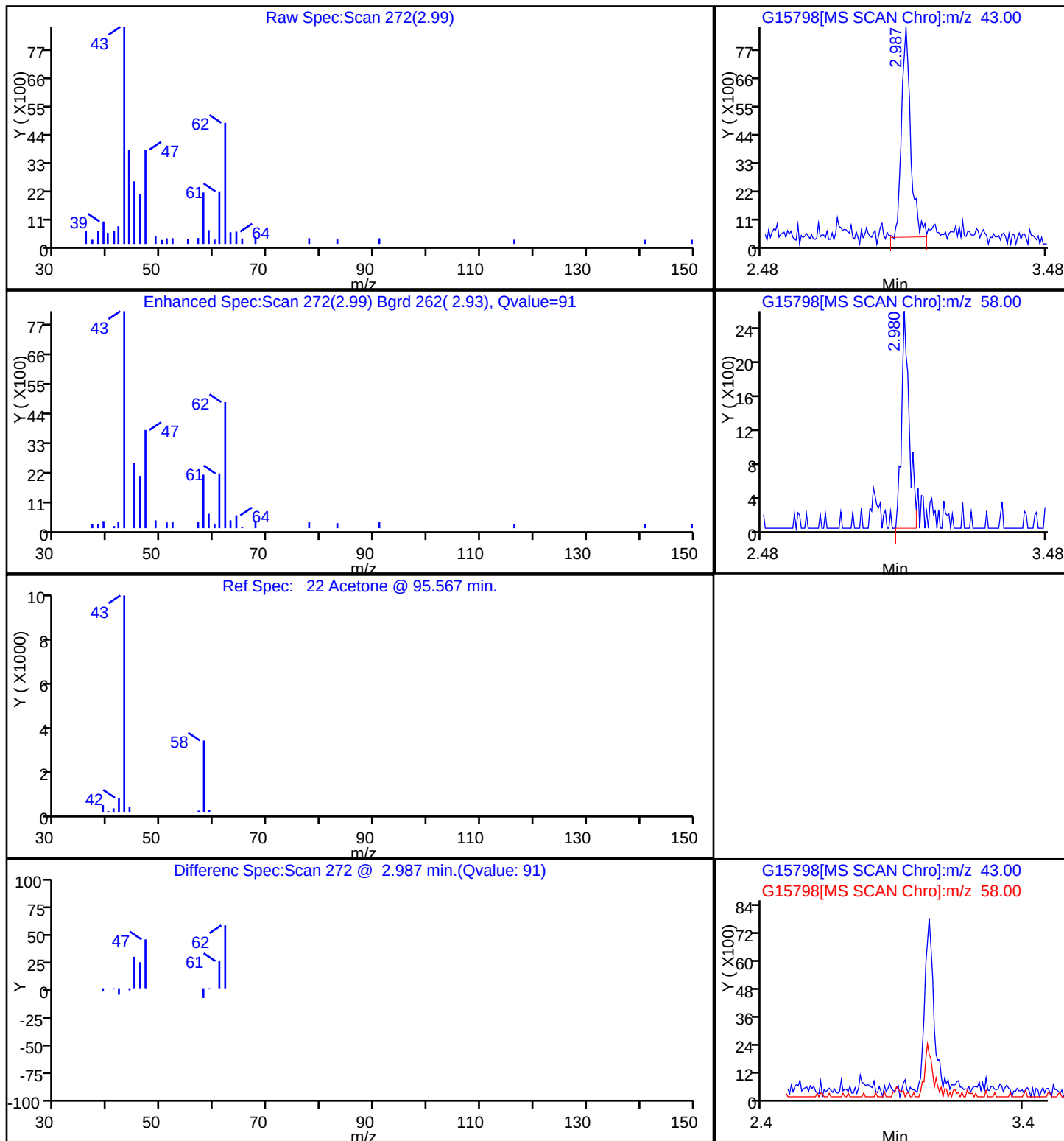
Column Dia: 0.25 mm

Y Scaling:



Report Date: 19-Oct-2012 12:45:09
Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15798.D
Injection Date: 19-Oct-2012 00:10:30
Client ID: MW-2
Lims Batch ID: 86338
Operator ID: RAL
Column Type: ZB-624
22 Acetone

Chrom Revision: 2.0 17-Jul-2012 17:32:54
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973G
Lims Sample ID: 7
Column Dia: 0.25 mm



Report Date: 19-Oct-2012 12:45:09

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15798.D

Injection Date: 19-Oct-2012 00:10:30

Limit Group: MV - 8260B ICAL

Client ID: MW-2

Instrument ID: HP5973G

Lims Batch ID: 86338

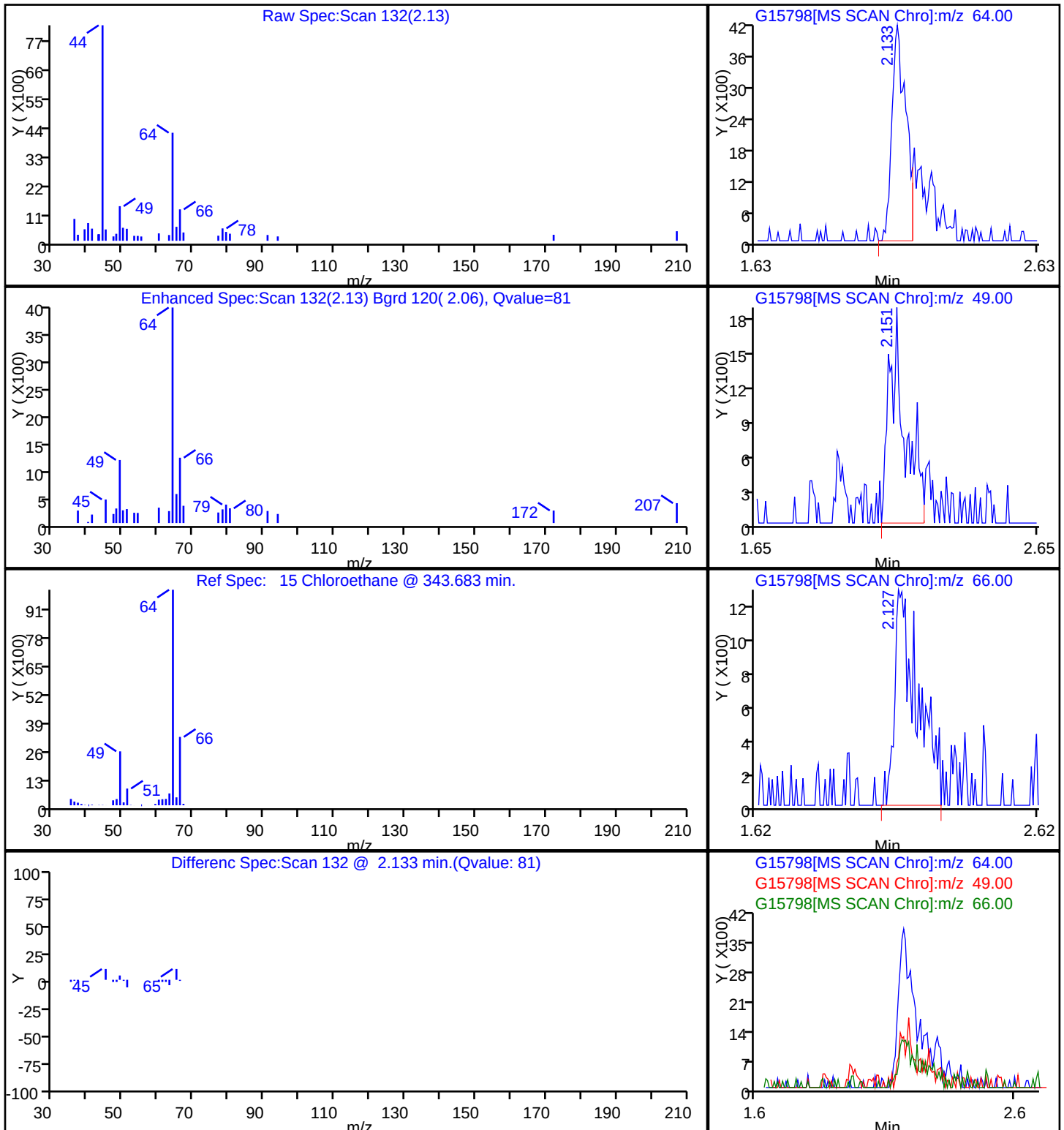
Lims Sample ID: 7

Operator ID: RAL

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.: 480-26599-1

SDG No.: _____

Client Sample ID: MW-11 Lab Sample ID: 480-26599-2

Matrix: Ground Water Lab File ID: G15799.D

Analysis Method: 8260B Date Collected: 10/11/2012 11:05

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 00:33

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.: 86338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.1		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	9.3		1.0	0.38
75-35-4	1,1-Dichloroethene	1.1		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	6.6		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	36		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.: 480-26599-1
 SDG No.: _____
 Client Sample ID: MW-11 Lab Sample ID: 480-26599-2
 Matrix: Ground Water Lab File ID: G15799.D
 Analysis Method: 8260B Date Collected: 10/11/2012 11:05
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 00:33
 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.: 86338 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	16		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
2037-26-5	Toluene-d8 (Surr)	115		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15799.D
 Lims ID: 480-26599-A-2 Client ID: MW-11
 Inject. Date: 19-Oct-2012 00:33:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-26599-A-2
 Misc. Info.: 480-0015862-008 =480-0015862-008
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 86338 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 19-Oct-2012 06:17:21 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 19-Oct-2012 12:45:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	95	795440	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	397138	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	308639	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.346	0.006	0	175899	29.2	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.144	0.0	94	996184	28.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.869	0.0	78	231862	23.5	
10 Dichlorodifluoromethane	85		1.420					
12 Chloromethane	50		1.609					
13 Vinyl chloride	62	1.719	1.700	0.019	81	175953	15.8	
14 Bromomethane	94		2.011					9
15 Chloroethane	64	2.127	2.121	0.006	90	37952	6.61	
17 Trichlorofluoromethane	101		2.347					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.853					
20 1,1-Dichloroethene	96	2.871	2.865	0.006	75	8128	1.15	
22 Acetone	43		2.974					
24 Carbon disulfide	76		3.060					
28 Methyl acetate	43		3.273					
29 Methylene Chloride	84		3.371					9
31 Methyl tert-butyl ether	73		3.602					
32 trans-1,2-Dichloroethene	96	3.615	3.608	0.007	78	4122	0.4134	
36 1,1-Dichloroethane	63	4.029	4.017	0.012	85	155562	9.31	
43 cis-1,2-Dichloroethene	96	4.584	4.572	0.012	71	355608	36.1	
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					
51 1,1,1-Trichloroethane	97	5.023	5.011	0.012	81	12580	1.13	
52 Cyclohexane	56		5.029					9
53 Carbon tetrachloride	117		5.157					
56 Benzene	78		5.364					
57 1,2-Dichloroethane	62		5.419					
61 Trichloroethene	95	5.980	5.974	0.006	71	2894	0.3049	
62 Methylcyclohexane	83		6.108					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.206					9
67 Dichlorobromomethane	83		6.492					
72 cis-1,3-Dichloropropene	75		6.913					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					
74 Toluene	92		7.211					9
76 trans-1,3-Dichloropropene	75		7.474					9
79 1,1,2-Trichloroethane	83		7.663					9
80 Tetrachloroethene	166		7.754					
82 2-Hexanone	43		7.888					
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.175					
86 Chlorobenzene	112		8.656					9
89 Ethylbenzene	91		8.754					
90 m-Xylene & p-Xylene	106		8.876					
91 o-Xylene	106		9.302					9
92 Styrene	104		9.327					9
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680					9
98 1,1,2,2-Tetrachloroethane	83		10.052					9
110 1,3-Dichlorobenzene	146		10.930					9
113 1,4-Dichlorobenzene	146		11.016					9
116 1,2-Dichlorobenzene	146		11.369					
117 1,2-Dibromo-3-Chloropropane	75		12.082					
119 1,2,4-Trichlorobenzene	180		12.771					9
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 12:45:48

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15799.D

Injection Date: 19-Oct-2012 00:33:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973G

Lims Batch ID: 86338

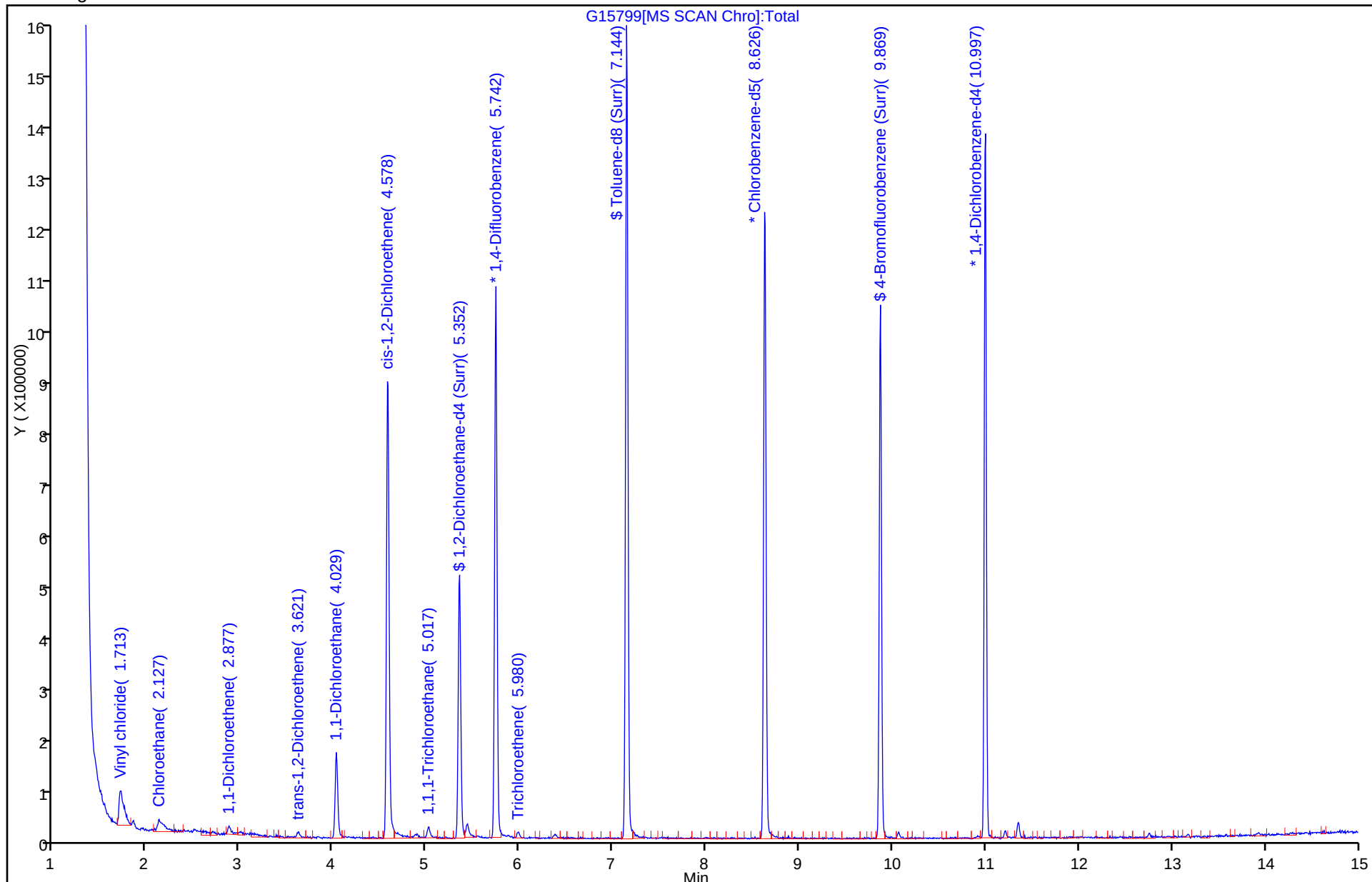
Lims Sample ID: 8

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 19-Oct-2012 12:45:48

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15799.D

Injection Date: 19-Oct-2012 00:33:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973G

Lims Batch ID: 86338

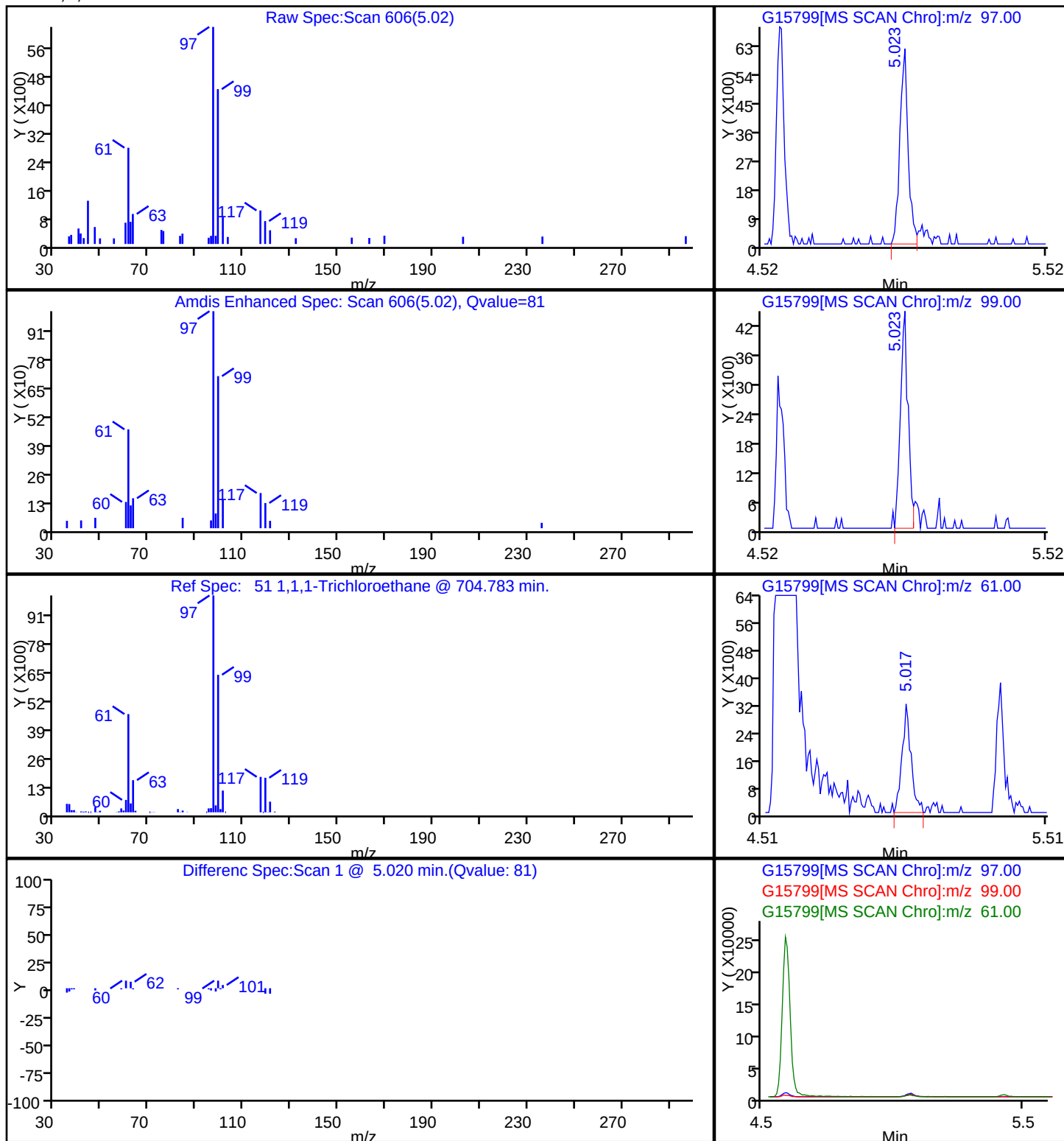
Lims Sample ID: 8

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

51 1,1,1-Trichloroethane



Report Date: 19-Oct-2012 12:45:48

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15799.D

Injection Date: 19-Oct-2012 00:33:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973G

Lims Batch ID: 86338

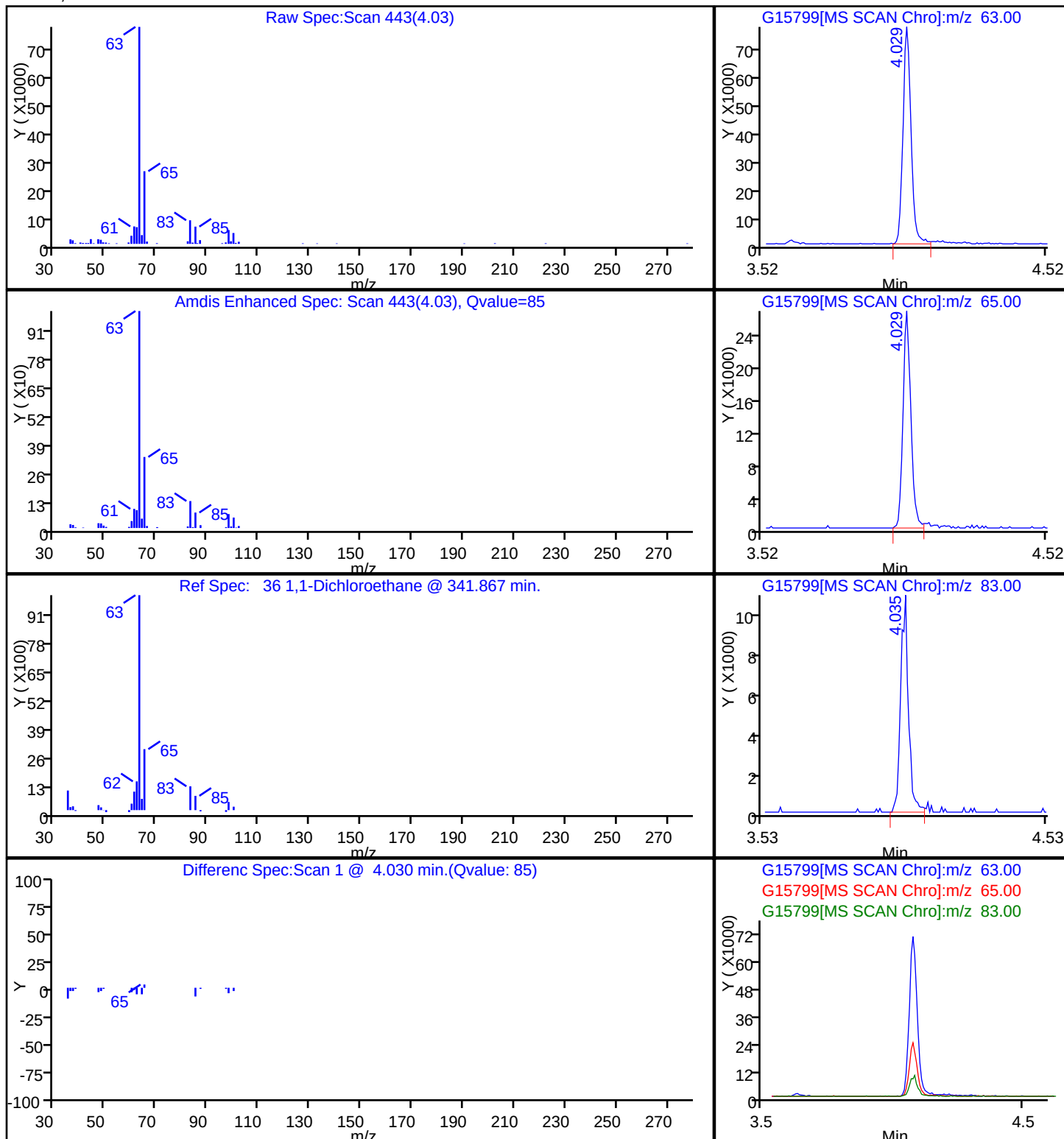
Lims Sample ID: 8

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



Report Date: 19-Oct-2012 12:45:48

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15799.D

Injection Date: 19-Oct-2012 00:33:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973G

Lims Batch ID: 86338

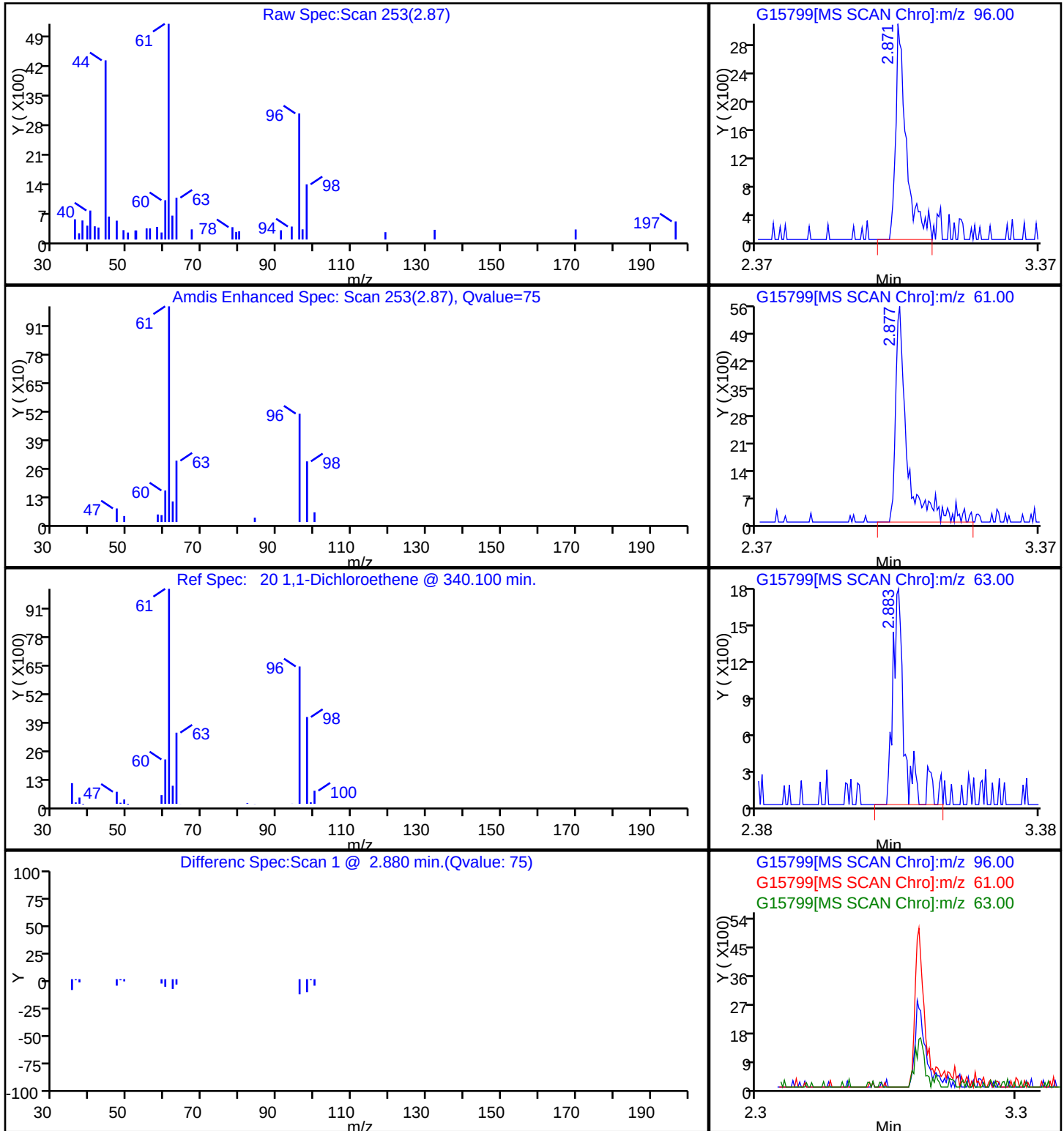
Lims Sample ID: 8

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

20 1,1-Dichloroethene



Report Date: 19-Oct-2012 12:45:48

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15799.D

Injection Date: 19-Oct-2012 00:33:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973G

Lims Batch ID: 86338

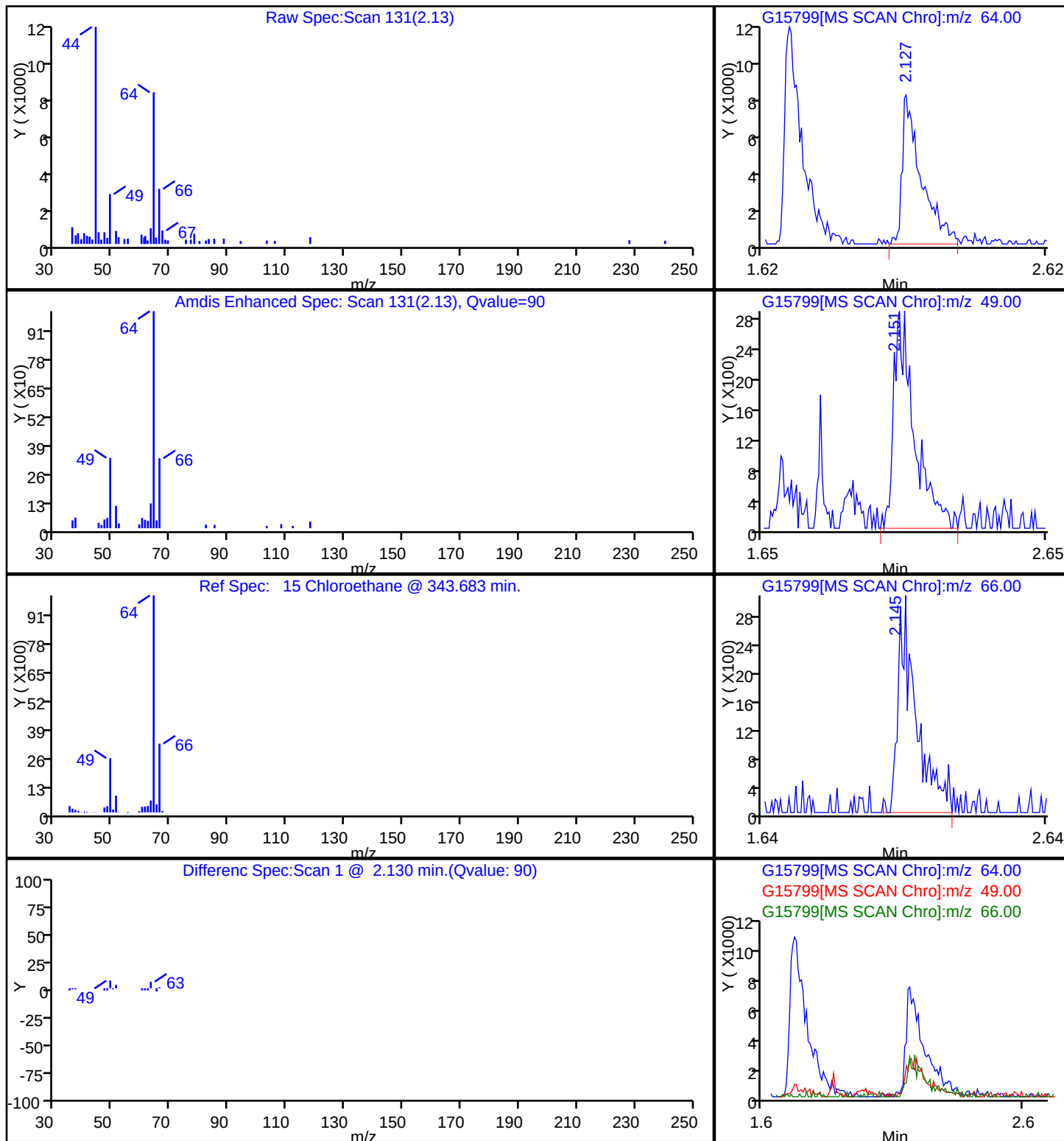
Lims Sample ID: 8

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



Report Date: 19-Oct-2012 12:45:48

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15799.D

Injection Date: 19-Oct-2012 00:33:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973G

Lims Batch ID: 86338

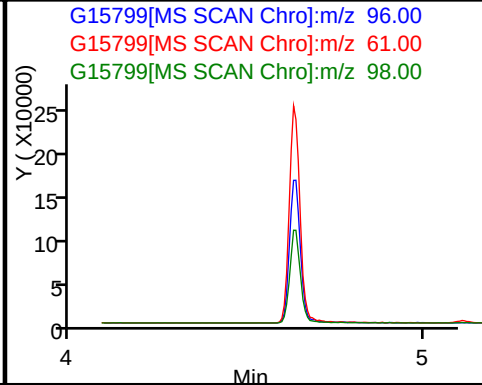
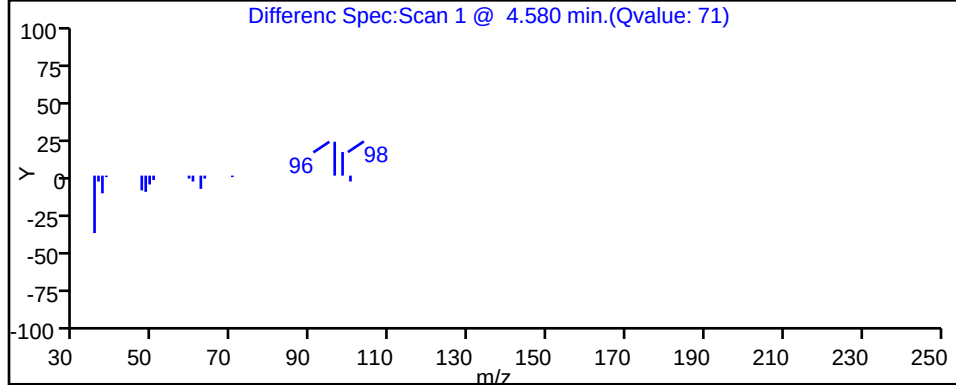
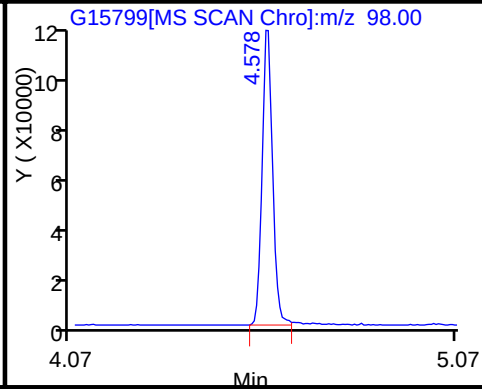
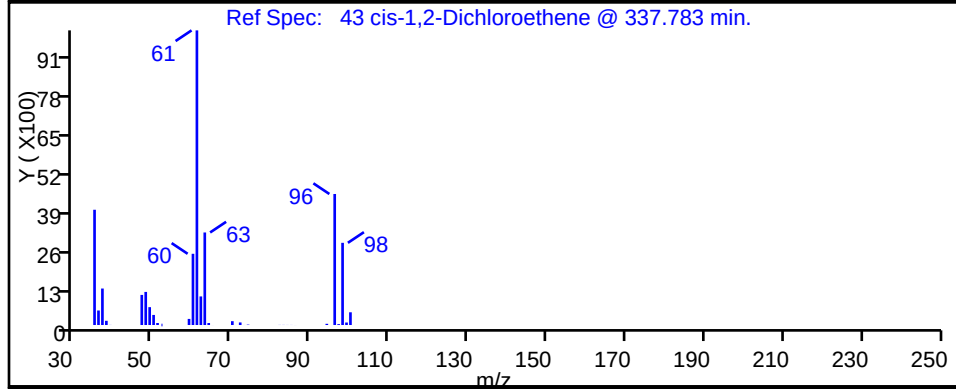
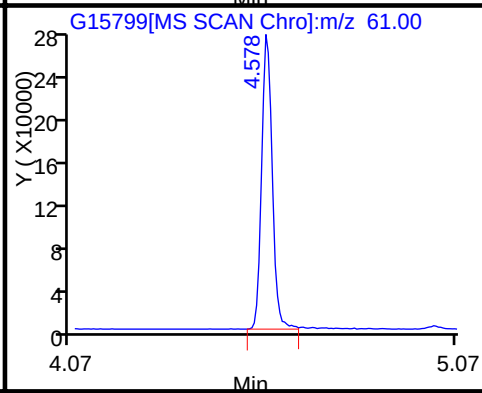
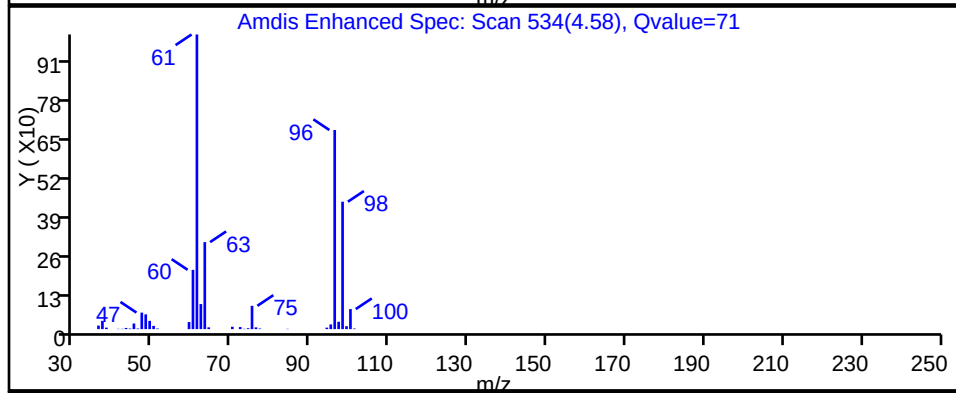
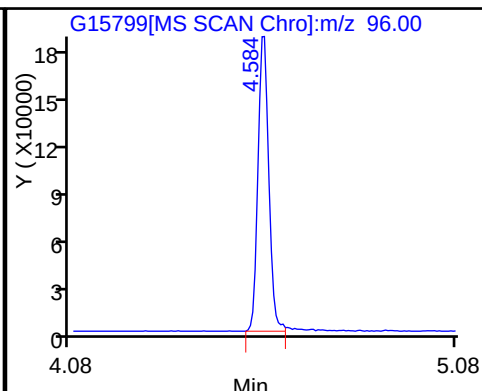
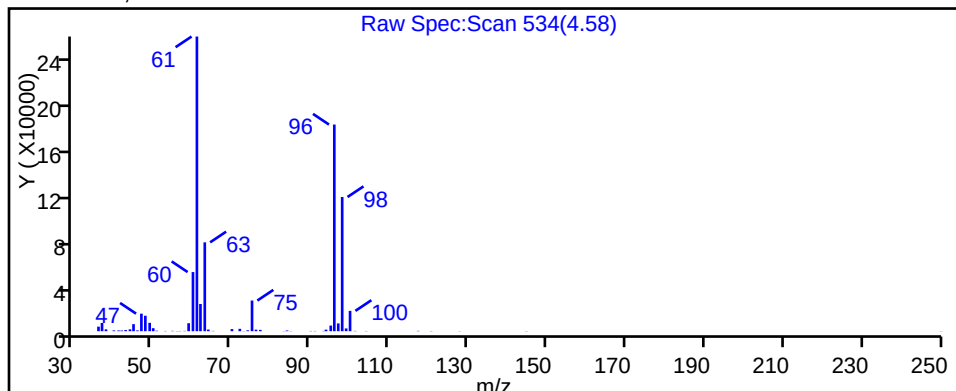
Lims Sample ID: 8

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

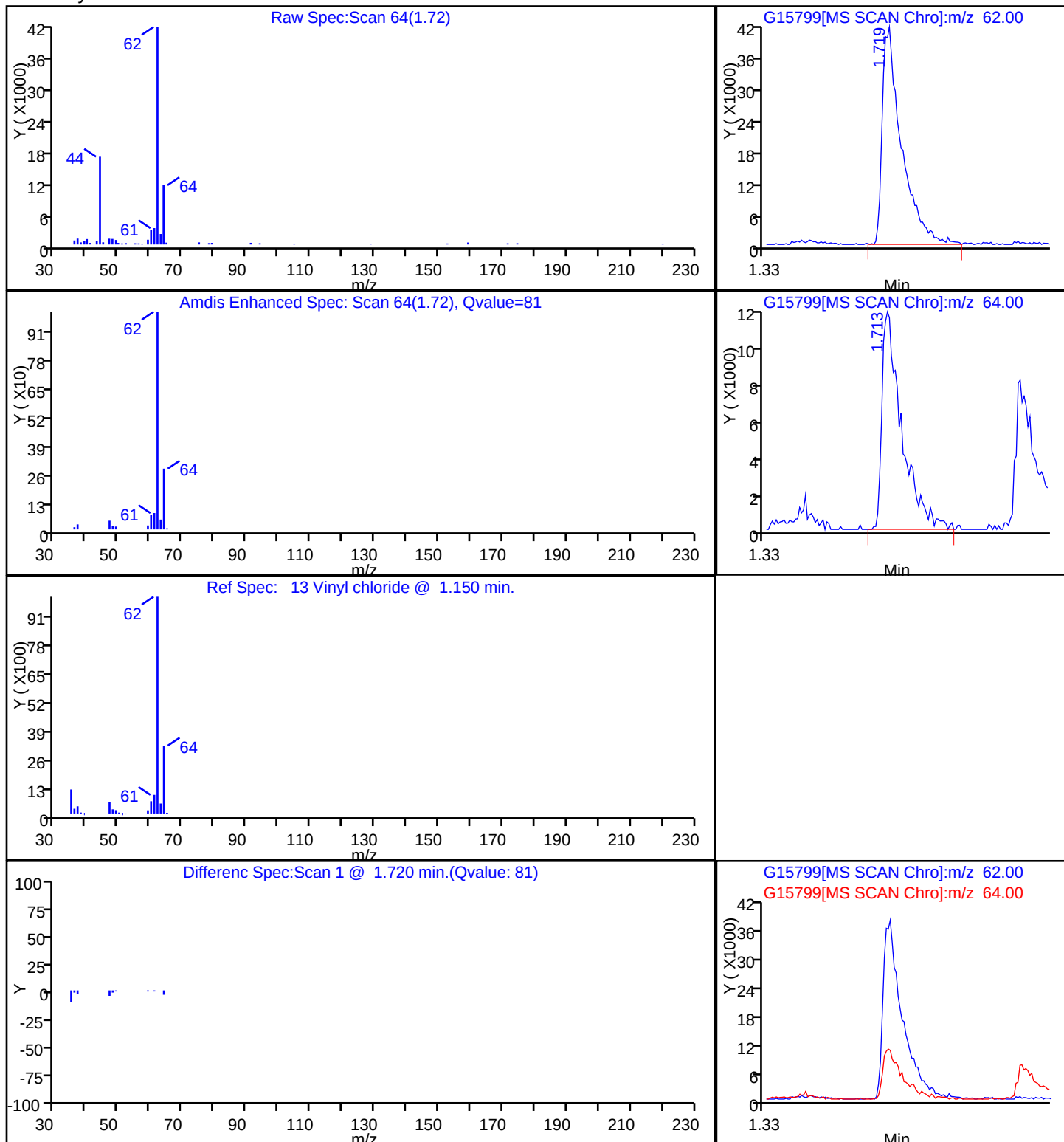
43 cis-1,2-Dichloroethene



Report Date: 19-Oct-2012 12:45:48
Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15799.D
Injection Date: 19-Oct-2012 00:33:30
Client ID: MW-11
Lims Batch ID: 86338
Operator ID: RAL
Column Type: ZB-624

Chrom Revision: 2.0 17-Jul-2012 17:32:54
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973G
Lims Sample ID: 8
Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1

SDG No.: _____

Client Sample ID: MW-10 Lab Sample ID: 480-26599-3

Matrix: Ground Water Lab File ID: G15800.D

Analysis Method: 8260B Date Collected: 10/11/2012 11:50

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 00:56

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.: 86338 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.: 480-26599-1
 SDG No.: _____
 Client Sample ID: MW-10 Lab Sample ID: 480-26599-3
 Matrix: Ground Water Lab File ID: G15800.D
 Analysis Method: 8260B Date Collected: 10/11/2012 11:50
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 00:56
 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.: 86338 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)	121		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	115		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15800.D
 Lims ID: 480-26599-A-3 Client ID: MW-10
 Inject. Date: 19-Oct-2012 00:56:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-26599-A-3
 Misc. Info.: 480-0015862-009 =480-0015862-009
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 86338 Lims Sample ID: 9
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 19-Oct-2012 06:17:21 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 19-Oct-2012 12:45:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	96	775104	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	397628	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	309236	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.346	0.006	0	177902	30.3	
\$ 5 Toluene-d8 (Surr)	98	7.145	7.144	0.0	94	996571	28.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.870	9.869	0.001	78	224156	22.7	
10 Dichlorodifluoromethane	85		1.420					
12 Chloromethane	50		1.609					9
13 Vinyl chloride	62		1.700					
14 Bromomethane	94		2.011					
15 Chloroethane	64		2.121					
17 Trichlorofluoromethane	101		2.347					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.853					
20 1,1-Dichloroethene	96		2.865					
22 Acetone	43		2.974					
24 Carbon disulfide	76		3.060					
28 Methyl acetate	43		3.273					
29 Methylene Chloride	84		3.371					9
31 Methyl tert-butyl ether	73		3.602					9
32 trans-1,2-Dichloroethene	96		3.608					
36 1,1-Dichloroethane	63		4.017					
43 cis-1,2-Dichloroethene	96		4.572					
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					
51 1,1,1-Trichloroethane	97		5.011					9
52 Cyclohexane	56		5.029					9
53 Carbon tetrachloride	117		5.157					
56 Benzene	78		5.364					9
57 1,2-Dichloroethane	62		5.419					9
61 Trichloroethene	95		5.974					9
62 Methylcyclohexane	83		6.108					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.206					9
67 Dichlorobromomethane	83		6.492					
72 cis-1,3-Dichloropropene	75		6.913					9
73 4-Methyl-2-pentanone (MIBK)	43		7.047					9
74 Toluene	92		7.211					
76 trans-1,3-Dichloropropene	75		7.474					9
79 1,1,2-Trichloroethane	83		7.663					9
80 Tetrachloroethene	166		7.754					
82 2-Hexanone	43		7.888					
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.175					
86 Chlorobenzene	112		8.656					9
89 Ethylbenzene	91		8.754					
90 m-Xylene & p-Xylene	106		8.876					
91 o-Xylene	106		9.302					9
92 Styrene	104		9.327					
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680					9
98 1,1,2,2-Tetrachloroethane	83		10.052					
110 1,3-Dichlorobenzene	146		10.930					
113 1,4-Dichlorobenzene	146		11.016					
116 1,2-Dichlorobenzene	146		11.369					
117 1,2-Dibromo-3-Chloropropane	75		12.082					
119 1,2,4-Trichlorobenzene	180		12.771					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 12:45:54

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15800.D

Injection Date: 19-Oct-2012 00:56:30

Limit Group: MV - 8260B ICAL

Client ID: MW-10

Instrument ID: HP5973G

Lims Batch ID: 86338

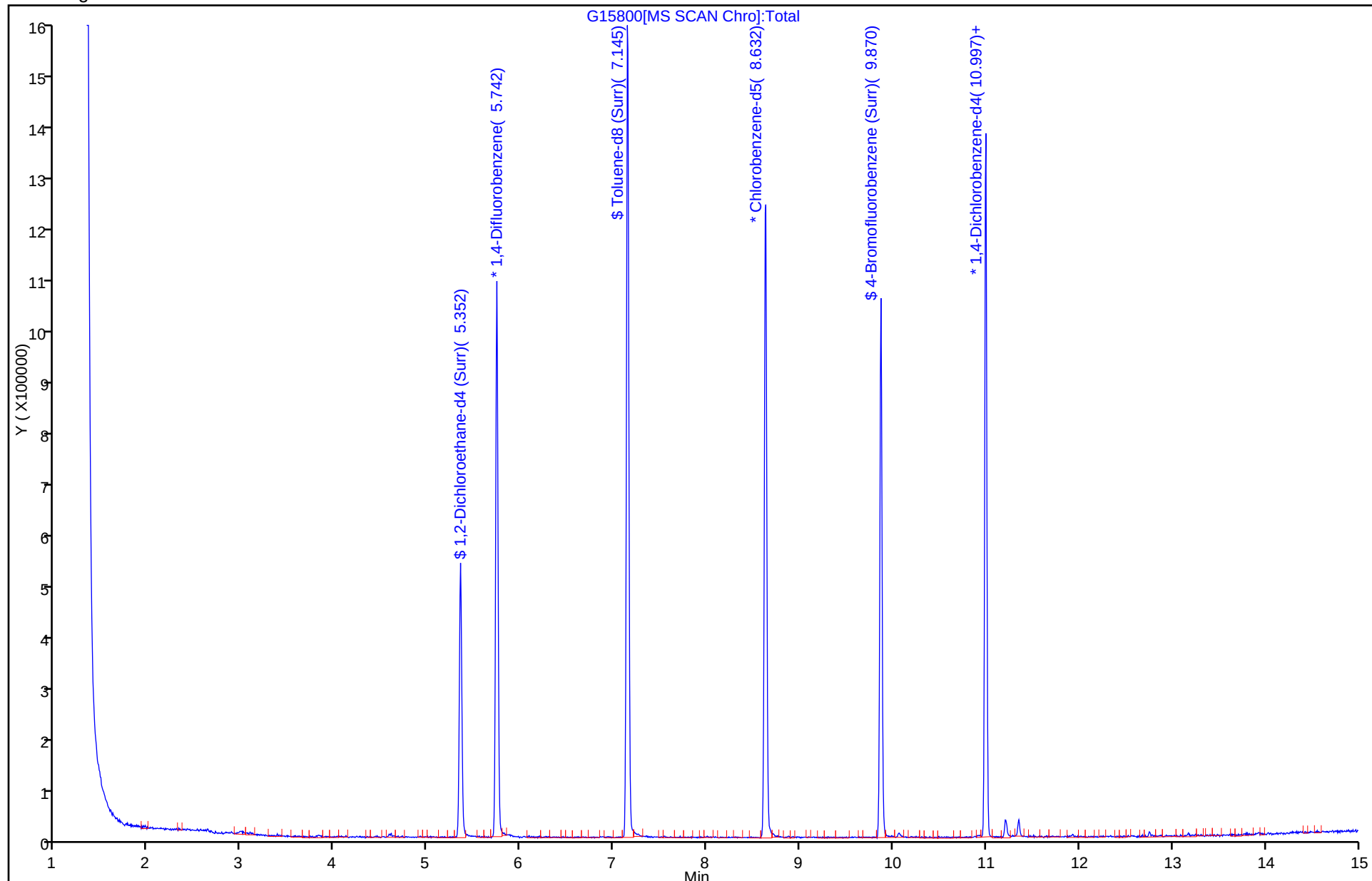
Lims Sample ID: 9

Operator ID: RAL

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.: 480-26599-1

SDG No.: _____

Client Sample ID: MW-6 Lab Sample ID: 480-26599-4

Matrix: Ground Water Lab File ID: G15801.D

Analysis Method: 8260B Date Collected: 10/11/2012 12:25

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 01:18

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.: 86338 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.: 480-26599-1
 SDG No.: _____
 Client Sample ID: MW-6 Lab Sample ID: 480-26599-4
 Matrix: Ground Water Lab File ID: G15801.D
 Analysis Method: 8260B Date Collected: 10/11/2012 12:25
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 01:18
 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.: 86338 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)	116		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	111		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15801.D
 Lims ID: 480-26599-A-4 Client ID: MW-6
 Inject. Date: 19-Oct-2012 01:18:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-26599-A-4
 Misc. Info.: 480-0015862-010 =480-0015862-010
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 86338 Lims Sample ID: 10
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 19-Oct-2012 12:46:02 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 19-Oct-2012 12:46:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	96	770148	25.0	
* 2 Chlorobenzene-d5	82	8.632	8.626	0.006	87	398981	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	321561	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.346	0.006	0	168821	29.0	
\$ 5 Toluene-d8 (Surr)	98	7.151	7.144	0.007	94	967770	27.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.870	9.869	0.001	78	226712	22.9	
10 Dichlorodifluoromethane	85		1.420					
12 Chloromethane	50		1.609					
13 Vinyl chloride	62		1.700					9
14 Bromomethane	94		2.011					
15 Chloroethane	64		2.121					
17 Trichlorofluoromethane	101		2.347					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.853					
20 1,1-Dichloroethene	96		2.865					9
22 Acetone	43		2.974					
24 Carbon disulfide	76		3.060					
28 Methyl acetate	43		3.273					
29 Methylene Chloride	84		3.371					
31 Methyl tert-butyl ether	73		3.602					
32 trans-1,2-Dichloroethene	96		3.608					9
36 1,1-Dichloroethane	63		4.017					9
43 cis-1,2-Dichloroethene	96		4.572					9
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					
51 1,1,1-Trichloroethane	97		5.011					
52 Cyclohexane	56		5.029					
53 Carbon tetrachloride	117		5.157					
56 Benzene	78		5.364					9
57 1,2-Dichloroethane	62		5.419					9
61 Trichloroethene	95		5.974					9
62 Methylcyclohexane	83		6.108					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.206					9
67 Dichlorobromomethane	83		6.492					9
72 cis-1,3-Dichloropropene	75		6.913					9
73 4-Methyl-2-pentanone (MIBK)	43		7.047					
74 Toluene	92		7.211					
76 trans-1,3-Dichloropropene	75		7.474					9
79 1,1,2-Trichloroethane	83		7.663					
80 Tetrachloroethene	166		7.754					
82 2-Hexanone	43		7.888					
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.175					
86 Chlorobenzene	112		8.656					9
89 Ethylbenzene	91		8.754					
90 m-Xylene & p-Xylene	106		8.876					
91 o-Xylene	106		9.302					9
92 Styrene	104		9.327					9
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680					9
98 1,1,2,2-Tetrachloroethane	83		10.052					
110 1,3-Dichlorobenzene	146		10.930					
113 1,4-Dichlorobenzene	146		11.016					
116 1,2-Dichlorobenzene	146		11.369					
117 1,2-Dibromo-3-Chloropropane	75		12.082					
119 1,2,4-Trichlorobenzene	180		12.771					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 12:46:02

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15801.D

Injection Date: 19-Oct-2012 01:18:30

Limit Group: MV - 8260B ICAL

Client ID: MW-6

Instrument ID: HP5973G

Lims Batch ID: 86338

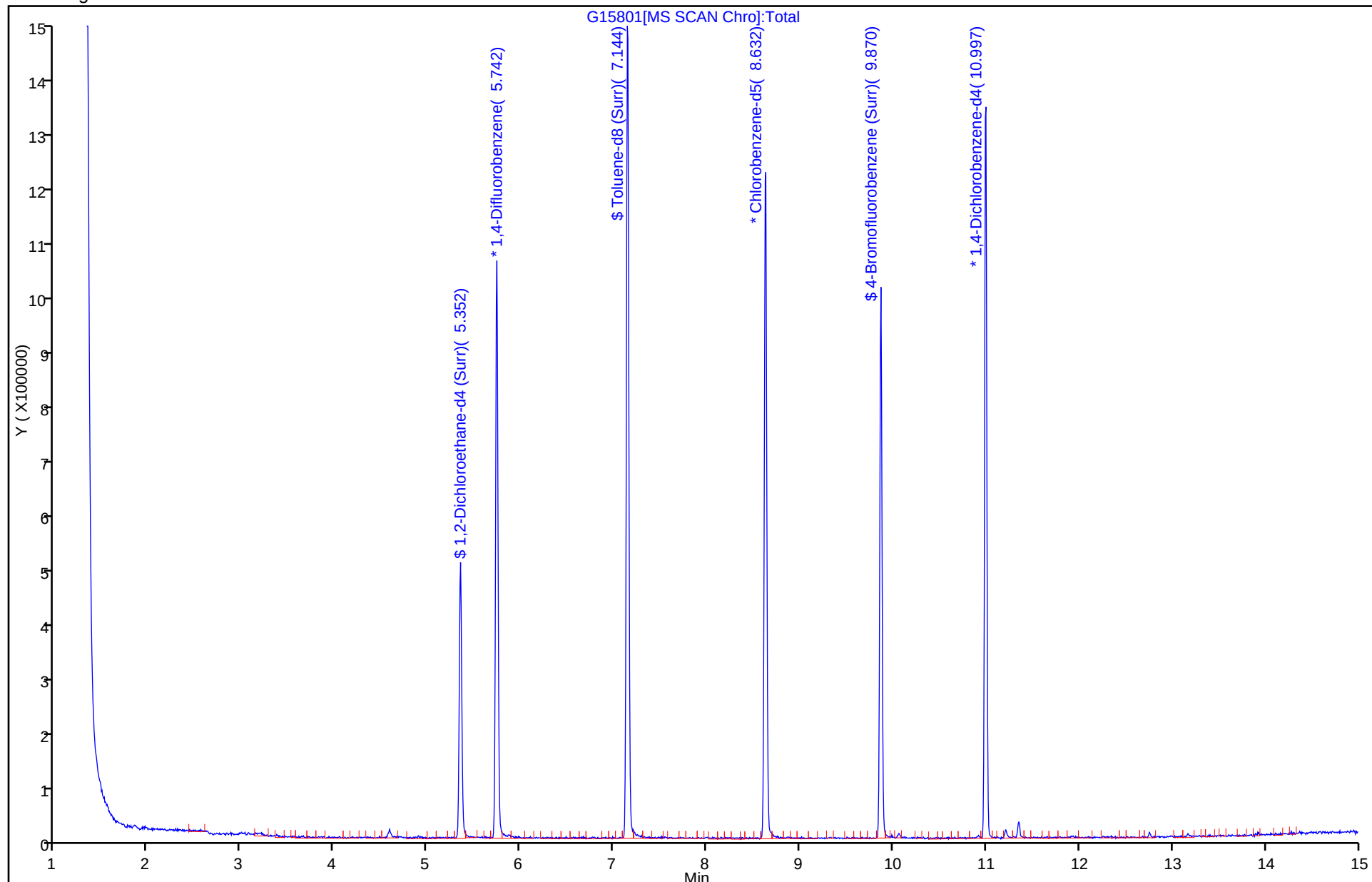
Lims Sample ID: 10

Operator ID: RAL

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.: 480-26599-1

SDG No.: _____

Client Sample ID: MW-12 Lab Sample ID: 480-26599-5

Matrix: Ground Water Lab File ID: G15802.D

Analysis Method: 8260B Date Collected: 10/11/2012 13:50

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 01:41

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.: 86338 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	0.49	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	1.5		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	20		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	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.: 480-26599-1
 SDG No.: _____
 Client Sample ID: MW-12 Lab Sample ID: 480-26599-5
 Matrix: Ground Water Lab File ID: G15802.D
 Analysis Method: 8260B Date Collected: 10/11/2012 13:50
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 01:41
 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.: 86338 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	2.1		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		66-137
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
2037-26-5	Toluene-d8 (Surr)	107		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15802.D
 Lims ID: 480-26599-A-5 Client ID: MW-12
 Inject. Date: 19-Oct-2012 01:41:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-26599-A-5
 Misc. Info.: 480-0015862-011 =480-0015862-011
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 86338 Lims Sample ID: 11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 19-Oct-2012 12:46:02 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 19-Oct-2012 12:46:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	96	799727	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	415647	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	320581	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.346	0.006	0	176208	29.1	
\$ 5 Toluene-d8 (Surr)	98	7.151	7.144	0.007	94	974498	26.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.870	9.869	0.001	79	229104	22.2	
10 Dichlorodifluoromethane	85		1.420					
12 Chloromethane	50		1.609					9
13 Vinyl chloride	62	1.725	1.700	0.025	62	23151	2.07	
14 Bromomethane	94		2.011					9
15 Chloroethane	64	2.145	2.121	0.024	94	113025	19.8	
17 Trichlorofluoromethane	101		2.347					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.853					
20 1,1-Dichloroethene	96		2.865					9
22 Acetone	43		2.974					
24 Carbon disulfide	76		3.060					
28 Methyl acetate	43		3.273					
29 Methylene Chloride	84		3.371					9
31 Methyl tert-butyl ether	73		3.602					
32 trans-1,2-Dichloroethene	96		3.608					
36 1,1-Dichloroethane	63		4.017					9
43 cis-1,2-Dichloroethene	96		4.572					9
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					9
52 Cyclohexane	56		5.029					9
53 Carbon tetrachloride	117		5.157					
56 Benzene	78	5.370	5.364	0.006	89	57558	1.52	
57 1,2-Dichloroethane	62	5.425	5.419	0.006	70	7414	0.4859	
61 Trichloroethene	95		5.974					9
62 Methylcyclohexane	83		6.108					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.206					9
67 Dichlorobromomethane	83		6.492					
72 cis-1,3-Dichloropropene	75		6.913					9
73 4-Methyl-2-pentanone (MIBK)	43		7.047					
74 Toluene	92		7.211					
76 trans-1,3-Dichloropropene	75		7.474					9
79 1,1,2-Trichloroethane	83		7.663					
80 Tetrachloroethene	166		7.754					
82 2-Hexanone	43		7.888					
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.175					
86 Chlorobenzene	112		8.656					9
89 Ethylbenzene	91		8.754					9
90 m-Xylene & p-Xylene	106		8.876					9
91 o-Xylene	106		9.302					9
92 Styrene	104		9.327					9
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680					
98 1,1,2,2-Tetrachloroethane	83		10.052					
110 1,3-Dichlorobenzene	146		10.930					
113 1,4-Dichlorobenzene	146		11.016					9
116 1,2-Dichlorobenzene	146		11.369					
117 1,2-Dibromo-3-Chloropropane	75		12.082					
119 1,2,4-Trichlorobenzene	180		12.771					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 12:46:17

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15802.D

Injection Date: 19-Oct-2012 01:41:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973G

Lims Batch ID: 86338

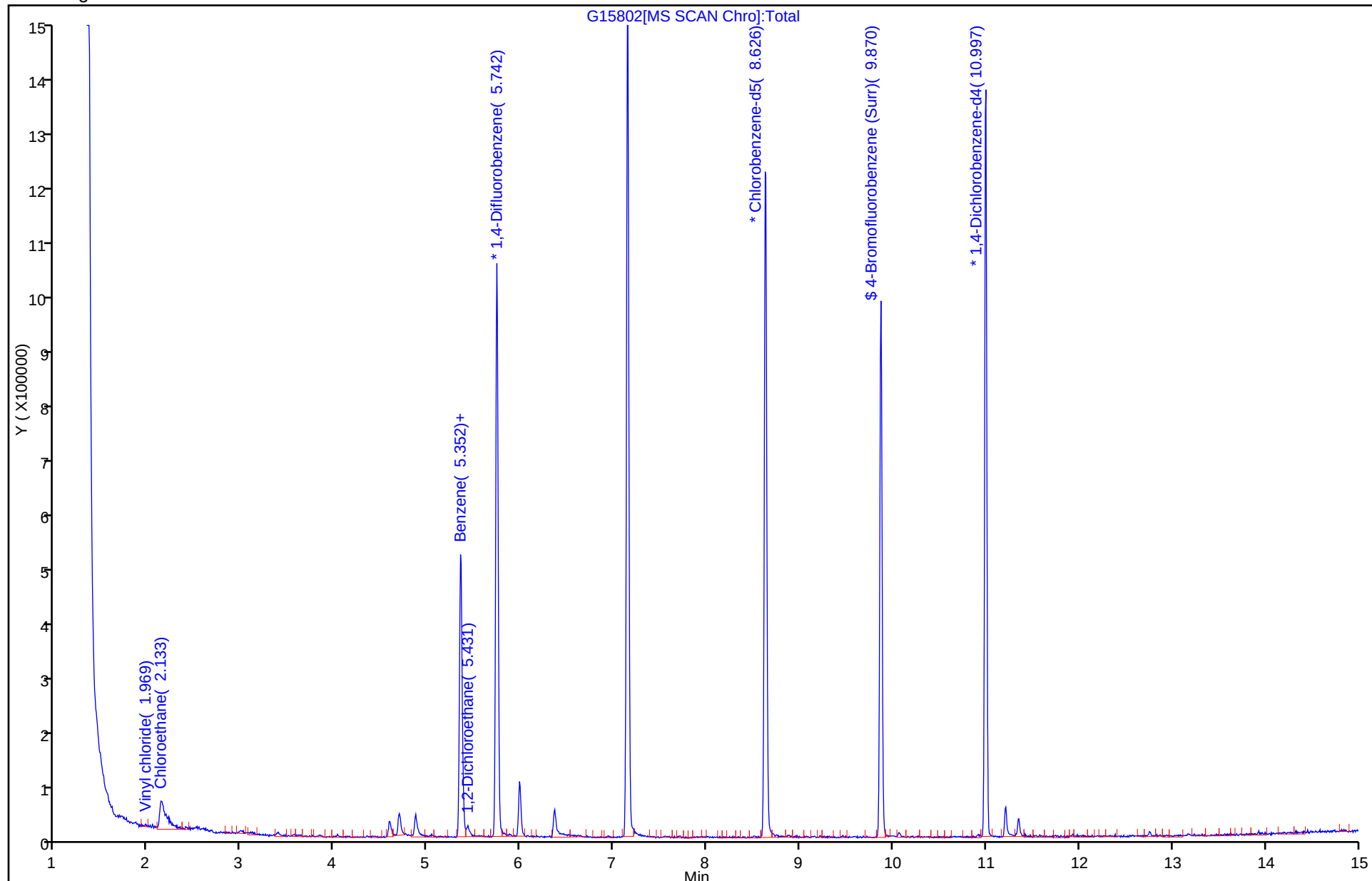
Lims Sample ID: 11

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 19-Oct-2012 12:46:17

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15802.D

Injection Date: 19-Oct-2012 01:41:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973G

Lims Batch ID: 86338

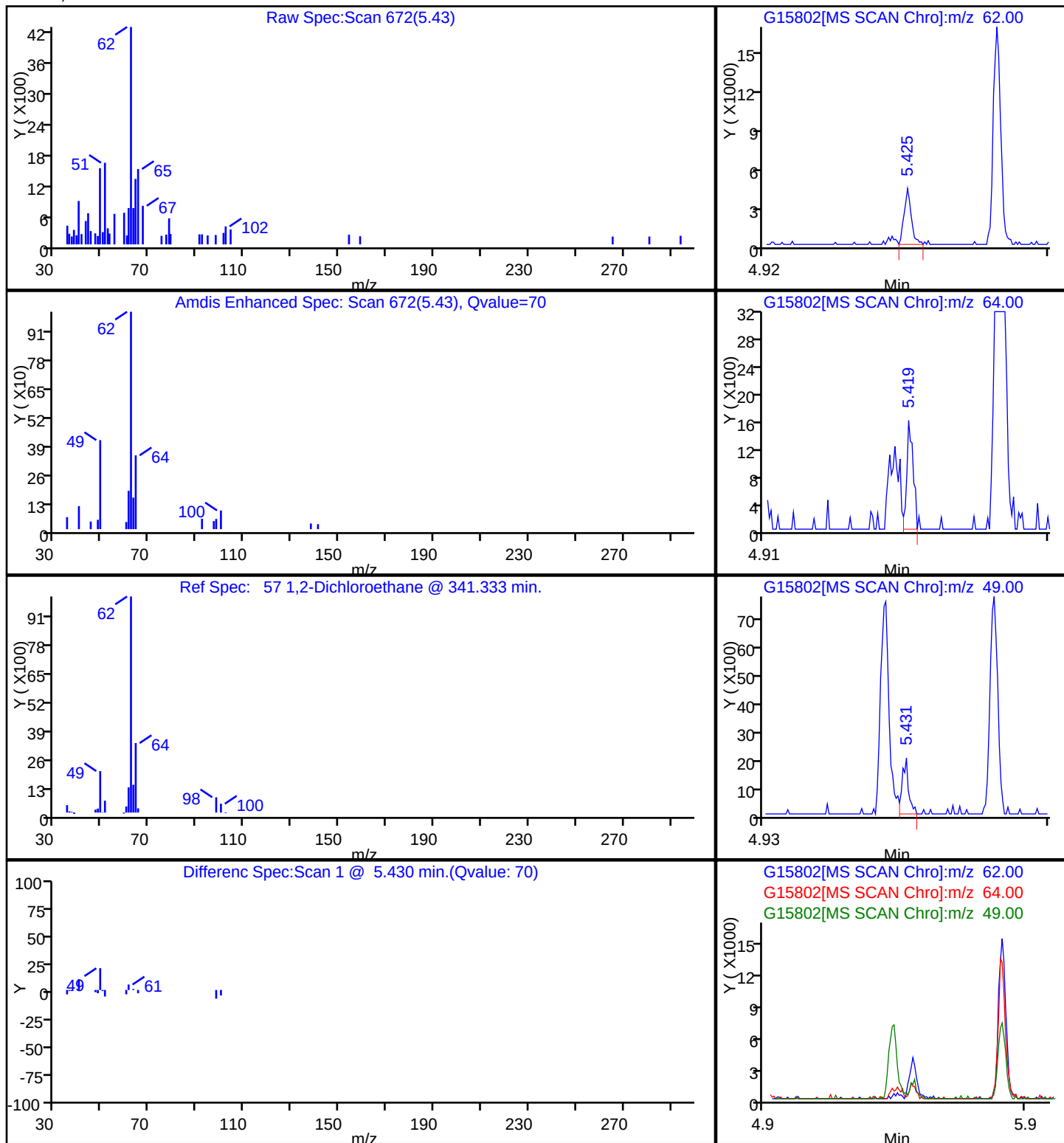
Lims Sample ID: 11

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

57 1,2-Dichloroethane



Report Date: 19-Oct-2012 12:46:17

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15802.D

Injection Date: 19-Oct-2012 01:41:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973G

Lims Batch ID: 86338

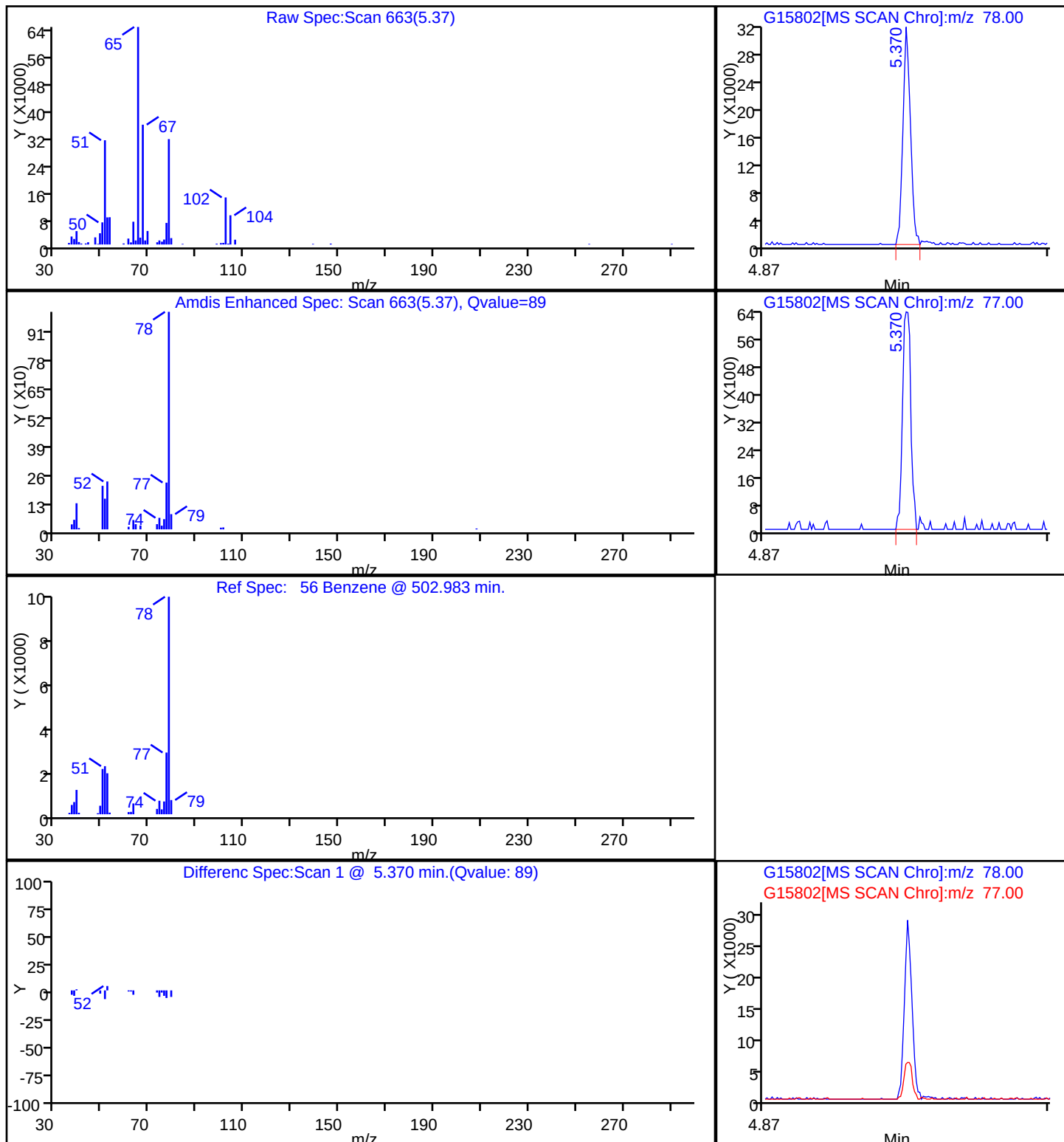
Lims Sample ID: 11

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

56 Benzene



Report Date: 19-Oct-2012 12:46:17

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15802.D

Injection Date: 19-Oct-2012 01:41:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973G

Lims Batch ID: 86338

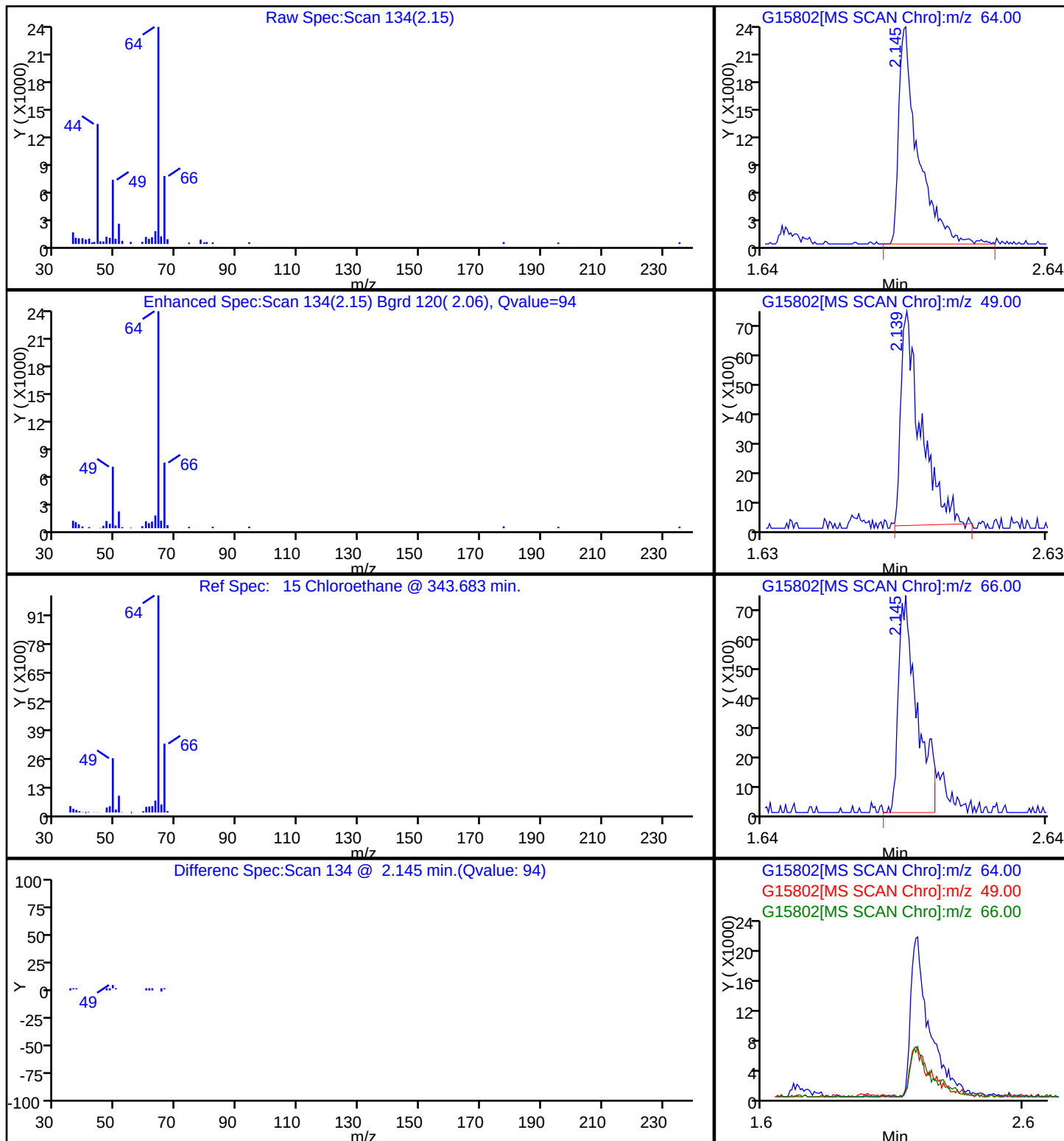
Lims Sample ID: 11

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



Report Date: 19-Oct-2012 12:46:17

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15802.D

Injection Date: 19-Oct-2012 01:41:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973G

Lims Batch ID: 86338

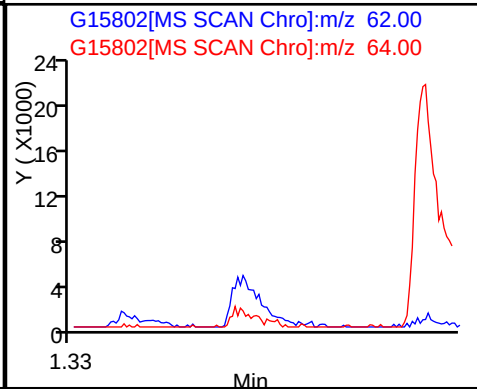
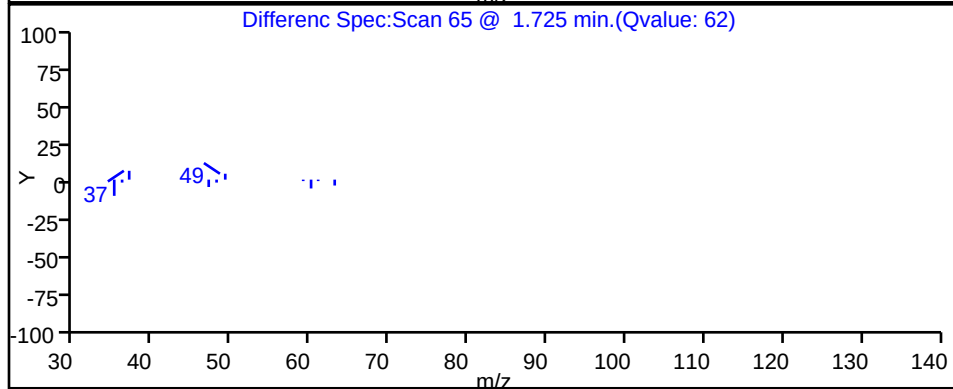
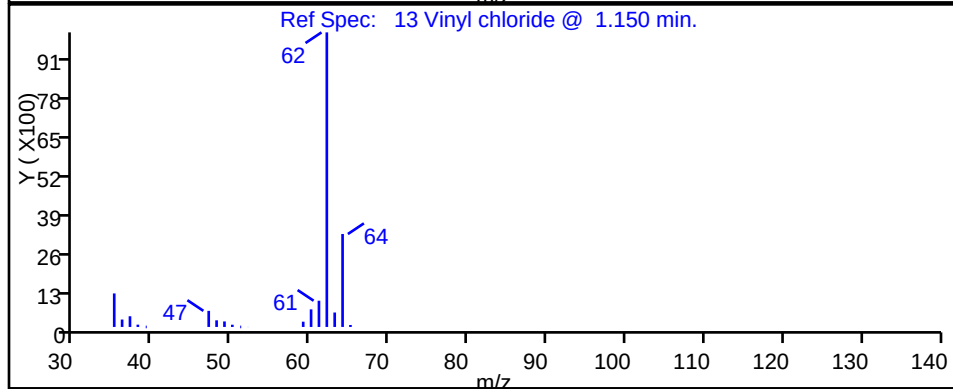
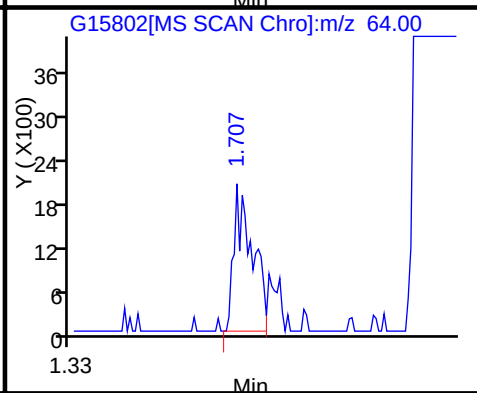
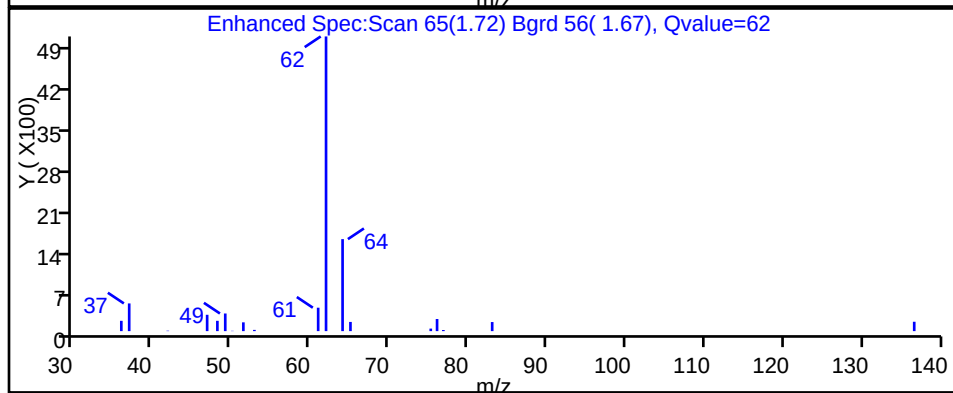
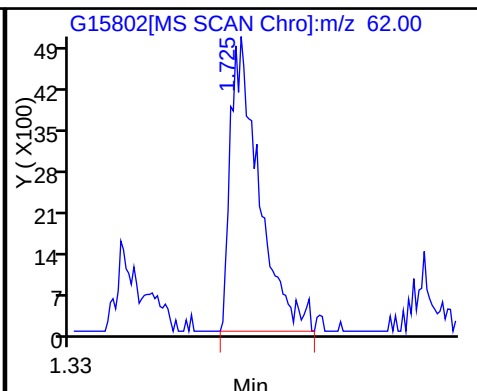
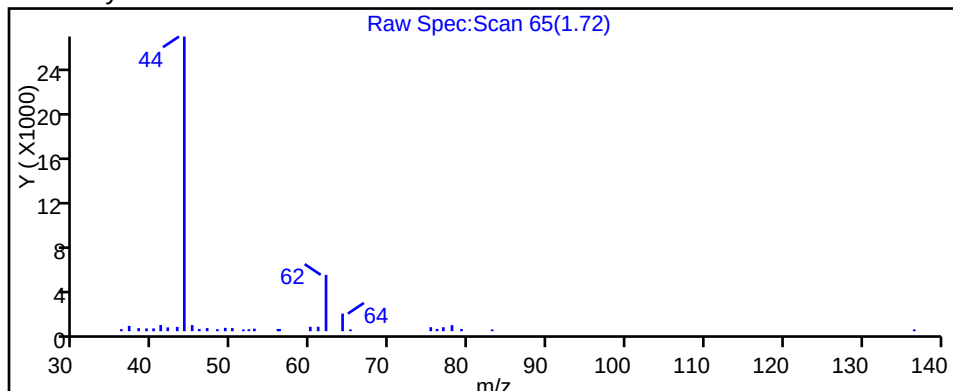
Lims Sample ID: 11

Operator ID: RAL

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.: 480-26599-1

SDG No.: _____

Client Sample ID: MW-3 Lab Sample ID: 480-26599-6

Matrix: Ground Water Lab File ID: G15803.D

Analysis Method: 8260B Date Collected: 10/11/2012 14:30

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 02:03

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.: 86338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	6.6		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	9.5		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	2.8		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.: 480-26599-1
 SDG No.: _____
 Client Sample ID: MW-3 Lab Sample ID: 480-26599-6
 Matrix: Ground Water Lab File ID: G15803.D
 Analysis Method: 8260B Date Collected: 10/11/2012 14:30
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 02:03
 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.: 86338 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	44		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		66-137
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
2037-26-5	Toluene-d8 (Surr)	109		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15803.D
 Lims ID: 480-26599-A-6 Client ID: MW-3
 Inject. Date: 19-Oct-2012 02:03:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-26599-A-6
 Misc. Info.: 480-0015862-012 =480-0015862-012
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 86338 Lims Sample ID: 12
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 19-Oct-2012 12:46:02 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 19-Oct-2012 12:47:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	96	792628	25.0	
* 2 Chlorobenzene-d5	82	8.632	8.626	0.006	88	407068	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	320665	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.346	0.006	0	170755	28.5	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.144	0.0	94	970689	27.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.869	0.0	77	221430	22.0	
10 Dichlorodifluoromethane	85		1.420					
12 Chloromethane	50		1.609					
13 Vinyl chloride	62	1.719	1.700	0.019	82	488450	44.0	
14 Bromomethane	94		2.011					9
15 Chloroethane	64	2.139	2.121	0.018	89	54094	9.51	
17 Trichlorofluoromethane	101		2.347					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.853					
20 1,1-Dichloroethene	96		2.865					
22 Acetone	43		2.974					
24 Carbon disulfide	76		3.060					
28 Methyl acetate	43		3.273					
29 Methylene Chloride	84		3.371					
31 Methyl tert-butyl ether	73		3.602					9
32 trans-1,2-Dichloroethene	96	3.627	3.608	0.019	59	2190	0.2204	
36 1,1-Dichloroethane	63	4.035	4.017	0.018	85	110279	6.62	
43 cis-1,2-Dichloroethene	96	4.584	4.572	0.012	70	27257	2.77	
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					
51 1,1,1-Trichloroethane	97		5.011					
52 Cyclohexane	56		5.029					
53 Carbon tetrachloride	117		5.157					
56 Benzene	78		5.364					
57 1,2-Dichloroethane	62		5.419					9
61 Trichloroethene	95		5.974					9
62 Methylcyclohexane	83		6.108					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.206					9
67 Dichlorobromomethane	83		6.492					9
72 cis-1,3-Dichloropropene	75		6.913					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					
74 Toluene	92		7.211					
76 trans-1,3-Dichloropropene	75		7.474					
79 1,1,2-Trichloroethane	83		7.663					
80 Tetrachloroethene	166		7.754					
82 2-Hexanone	43		7.888					
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.175					
86 Chlorobenzene	112		8.656					9
89 Ethylbenzene	91		8.754					
90 m-Xylene & p-Xylene	106		8.876					
91 o-Xylene	106		9.302					
92 Styrene	104		9.327					9
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680					9
98 1,1,2,2-Tetrachloroethane	83		10.052					9
110 1,3-Dichlorobenzene	146		10.930					
113 1,4-Dichlorobenzene	146		11.016					
116 1,2-Dichlorobenzene	146		11.369					9
117 1,2-Dibromo-3-Chloropropane	75		12.082					
119 1,2,4-Trichlorobenzene	180		12.771					9
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 12:47:40

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15803.D

Injection Date: 19-Oct-2012 02:03:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973G

Lims Batch ID: 86338

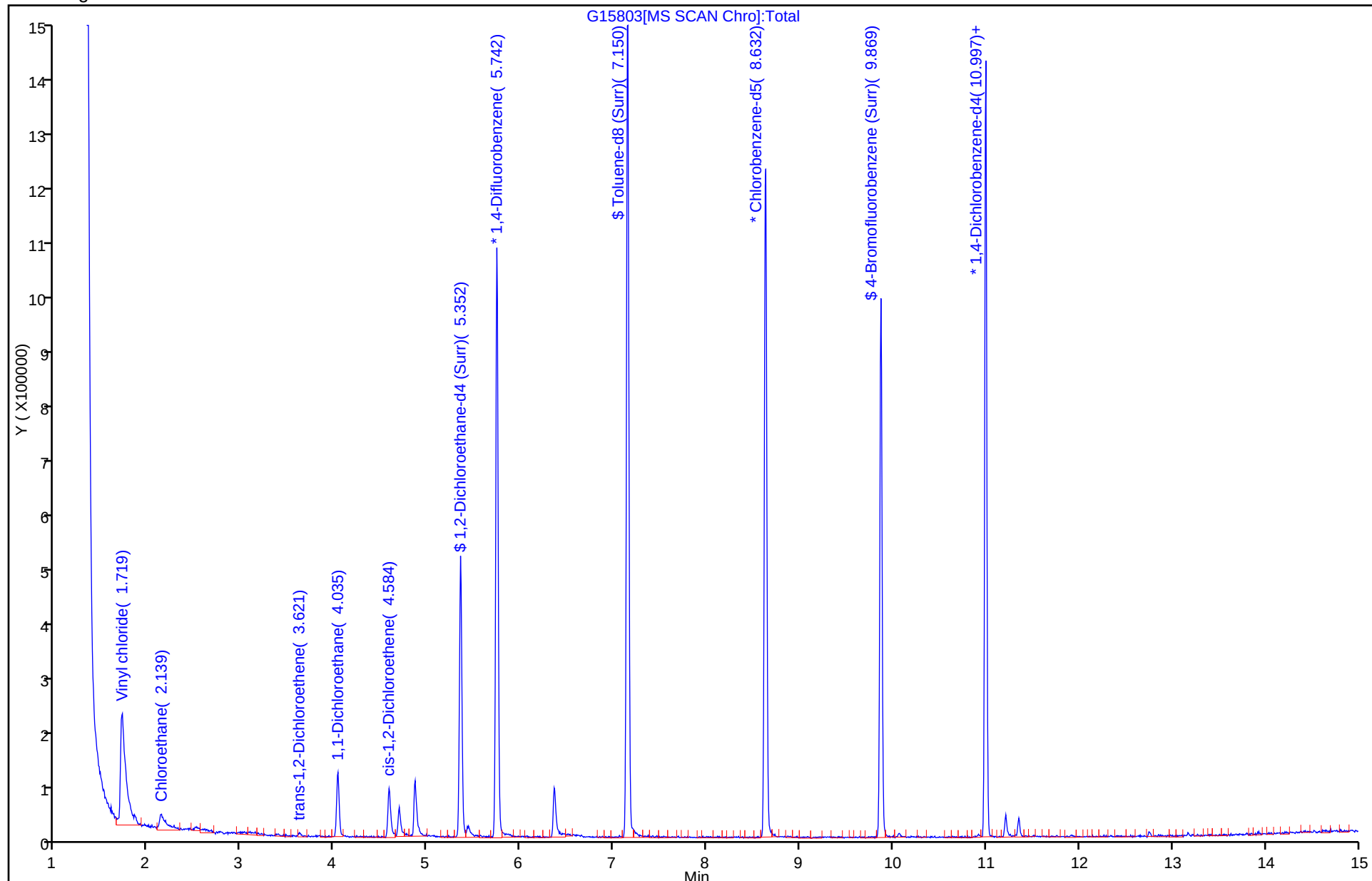
Lims Sample ID: 12

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 19-Oct-2012 12:47:40

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15803.D

Injection Date: 19-Oct-2012 02:03:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973G

Lims Batch ID: 86338

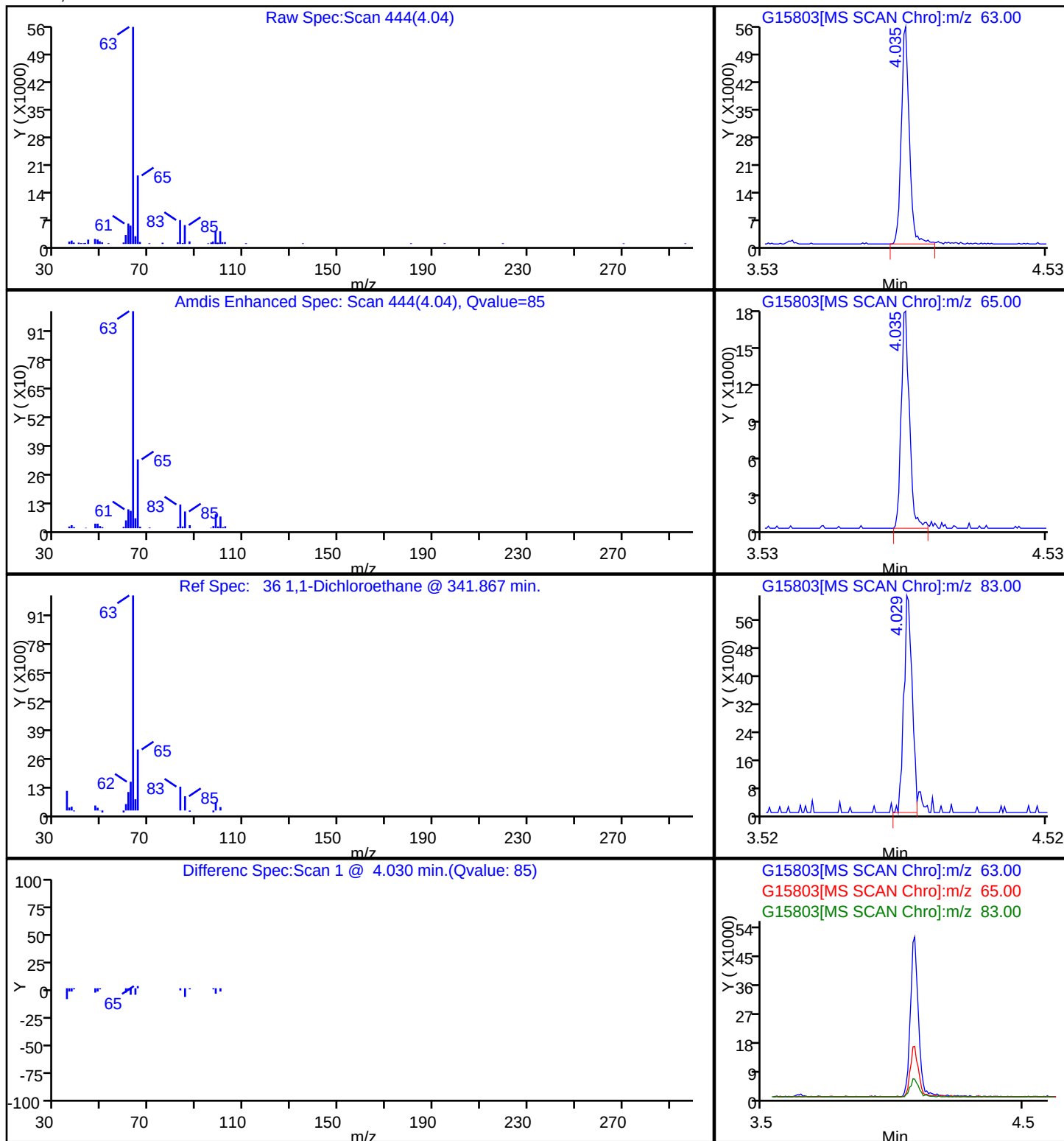
Lims Sample ID: 12

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



Report Date: 19-Oct-2012 12:47:40

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15803.D

Injection Date: 19-Oct-2012 02:03:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973G

Lims Batch ID: 86338

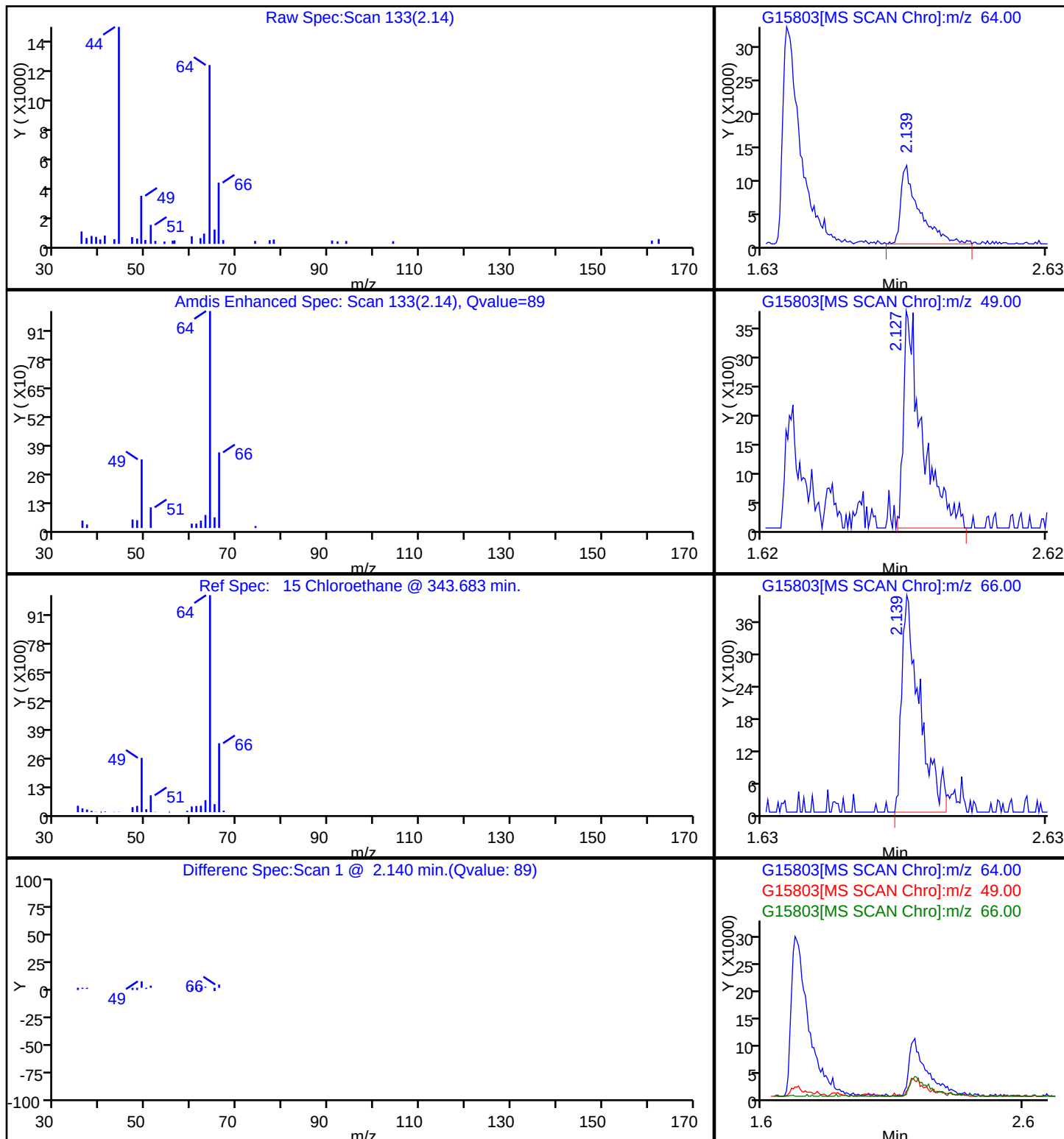
Lims Sample ID: 12

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



Report Date: 19-Oct-2012 12:47:40

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15803.D

Injection Date: 19-Oct-2012 02:03:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973G

Lims Batch ID: 86338

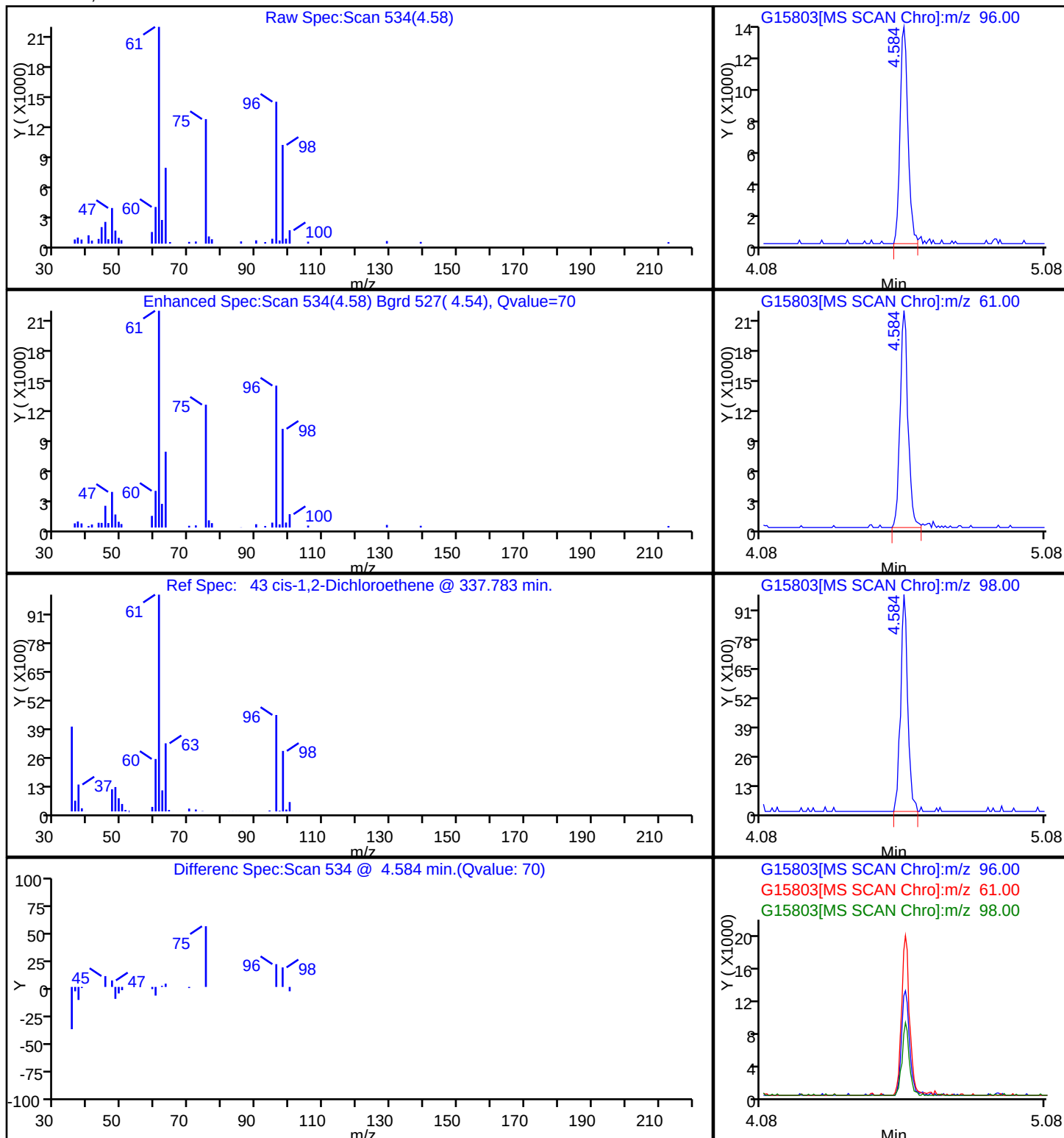
Lims Sample ID: 12

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



Report Date: 19-Oct-2012 12:47:40

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15803.D

Injection Date: 19-Oct-2012 02:03:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973G

Lims Batch ID: 86338

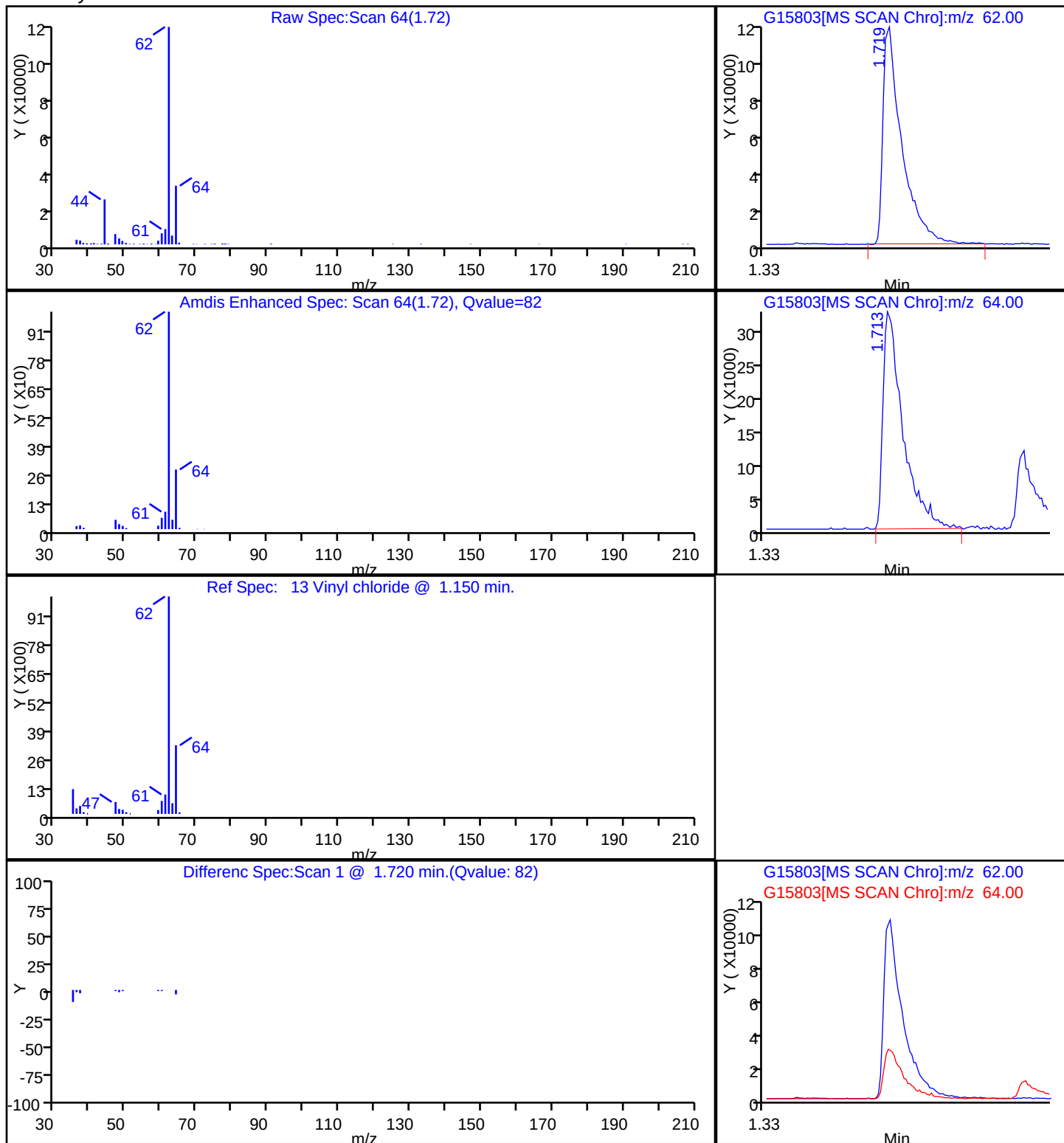
Lims Sample ID: 12

Operator ID: RAL

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.: 480-26599-1

SDG No.: _____

Client Sample ID: MW-13S Lab Sample ID: 480-26599-7

Matrix: Ground Water Lab File ID: G15804.D

Analysis Method: 8260B Date Collected: 10/12/2012 10:00

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 02:26

Soil Aliquot Vol: _____ Dilution Factor: 800

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

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

Analysis Batch No.: 86338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		800	660
79-34-5	1,1,2,2-Tetrachloroethane	ND		800	170
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		800	250
79-00-5	1,1,2-Trichloroethane	ND		800	180
75-34-3	1,1-Dichloroethane	ND		800	300
75-35-4	1,1-Dichloroethene	240	J	800	230
120-82-1	1,2,4-Trichlorobenzene	ND		800	330
96-12-8	1,2-Dibromo-3-Chloropropane	ND		800	310
106-93-4	1,2-Dibromoethane	ND		800	580
95-50-1	1,2-Dichlorobenzene	ND		800	630
107-06-2	1,2-Dichloroethane	ND		800	170
78-87-5	1,2-Dichloropropane	ND		800	580
541-73-1	1,3-Dichlorobenzene	ND		800	620
106-46-7	1,4-Dichlorobenzene	ND		800	670
78-93-3	2-Butanone (MEK)	ND		8000	1100
591-78-6	2-Hexanone	ND		4000	990
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		4000	1700
67-64-1	Acetone	ND		8000	2400
71-43-2	Benzene	ND		800	330
75-27-4	Bromodichloromethane	ND		800	310
75-25-2	Bromoform	ND		800	210
74-83-9	Bromomethane	ND		800	550
75-15-0	Carbon disulfide	ND		800	150
56-23-5	Carbon tetrachloride	ND		800	220
108-90-7	Chlorobenzene	ND		800	600
75-00-3	Chloroethane	ND		800	260
67-66-3	Chloroform	ND		800	270
74-87-3	Chloromethane	ND		800	280
156-59-2	cis-1,2-Dichloroethene	24000		800	650
10061-01-5	cis-1,3-Dichloropropene	ND		800	290
110-82-7	Cyclohexane	ND		800	140
124-48-1	Dibromochloromethane	ND		800	260
75-71-8	Dichlorodifluoromethane	ND		800	540
100-41-4	Ethylbenzene	ND		800	590
98-82-8	Isopropylbenzene	ND		800	630

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1
 SDG No.: _____
 Client Sample ID: MW-13S Lab Sample ID: 480-26599-7
 Matrix: Ground Water Lab File ID: G15804.D
 Analysis Method: 8260B Date Collected: 10/12/2012 10:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 02:26
 Soil Aliquot Vol: _____ Dilution Factor: 800
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 86338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		800	400
1634-04-4	Methyl tert-butyl ether	ND		800	130
108-87-2	Methylcyclohexane	ND		800	130
75-09-2	Methylene Chloride	ND		800	350
100-42-5	Styrene	ND		800	580
127-18-4	Tetrachloroethene	ND		800	290
108-88-3	Toluene	ND		800	410
156-60-5	trans-1,2-Dichloroethene	ND		800	720
10061-02-6	trans-1,3-Dichloropropene	ND		800	300
79-01-6	Trichloroethene	41000		800	370
75-69-4	Trichlorofluoromethane	ND		800	700
75-01-4	Vinyl chloride	ND		800	720
1330-20-7	Xylenes, Total	ND		1600	530

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
2037-26-5	Toluene-d8 (Surr)	115		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15804.D
 Lims ID: 480-26599-A-7 Client ID: MW-13S
 Inject. Date: 19-Oct-2012 02:26:30 Dil. Factor: 800.0000
 Sample Type: Client
 Sample ID: 480-26599-A-7
 Misc. Info.: 480-0015862-013 =480-0015862-013
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 86338 Lims Sample ID: 13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 19-Oct-2012 12:48:01 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 19-Oct-2012 12:48:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	96	780731	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	394048	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	311230	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.346	0.006	0	176579	29.9	
\$ 5 Toluene-d8 (Surr)	98	7.151	7.144	0.007	94	990659	28.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.870	9.869	0.001	78	230975	23.6	
10 Dichlorodifluoromethane	85		1.420					
12 Chloromethane	50		1.609					9
13 Vinyl chloride	62	1.713	1.700	0.013	30	4275	0.3908	
14 Bromomethane	94		2.011					9
15 Chloroethane	64		2.121					
17 Trichlorofluoromethane	101		2.347					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.853					
20 1,1-Dichloroethene	96	2.877	2.865	0.012	48	1864	0.3026	
22 Acetone	43		2.974					
24 Carbon disulfide	76		3.060					9
28 Methyl acetate	43		3.273					
29 Methylene Chloride	84	3.389	3.371	0.018	68	3096	0.2636	
31 Methyl tert-butyl ether	73		3.602					
32 trans-1,2-Dichloroethene	96		3.608					
36 1,1-Dichloroethane	63		4.017					9
43 cis-1,2-Dichloroethene	96	4.584	4.572	0.012	71	294193	30.4	
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					9
52 Cyclohexane	56		5.029					9
53 Carbon tetrachloride	117		5.157					
56 Benzene	78		5.364					
57 1,2-Dichloroethane	62		5.419					9
61 Trichloroethene	95	5.980	5.974	0.006	93	480914	51.6	
62 Methylcyclohexane	83		6.108					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.206					
67 Dichlorobromomethane	83		6.492					
72 cis-1,3-Dichloropropene	75		6.913					9
73 4-Methyl-2-pentanone (MIBK)	43		7.047					
74 Toluene	92		7.211					9
76 trans-1,3-Dichloropropene	75		7.474					9
79 1,1,2-Trichloroethane	83		7.663					9
80 Tetrachloroethene	166		7.754					
82 2-Hexanone	43		7.888					
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.175					9
86 Chlorobenzene	112		8.656					
89 Ethylbenzene	91		8.754					9
90 m-Xylene & p-Xylene	106		8.876					
91 o-Xylene	106		9.302					9
92 Styrene	104		9.327					
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680					
98 1,1,2,2-Tetrachloroethane	83		10.052					9
110 1,3-Dichlorobenzene	146		10.930					
113 1,4-Dichlorobenzene	146		11.016					
116 1,2-Dichlorobenzene	146		11.369					
117 1,2-Dibromo-3-Chloropropane	75		12.082					
119 1,2,4-Trichlorobenzene	180		12.771					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 12:48:01

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15804.D

Injection Date: 19-Oct-2012 02:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973G

Lims Batch ID: 86338

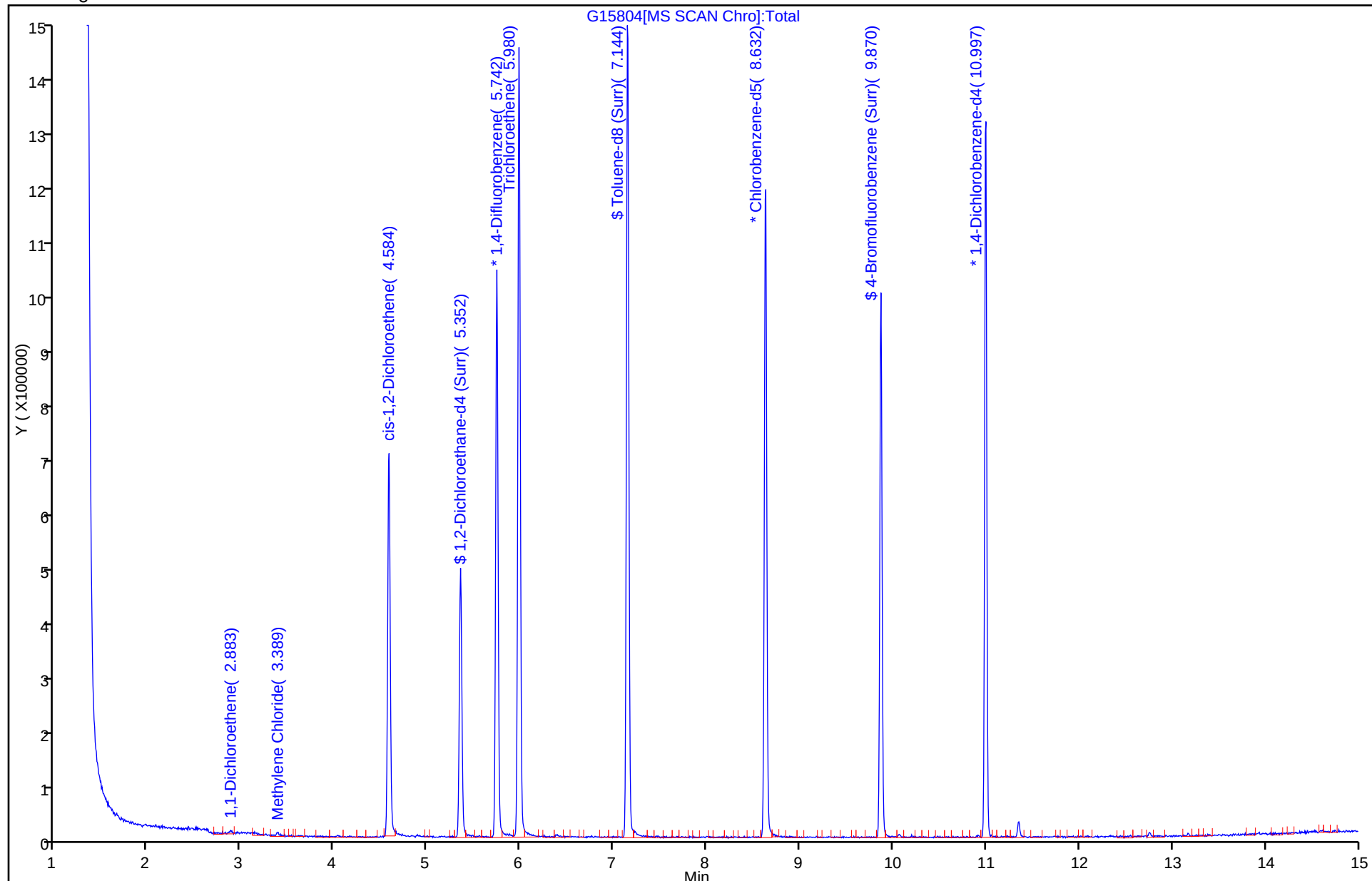
Lims Sample ID: 13

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 19-Oct-2012 12:48:01

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15804.D

Injection Date: 19-Oct-2012 02:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973G

Lims Batch ID: 86338

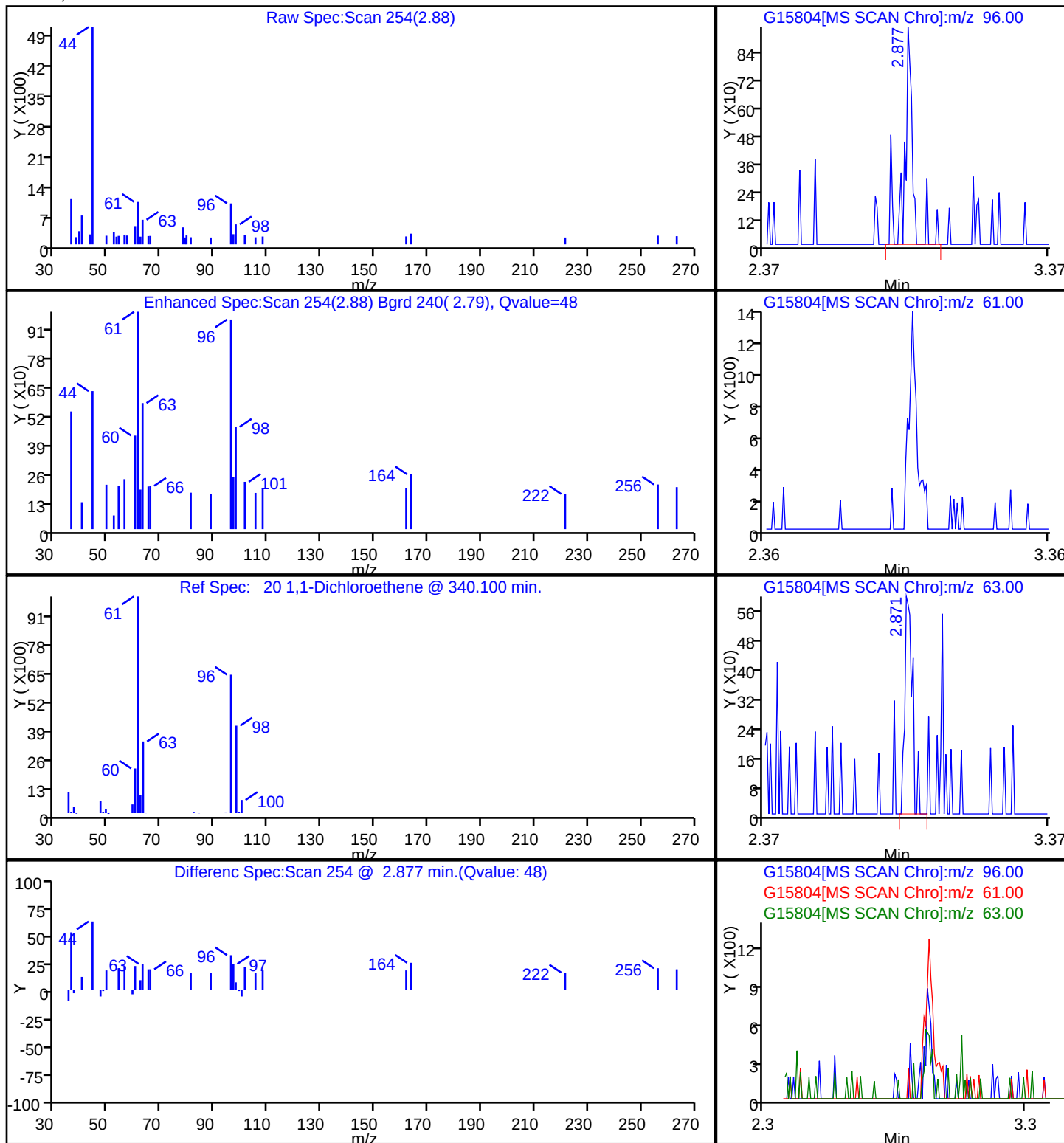
Lims Sample ID: 13

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

20 1,1-Dichloroethene



Report Date: 19-Oct-2012 12:48:01

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15804.D

Injection Date: 19-Oct-2012 02:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973G

Lims Batch ID: 86338

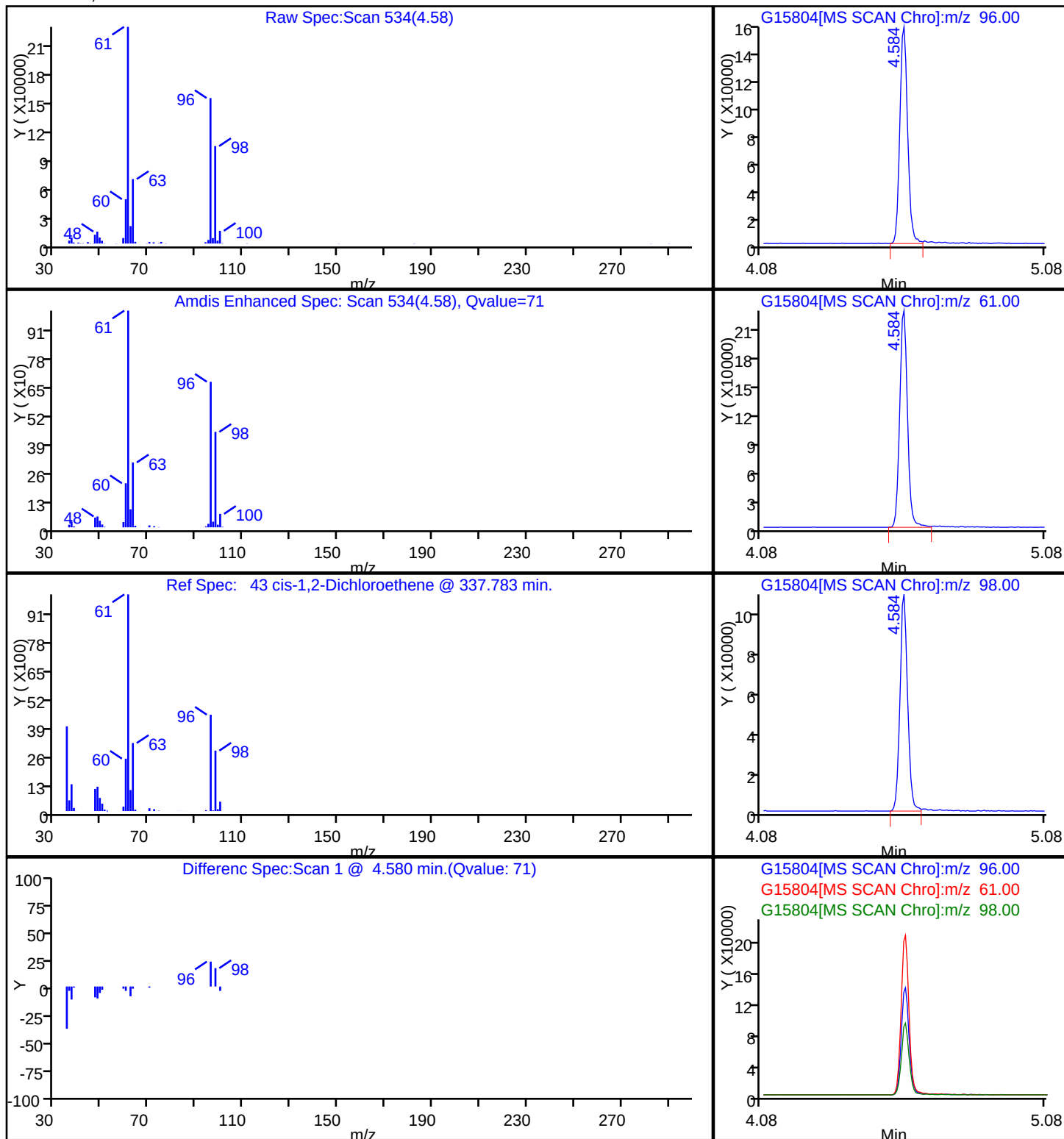
Lims Sample ID: 13

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



Report Date: 19-Oct-2012 12:48:01

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15804.D

Injection Date: 19-Oct-2012 02:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973G

Lims Batch ID: 86338

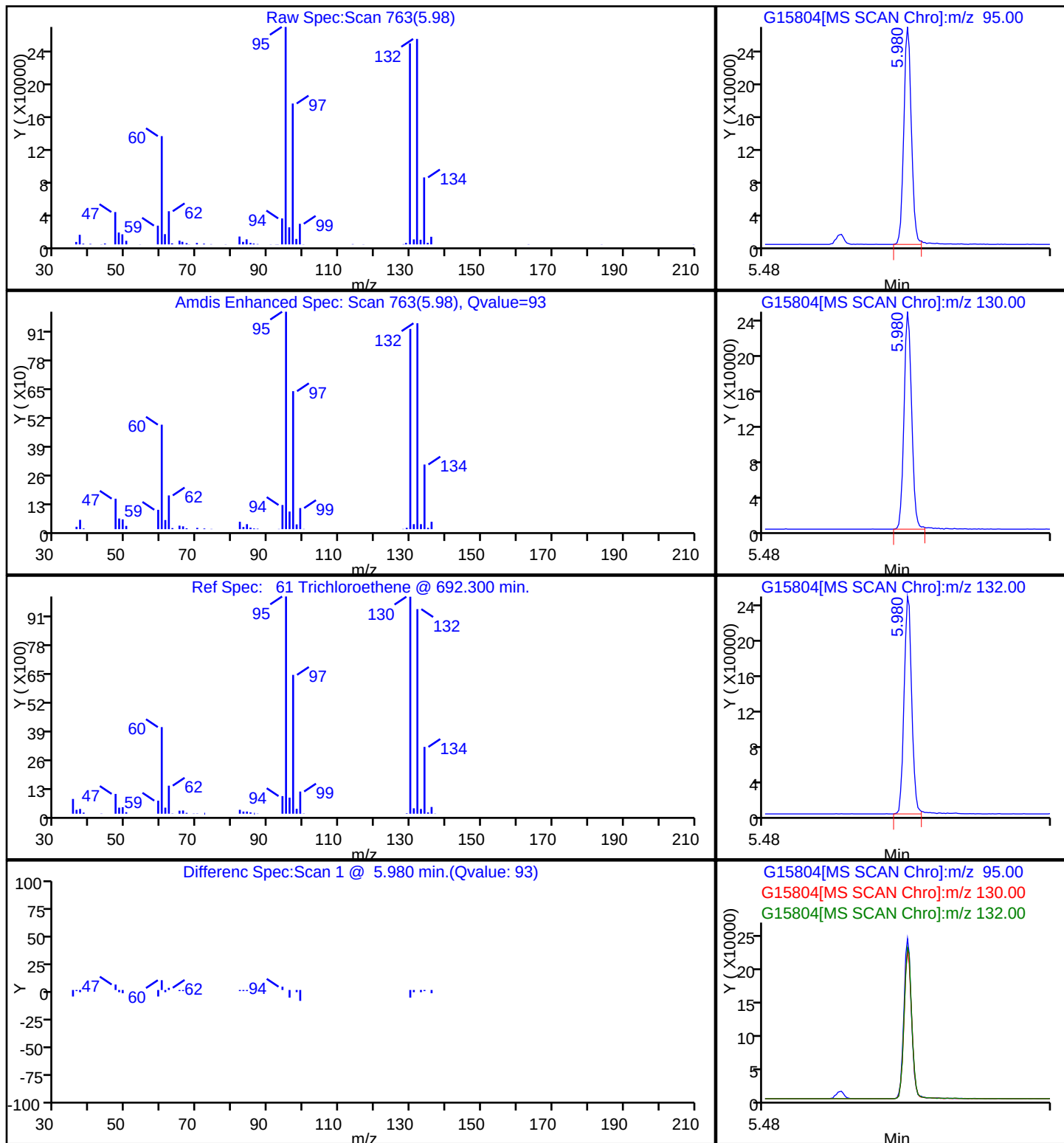
Lims Sample ID: 13

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

61 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1

SDG No.: _____

Client Sample ID: MW-8R Lab Sample ID: 480-26599-8

Matrix: Ground Water Lab File ID: G15805.D

Analysis Method: 8260B Date Collected: 10/12/2012 08:30

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 02:48

Soil Aliquot Vol: _____ Dilution Factor: 800

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

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

Analysis Batch No.: 86338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		800	660
79-34-5	1,1,2,2-Tetrachloroethane	ND		800	170
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		800	250
79-00-5	1,1,2-Trichloroethane	ND		800	180
75-34-3	1,1-Dichloroethane	340	J	800	300
75-35-4	1,1-Dichloroethene	390	J	800	230
120-82-1	1,2,4-Trichlorobenzene	ND		800	330
96-12-8	1,2-Dibromo-3-Chloropropane	ND		800	310
106-93-4	1,2-Dibromoethane	ND		800	580
95-50-1	1,2-Dichlorobenzene	ND		800	630
107-06-2	1,2-Dichloroethane	ND		800	170
78-87-5	1,2-Dichloropropane	ND		800	580
541-73-1	1,3-Dichlorobenzene	ND		800	620
106-46-7	1,4-Dichlorobenzene	ND		800	670
78-93-3	2-Butanone (MEK)	ND		8000	1100
591-78-6	2-Hexanone	ND		4000	990
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		4000	1700
67-64-1	Acetone	ND		8000	2400
71-43-2	Benzene	ND		800	330
75-27-4	Bromodichloromethane	ND		800	310
75-25-2	Bromoform	ND		800	210
74-83-9	Bromomethane	ND		800	550
75-15-0	Carbon disulfide	ND		800	150
56-23-5	Carbon tetrachloride	ND		800	220
108-90-7	Chlorobenzene	ND		800	600
75-00-3	Chloroethane	ND		800	260
67-66-3	Chloroform	ND		800	270
74-87-3	Chloromethane	ND		800	280
156-59-2	cis-1,2-Dichloroethene	48000		800	650
10061-01-5	cis-1,3-Dichloropropene	ND		800	290
110-82-7	Cyclohexane	ND		800	140
124-48-1	Dibromochloromethane	ND		800	260
75-71-8	Dichlorodifluoromethane	ND		800	540
100-41-4	Ethylbenzene	ND		800	590
98-82-8	Isopropylbenzene	ND		800	630

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1
 SDG No.: _____
 Client Sample ID: MW-8R Lab Sample ID: 480-26599-8
 Matrix: Ground Water Lab File ID: G15805.D
 Analysis Method: 8260B Date Collected: 10/12/2012 08:30
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 02:48
 Soil Aliquot Vol: _____ Dilution Factor: 800
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 86338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		800	400
1634-04-4	Methyl tert-butyl ether	ND		800	130
108-87-2	Methylcyclohexane	ND		800	130
75-09-2	Methylene Chloride	ND		800	350
100-42-5	Styrene	ND		800	580
127-18-4	Tetrachloroethene	ND		800	290
108-88-3	Toluene	ND		800	410
156-60-5	trans-1,2-Dichloroethene	ND		800	720
10061-02-6	trans-1,3-Dichloropropene	ND		800	300
79-01-6	Trichloroethene	87000	E	800	370
75-69-4	Trichlorofluoromethane	ND		800	700
75-01-4	Vinyl chloride	2000		800	720
1330-20-7	Xylenes, Total	ND		1600	530

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	108		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15805.D
 Lims ID: 480-26599-A-8 Client ID: MW-8R
 Inject. Date: 19-Oct-2012 02:48:30 Dil. Factor: 800.0000
 Sample Type: Client
 Sample ID: 480-26599-A-8
 Misc. Info.: 480-0015862-014 =480-0015862-014
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 86338 Lims Sample ID: 14
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 19-Oct-2012 12:48:01 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 19-Oct-2012 12:56:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	96	792253	25.0	
* 2 Chlorobenzene-d5	82	8.632	8.626	0.006	88	403608	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	318188	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.346	0.006	0	169677	28.3	
\$ 5 Toluene-d8 (Surr)	98	7.150	7.144	0.006	94	948017	26.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.869	0.0	79	226781	22.7	
10 Dichlorodifluoromethane	85		1.420					
12 Chloromethane	50		1.609					9
13 Vinyl chloride	62	1.712	1.700	0.012	77	27694	2.49	
14 Bromomethane	94		2.011					
15 Chloroethane	64		2.121					9
17 Trichlorofluoromethane	101		2.347					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.853					
20 1,1-Dichloroethene	96	2.889	2.865	0.024	66	3240	0.4864	
22 Acetone	43		2.974					
24 Carbon disulfide	76		3.060					
28 Methyl acetate	43		3.273					
29 Methylene Chloride	84	3.389	3.371	0.018	75	3129	0.2625	
31 Methyl tert-butyl ether	73		3.602					
32 trans-1,2-Dichloroethene	96		3.608					
36 1,1-Dichloroethane	63	4.035	4.017	0.018	64	7131	0.4284	
43 cis-1,2-Dichloroethene	96	4.584	4.572	0.012	71	584920	59.6	
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					9
52 Cyclohexane	56		5.029					9
53 Carbon tetrachloride	117		5.157					
56 Benzene	78		5.364					9
57 1,2-Dichloroethane	62		5.419					9
61 Trichloroethene	95	5.980	5.974	0.006	93	1024378	108.4	E
62 Methylcyclohexane	83		6.108					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.206					
67 Dichlorobromomethane	83		6.492					
72 cis-1,3-Dichloropropene	75		6.913					
73 4-Methyl-2-pentanone (MIBK)	43		7.047				9	
74 Toluene	92		7.211					
76 trans-1,3-Dichloropropene	75		7.474				9	
79 1,1,2-Trichloroethane	83		7.663					
80 Tetrachloroethene	166		7.754					
82 2-Hexanone	43		7.888					
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.175					
86 Chlorobenzene	112		8.656				9	
89 Ethylbenzene	91		8.754				9	
90 m-Xylene & p-Xylene	106		8.876					
91 o-Xylene	106		9.302					
92 Styrene	104		9.327					
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680				9	
98 1,1,2,2-Tetrachloroethane	83		10.052					
110 1,3-Dichlorobenzene	146		10.930					
113 1,4-Dichlorobenzene	146		11.016					
116 1,2-Dichlorobenzene	146		11.369					
117 1,2-Dibromo-3-Chloropropane	75		12.082					
119 1,2,4-Trichlorobenzene	180		12.771					
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

Report Date: 19-Oct-2012 12:56:19

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15805.D

Injection Date: 19-Oct-2012 02:48:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973G

Lims Batch ID: 86338

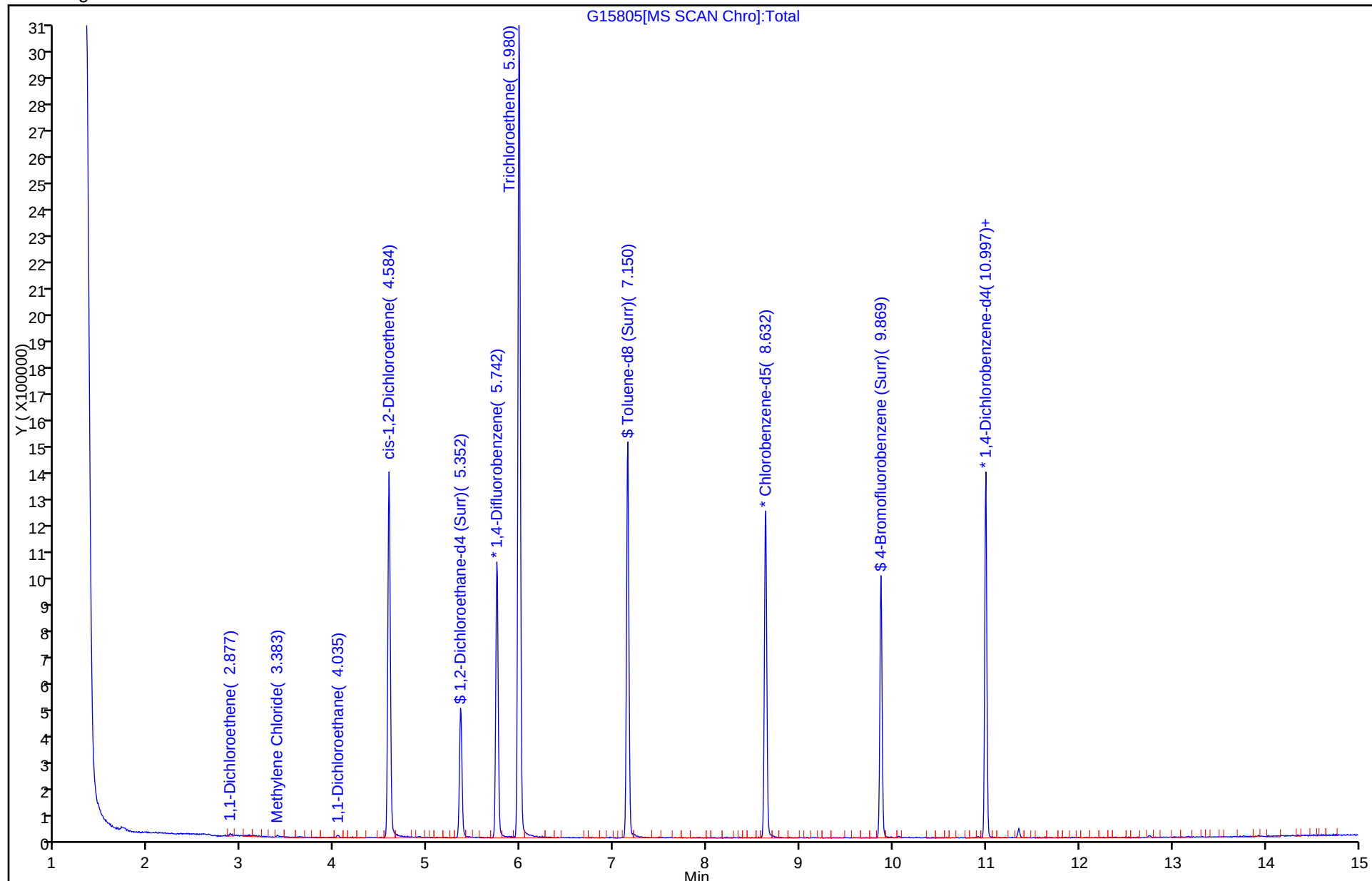
Lims Sample ID: 14

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 19-Oct-2012 12:56:19

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15805.D

Injection Date: 19-Oct-2012 02:48:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973G

Lims Batch ID: 86338

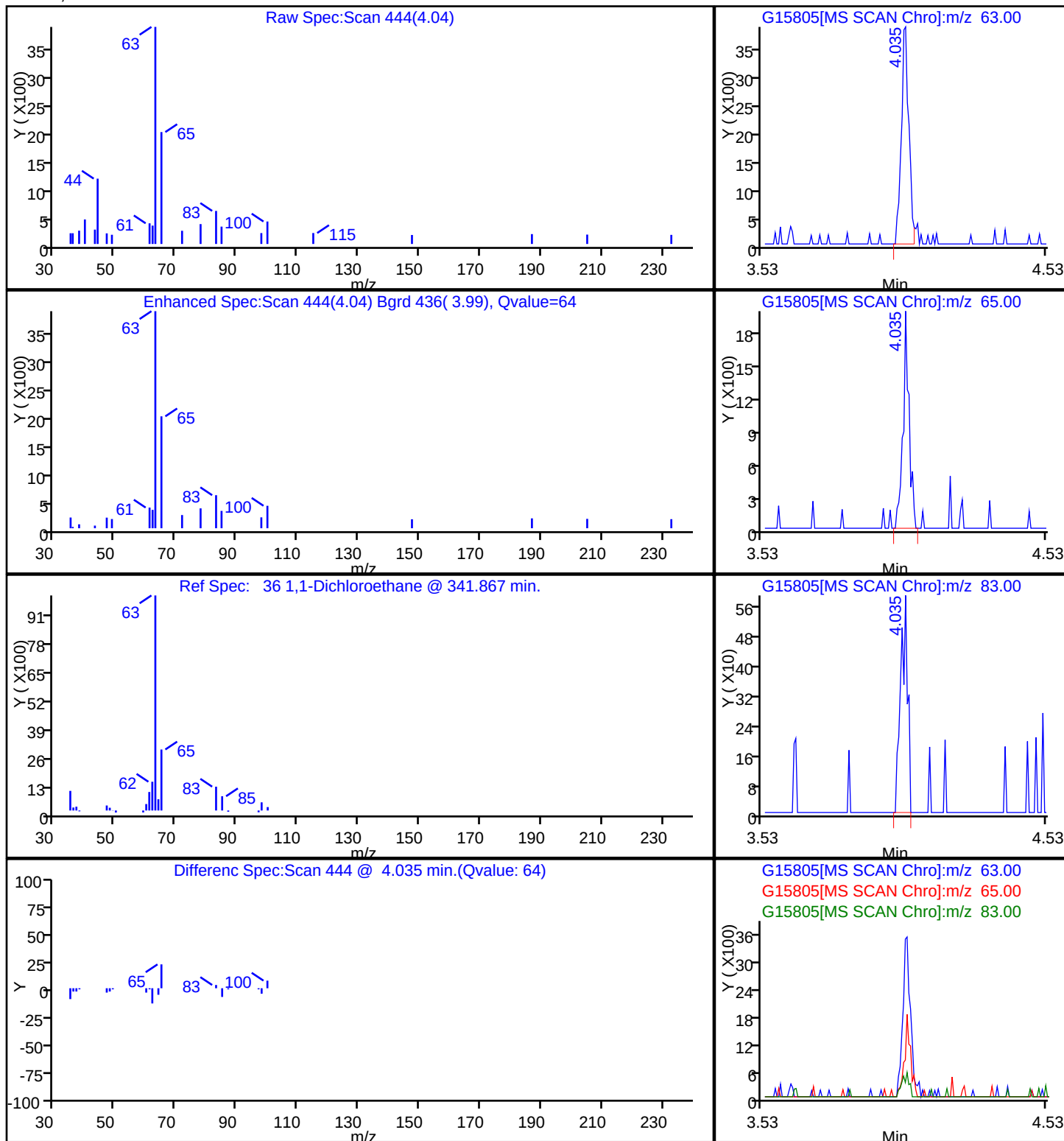
Lims Sample ID: 14

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



Report Date: 19-Oct-2012 12:56:19

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15805.D

Injection Date: 19-Oct-2012 02:48:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973G

Lims Batch ID: 86338

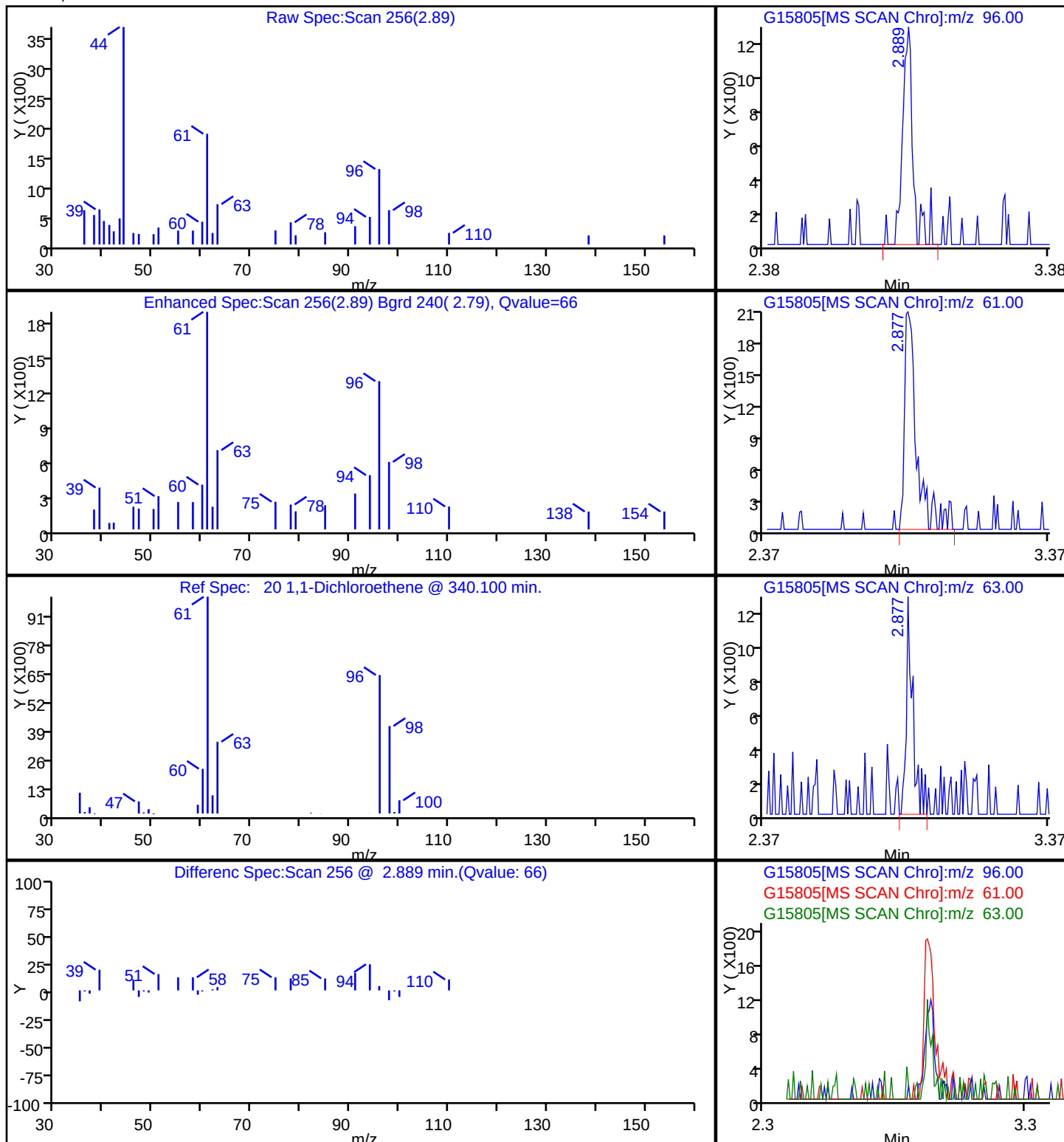
Lims Sample ID: 14

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

20 1,1-Dichloroethene



Report Date: 19-Oct-2012 12:56:19

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15805.D

Injection Date: 19-Oct-2012 02:48:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973G

Lims Batch ID: 86338

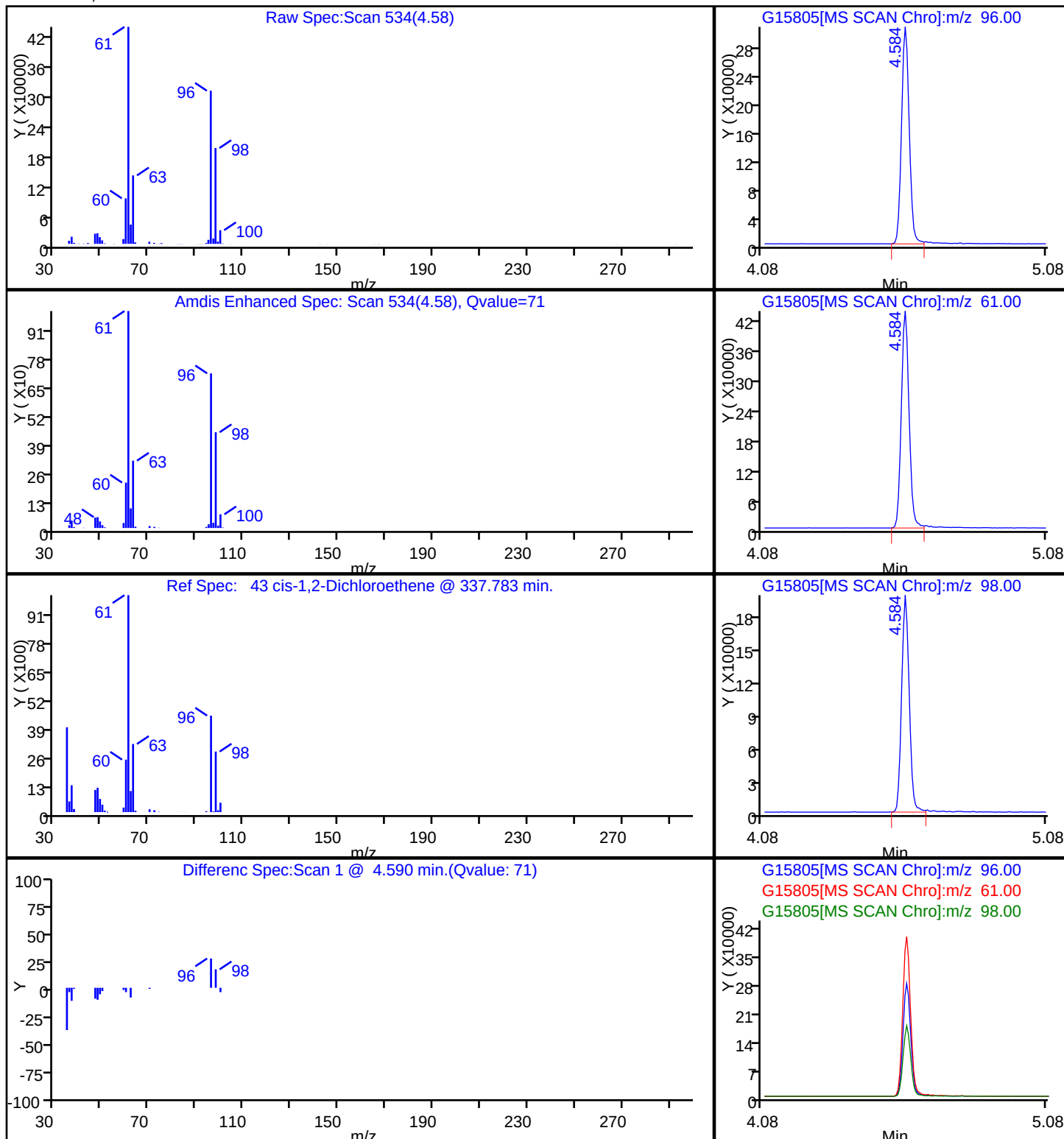
Lims Sample ID: 14

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



Report Date: 19-Oct-2012 12:56:19

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15805.D

Injection Date: 19-Oct-2012 02:48:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973G

Lims Batch ID: 86338

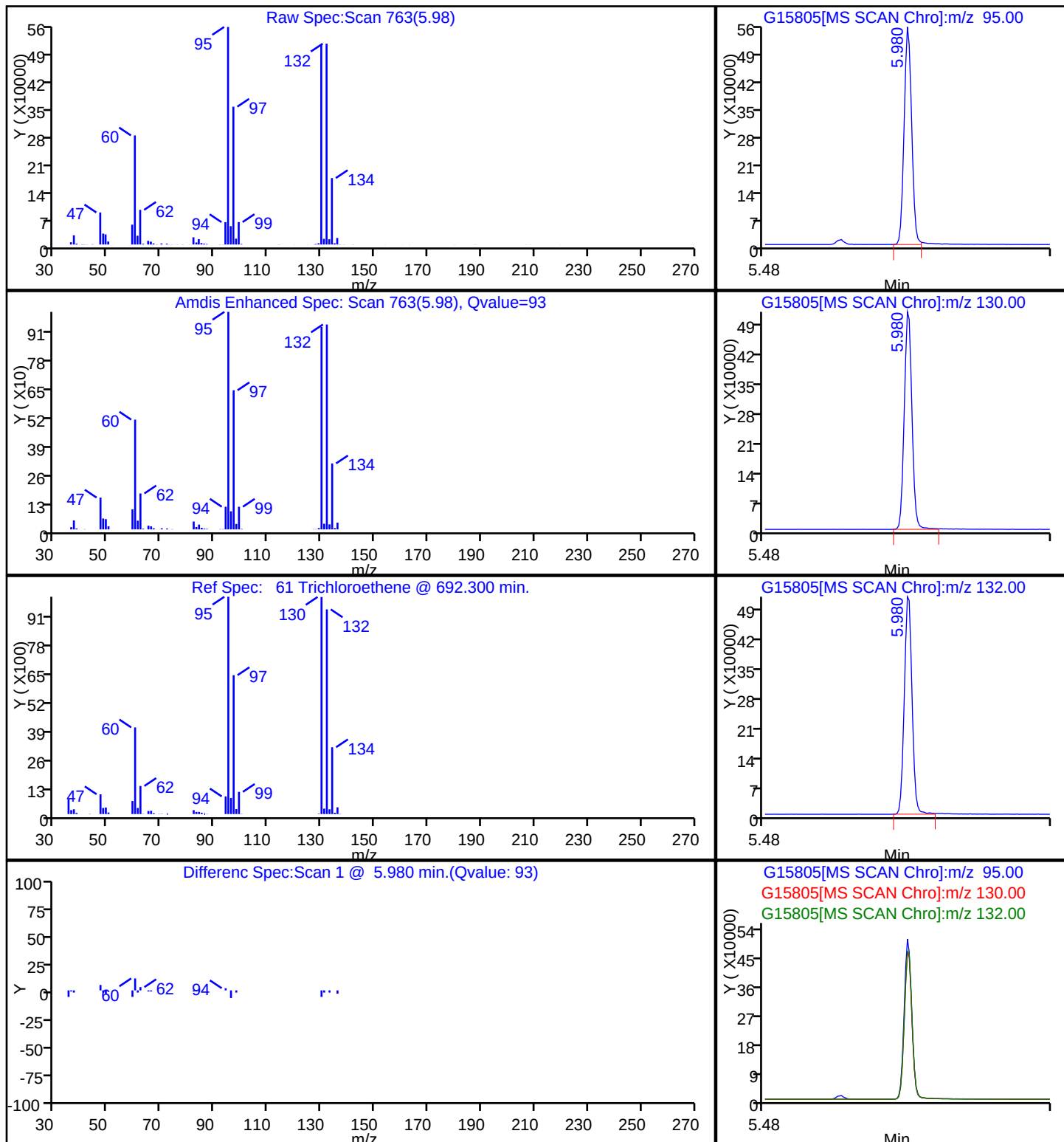
Lims Sample ID: 14

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

61 Trichloroethene



Report Date: 19-Oct-2012 12:56:19

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15805.D

Injection Date: 19-Oct-2012 02:48:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973G

Lims Batch ID: 86338

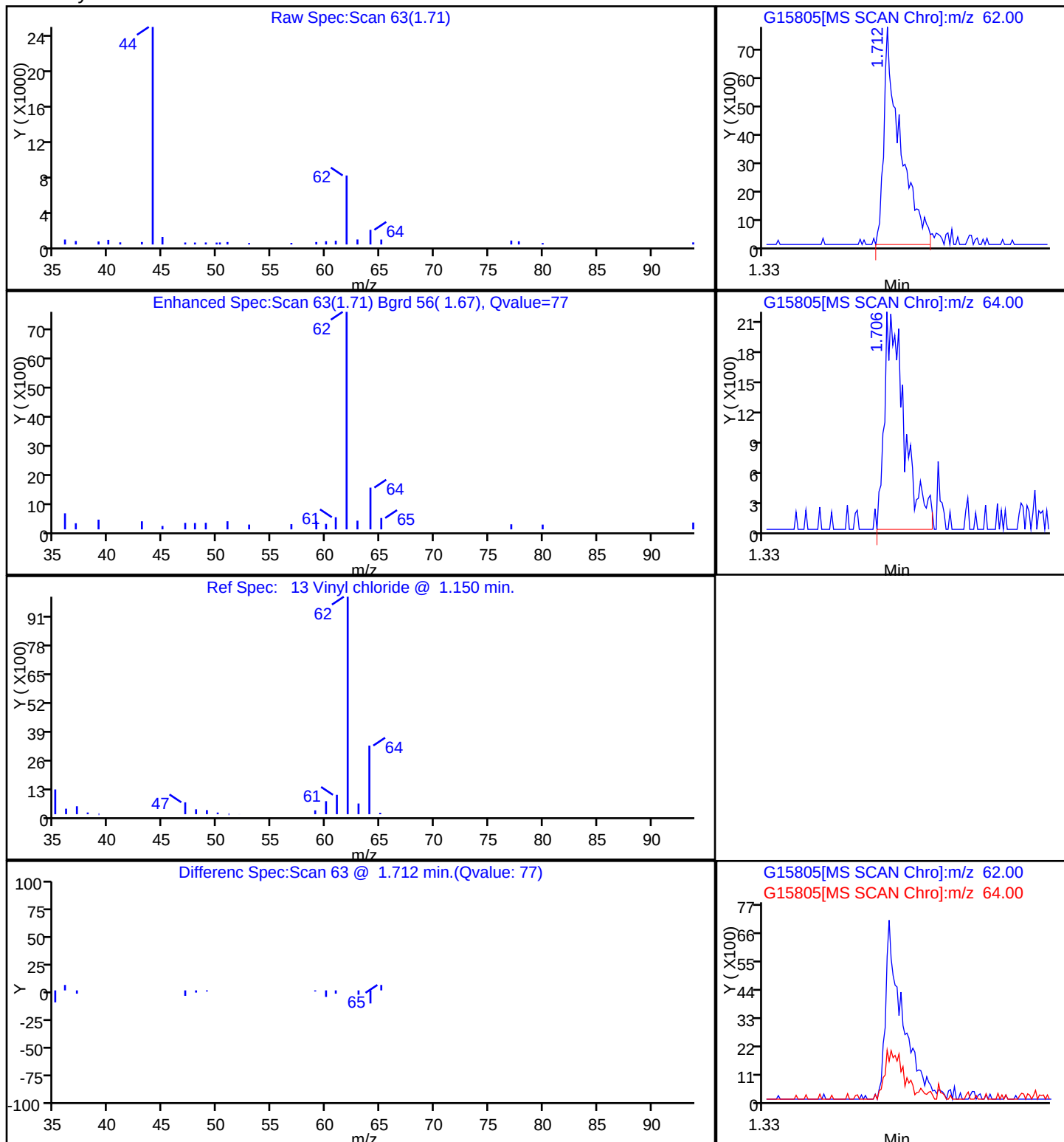
Lims Sample ID: 14

Operator ID: RAL

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.: 480-26599-1

SDG No.: _____

Client Sample ID: MW-8R DL Lab Sample ID: 480-26599-8 DL

Matrix: Ground Water Lab File ID: G15832.D

Analysis Method: 8260B Date Collected: 10/12/2012 08:30

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 14:23

Soil Aliquot Vol: _____ Dilution Factor: 1600

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

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

Analysis Batch No.: 86398 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1600	1300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1600	340
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1600	500
79-00-5	1,1,2-Trichloroethane	ND		1600	370
75-34-3	1,1-Dichloroethane	ND		1600	610
75-35-4	1,1-Dichloroethene	ND		1600	460
120-82-1	1,2,4-Trichlorobenzene	ND		1600	660
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1600	620
106-93-4	1,2-Dibromoethane	ND		1600	1200
95-50-1	1,2-Dichlorobenzene	ND		1600	1300
107-06-2	1,2-Dichloroethane	ND		1600	340
78-87-5	1,2-Dichloropropane	ND		1600	1200
541-73-1	1,3-Dichlorobenzene	ND		1600	1200
106-46-7	1,4-Dichlorobenzene	ND		1600	1300
78-93-3	2-Butanone (MEK)	ND		16000	2100
591-78-6	2-Hexanone	ND		8000	2000
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		8000	3400
67-64-1	Acetone	ND		16000	4800
71-43-2	Benzene	ND		1600	660
75-27-4	Bromodichloromethane	ND		1600	620
75-25-2	Bromoform	ND		1600	420
74-83-9	Bromomethane	ND		1600	1100
75-15-0	Carbon disulfide	ND		1600	300
56-23-5	Carbon tetrachloride	ND		1600	430
108-90-7	Chlorobenzene	ND		1600	1200
75-00-3	Chloroethane	ND		1600	510
67-66-3	Chloroform	ND		1600	540
74-87-3	Chloromethane	ND		1600	560
156-59-2	cis-1,2-Dichloroethene	48000		1600	1300
10061-01-5	cis-1,3-Dichloropropene	ND		1600	580
110-82-7	Cyclohexane	ND		1600	290
124-48-1	Dibromochloromethane	ND		1600	510
75-71-8	Dichlorodifluoromethane	ND		1600	1100
100-41-4	Ethylbenzene	ND		1600	1200
98-82-8	Isopropylbenzene	ND		1600	1300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1
 SDG No.: _____
 Client Sample ID: MW-8R DL Lab Sample ID: 480-26599-8 DL
 Matrix: Ground Water Lab File ID: G15832.D
 Analysis Method: 8260B Date Collected: 10/12/2012 08:30
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 14:23
 Soil Aliquot Vol: _____ Dilution Factor: 1600
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 86398 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1600	800
1634-04-4	Methyl tert-butyl ether	ND		1600	260
108-87-2	Methylcyclohexane	ND		1600	260
75-09-2	Methylene Chloride	ND		1600	700
100-42-5	Styrene	ND		1600	1200
127-18-4	Tetrachloroethene	ND		1600	580
108-88-3	Toluene	ND		1600	820
156-60-5	trans-1,2-Dichloroethene	ND		1600	1400
10061-02-6	trans-1,3-Dichloropropene	ND		1600	590
79-01-6	Trichloroethene	89000		1600	740
75-69-4	Trichlorofluoromethane	ND		1600	1400
75-01-4	Vinyl chloride	2400		1600	1400
1330-20-7	Xylenes, Total	ND		3200	1100

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		66-137
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
2037-26-5	Toluene-d8 (Surr)	112		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15832.D
 Lims ID: 480-26599-B-8 Client ID: MW-8R
 Inject. Date: 19-Oct-2012 14:23:30 Dil. Factor: 1600.0000
 Sample Type: Client
 Sample ID: 480-26599-B-8
 Misc. Info.: 480-0015869-009 =480-0015869-009
 Operator: TF Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 35
 Lims Batch ID: 86398 Lims Sample ID: 9
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G-8260.m
 Last Update: 19-Oct-2012 15:40:08 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK022

First Level Reviewer: larsonr

Date: 19-Oct-2012 17:41:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.742	0.0	95	814192	25.0	
* 2 Chlorobenzene-d5	82	8.632	8.626	0.006	87	409871	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	334588	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.352	0.0	0	167559	27.2	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.145	0.0	94	999257	27.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.870	9.870	0.0	80	241515	23.8	
10 Dichlorodifluoromethane	85		1.432					
12 Chloromethane	50		1.615					9
13 Vinyl chloride	62	1.719	1.712	0.007	72	17379	1.52	
14 Bromomethane	94		2.042					9
15 Chloroethane	64		2.127					
17 Trichlorofluoromethane	101		2.353					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.859					
20 1,1-Dichloroethene	96		2.865					
22 Acetone	43		2.974					
24 Carbon disulfide	76		3.072					9
28 Methyl acetate	43		3.279					
29 Methylene Chloride	84	3.377	3.377	0.0	73	3824	0.3122	
31 Methyl tert-butyl ether	73		3.608					
32 trans-1,2-Dichloroethene	96		3.614					
36 1,1-Dichloroethane	63		4.023					9
43 cis-1,2-Dichloroethene	96	4.584	4.578	0.006	71	302170	29.9	
44 2-Butanone (MEK)	43		4.608					
50 Chloroform	85		4.883					
51 1,1,1-Trichloroethane	97		5.017					
52 Cyclohexane	56		5.035					9
53 Carbon tetrachloride	117		5.157					
56 Benzene	78		5.364					9
57 1,2-Dichloroethane	62		5.419					9
61 Trichloroethene	95	5.980	5.974	0.006	93	539481	55.5	
62 Methylcyclohexane	83		6.114					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.205					9
67 Dichlorobromomethane	83		6.492					
72 cis-1,3-Dichloropropene	75		6.913					9
73 4-Methyl-2-pentanone (MIBK)	43		7.053					
74 Toluene	92		7.211					
76 trans-1,3-Dichloropropene	75		7.473					
79 1,1,2-Trichloroethane	83		7.662					
80 Tetrachloroethene	166		7.754					
82 2-Hexanone	43		7.888					9
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.168					9
86 Chlorobenzene	112		8.656					9
89 Ethylbenzene	91		8.754					
90 m-Xylene & p-Xylene	106		8.876					
91 o-Xylene	106		9.302					
92 Styrene	104		9.327					
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680					9
98 1,1,2,2-Tetrachloroethane	83		10.052					9
110 1,3-Dichlorobenzene	146		10.930					
113 1,4-Dichlorobenzene	146		11.022					
116 1,2-Dichlorobenzene	146		11.369					
117 1,2-Dibromo-3-Chloropropane	75		12.088					
119 1,2,4-Trichlorobenzene	180		12.771					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 17:42:18

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15832.D

Injection Date: 19-Oct-2012 14:23:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973G

Lims Batch ID: 86398

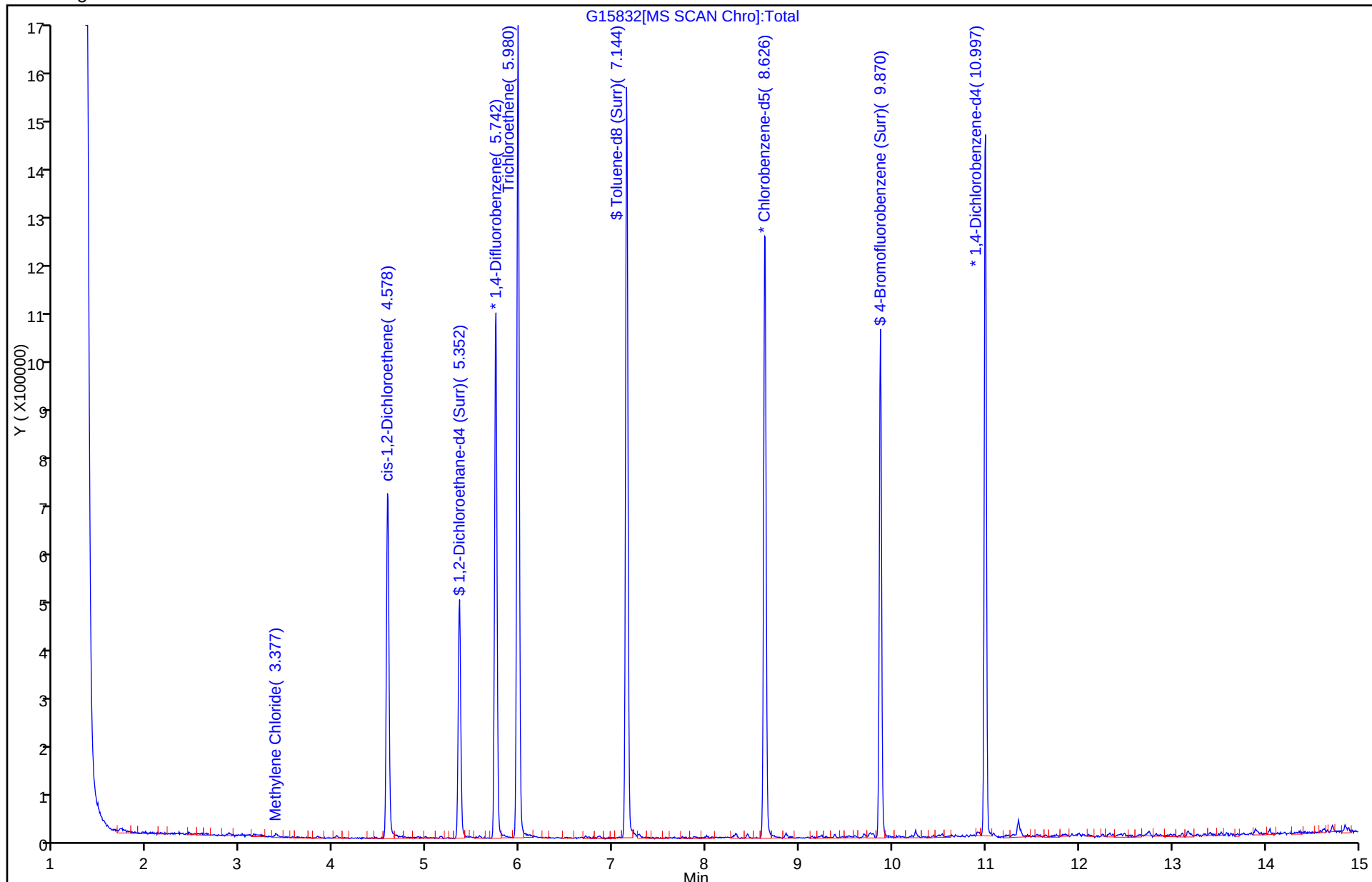
Lims Sample ID: 9

Operator ID: TF

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 19-Oct-2012 17:42:18

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15832.D

Injection Date: 19-Oct-2012 14:23:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973G

Lims Batch ID: 86398

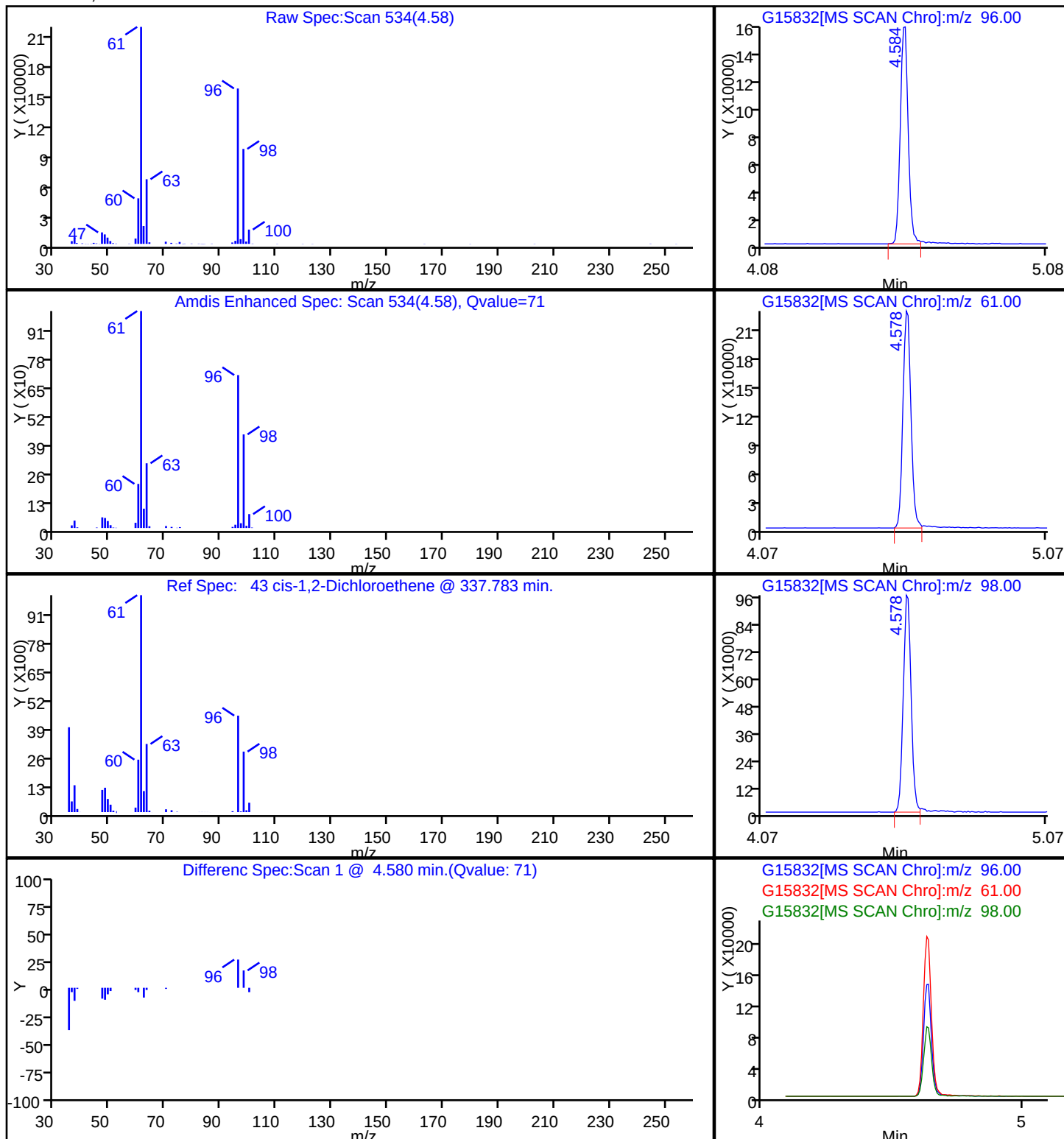
Lims Sample ID: 9

Operator ID: TF

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



Report Date: 19-Oct-2012 17:42:18

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15832.D

Injection Date: 19-Oct-2012 14:23:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973G

Lims Batch ID: 86398

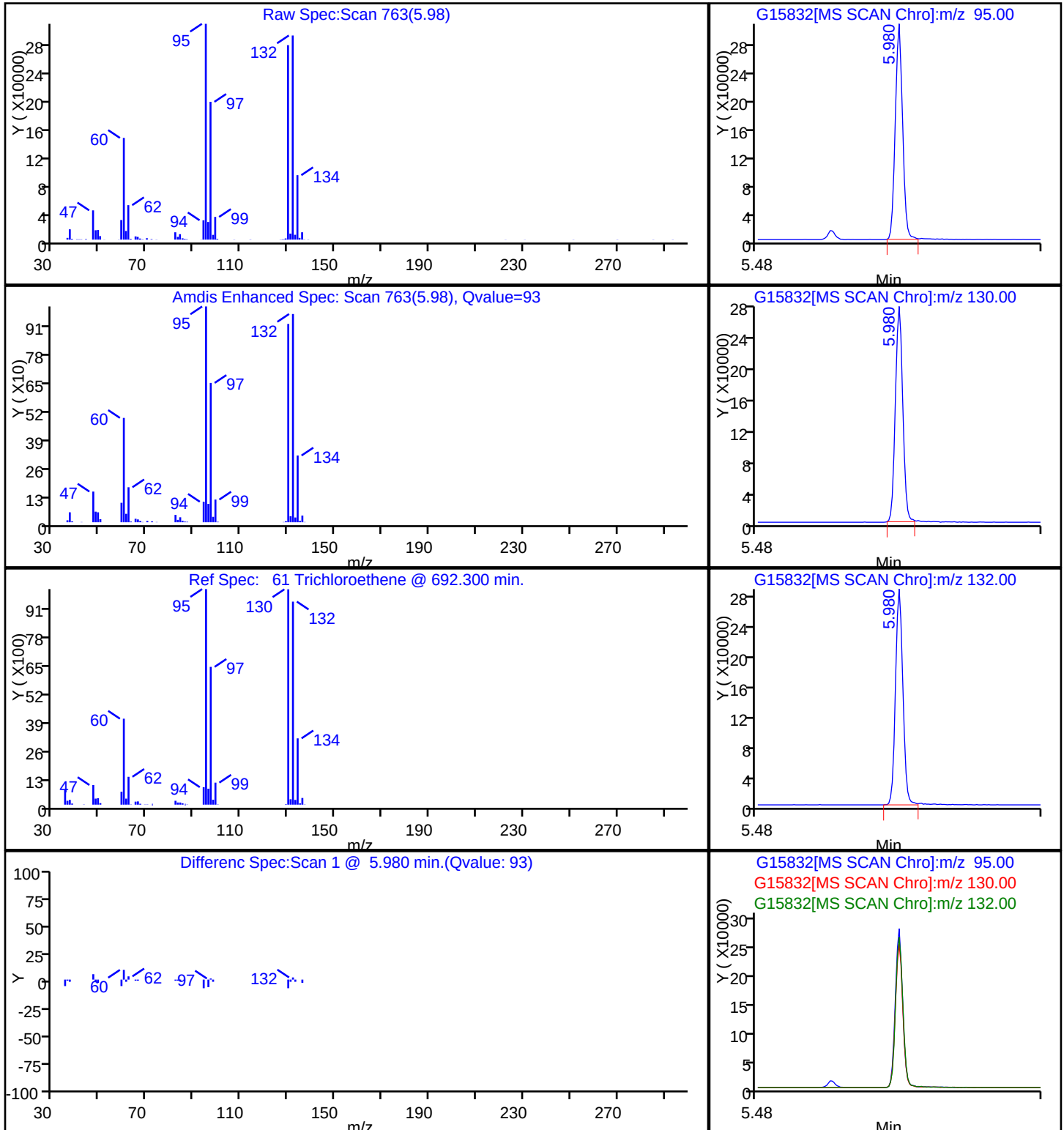
Lims Sample ID: 9

Operator ID: TF

Column Type: ZB-624

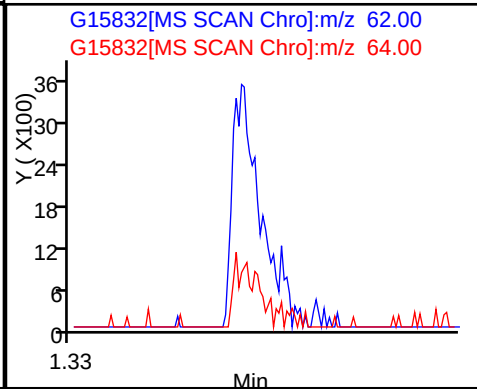
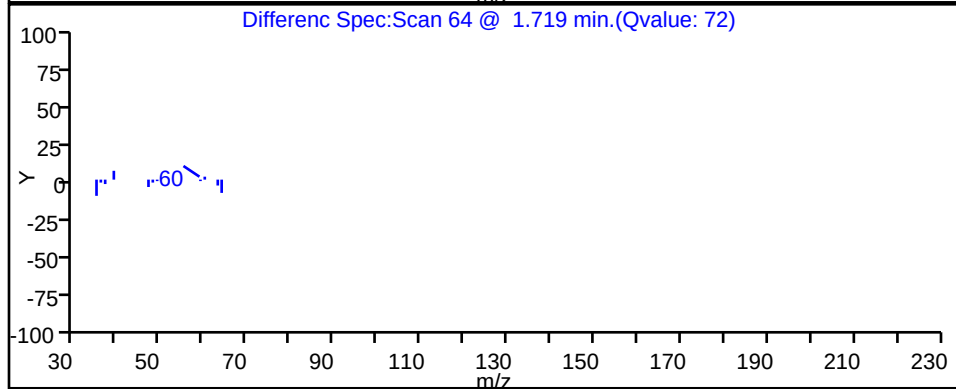
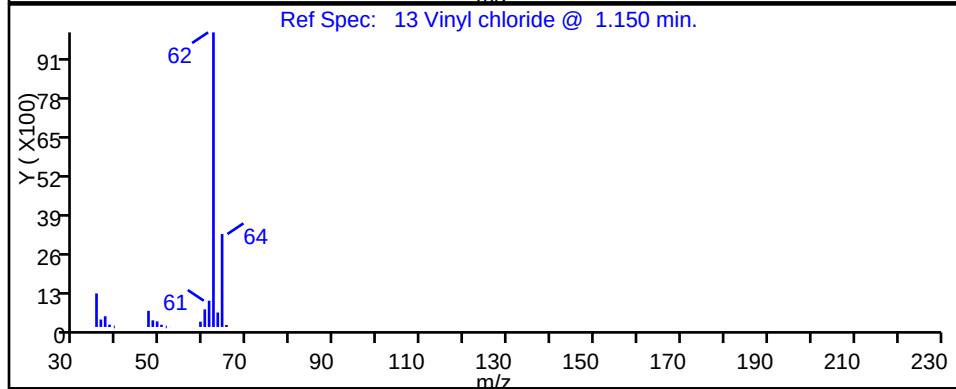
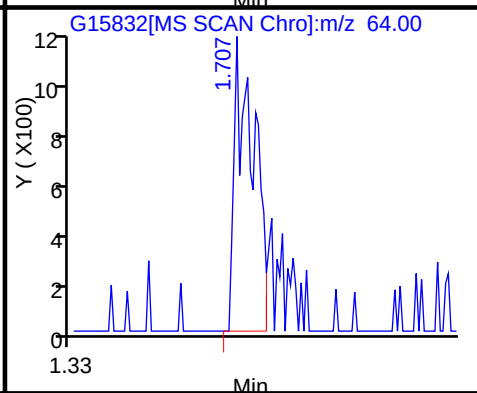
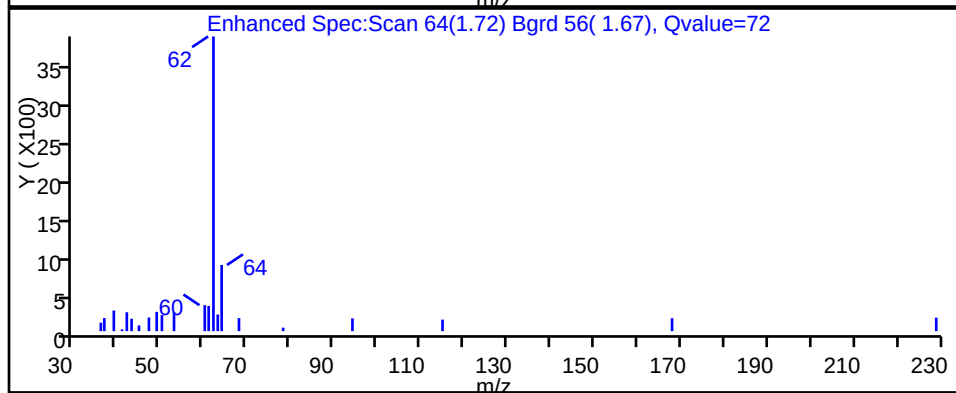
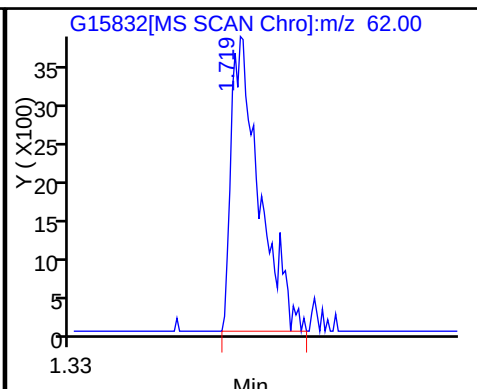
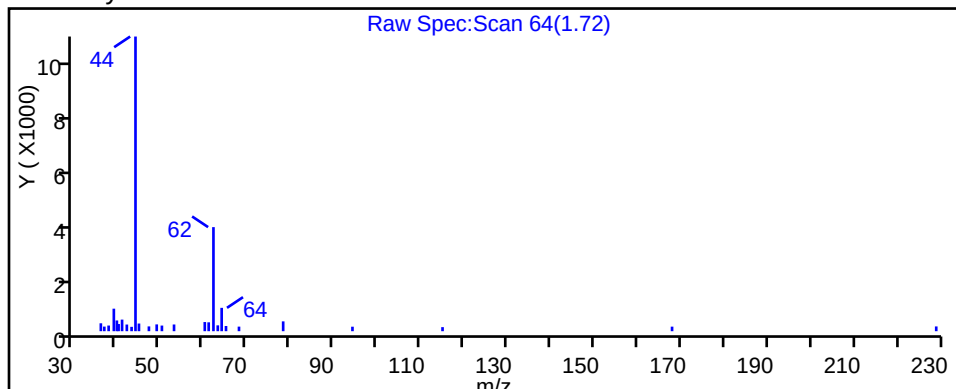
Column Dia: 0.25 mm

61 Trichloroethene



Report Date: 19-Oct-2012 17:42:18
Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15832.D
Injection Date: 19-Oct-2012 14:23:30
Client ID: MW-8R
Lims Batch ID: 86398
Operator ID: TF
Column Type: ZB-624
13 Vinyl chloride

Chrom Revision: 2.0 17-Jul-2012 17:32:54
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973G
Lims Sample ID: 9
Column Dia: 0.25 mm



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1
 SDG No.: _____
 Client Sample ID: Duplicate Lab Sample ID: 480-26599-9
 Matrix: Water Lab File ID: G15806.D
 Analysis Method: 8260B Date Collected: 10/12/2012 07:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 03:10
 Soil Aliquot Vol: _____ Dilution Factor: 800
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 86338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		800	660
79-34-5	1,1,2,2-Tetrachloroethane	ND		800	170
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		800	250
79-00-5	1,1,2-Trichloroethane	ND		800	180
75-34-3	1,1-Dichloroethane	380	J	800	300
75-35-4	1,1-Dichloroethene	ND		800	230
120-82-1	1,2,4-Trichlorobenzene	ND		800	330
96-12-8	1,2-Dibromo-3-Chloropropane	ND		800	310
106-93-4	1,2-Dibromoethane	ND		800	580
95-50-1	1,2-Dichlorobenzene	ND		800	630
107-06-2	1,2-Dichloroethane	ND		800	170
78-87-5	1,2-Dichloropropane	ND		800	580
541-73-1	1,3-Dichlorobenzene	ND		800	620
106-46-7	1,4-Dichlorobenzene	ND		800	670
78-93-3	2-Butanone (MEK)	ND		8000	1100
591-78-6	2-Hexanone	ND		4000	990
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		4000	1700
67-64-1	Acetone	ND		8000	2400
71-43-2	Benzene	ND		800	330
75-27-4	Bromodichloromethane	ND		800	310
75-25-2	Bromoform	ND		800	210
74-83-9	Bromomethane	ND		800	550
75-15-0	Carbon disulfide	ND		800	150
56-23-5	Carbon tetrachloride	ND		800	220
108-90-7	Chlorobenzene	ND		800	600
75-00-3	Chloroethane	ND		800	260
67-66-3	Chloroform	ND		800	270
74-87-3	Chloromethane	ND		800	280
156-59-2	cis-1,2-Dichloroethene	48000		800	650
10061-01-5	cis-1,3-Dichloropropene	ND		800	290
110-82-7	Cyclohexane	ND		800	140
124-48-1	Dibromochloromethane	ND		800	260
75-71-8	Dichlorodifluoromethane	ND		800	540
100-41-4	Ethylbenzene	ND		800	590
98-82-8	Isopropylbenzene	ND		800	630

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1
 SDG No.: _____
 Client Sample ID: Duplicate Lab Sample ID: 480-26599-9
 Matrix: Water Lab File ID: G15806.D
 Analysis Method: 8260B Date Collected: 10/12/2012 07:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 03:10
 Soil Aliquot Vol: _____ Dilution Factor: 800
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 86338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		800	400
1634-04-4	Methyl tert-butyl ether	ND		800	130
108-87-2	Methylcyclohexane	ND		800	130
75-09-2	Methylene Chloride	ND		800	350
100-42-5	Styrene	ND		800	580
127-18-4	Tetrachloroethene	ND		800	290
108-88-3	Toluene	ND		800	410
156-60-5	trans-1,2-Dichloroethene	ND		800	720
10061-02-6	trans-1,3-Dichloropropene	ND		800	300
79-01-6	Trichloroethene	91000	E	800	370
75-69-4	Trichlorofluoromethane	ND		800	700
75-01-4	Vinyl chloride	2100		800	720
1330-20-7	Xylenes, Total	ND		1600	530

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
2037-26-5	Toluene-d8 (Surr)	112		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15806.D
 Lims ID: 480-26599-A-9 Client ID: Duplicate
 Inject. Date: 19-Oct-2012 03:10:30 Dil. Factor: 800.0000
 Sample Type: Client
 Sample ID: 480-26599-A-9
 Misc. Info.: 480-0015862-015 =480-0015862-015
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 86338 Lims Sample ID: 15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 19-Oct-2012 12:48:01 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 19-Oct-2012 12:57:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	96	778710	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	402717	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	315516	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.346	0.006	0	172610	29.3	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.144	0.0	95	983832	28.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.869	0.0	79	224216	22.5	
10 Dichlorodifluoromethane	85		1.420					
12 Chloromethane	50		1.609					9
13 Vinyl chloride	62	1.706	1.700	0.006	76	28393	2.60	
14 Bromomethane	94		2.011					9
15 Chloroethane	64		2.121					9
17 Trichlorofluoromethane	101		2.347					9
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.853					
20 1,1-Dichloroethene	96		2.865					
22 Acetone	43		2.974					
24 Carbon disulfide	76		3.060					9
28 Methyl acetate	43		3.273					
29 Methylene Chloride	84	3.377	3.371	0.006	59	3187	0.2721	
31 Methyl tert-butyl ether	73		3.602					
32 trans-1,2-Dichloroethene	96		3.608					9
36 1,1-Dichloroethane	63	4.029	4.017	0.012	54	7863	0.4806	
43 cis-1,2-Dichloroethene	96	4.584	4.572	0.012	71	576960	59.8	
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					9
52 Cyclohexane	56		5.029					9
53 Carbon tetrachloride	117		5.157					
56 Benzene	78		5.364					
57 1,2-Dichloroethane	62		5.419					9
61 Trichloroethene	95	5.980	5.974	0.006	92	1062449	114.3	E
62 Methylcyclohexane	83		6.108					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.206					9
67 Dichlorobromomethane	83		6.492					9
72 cis-1,3-Dichloropropene	75		6.913					9
73 4-Methyl-2-pentanone (MIBK)	43		7.047					9
74 Toluene	92		7.211					
76 trans-1,3-Dichloropropene	75		7.474					
79 1,1,2-Trichloroethane	83		7.663					9
80 Tetrachloroethene	166		7.754					
82 2-Hexanone	43		7.888					9
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.175					
86 Chlorobenzene	112		8.656					
89 Ethylbenzene	91		8.754					
90 m-Xylene & p-Xylene	106		8.876					9
91 o-Xylene	106		9.302					
92 Styrene	104		9.327					9
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680					9
98 1,1,2,2-Tetrachloroethane	83		10.052					9
110 1,3-Dichlorobenzene	146		10.930					
113 1,4-Dichlorobenzene	146		11.016					
116 1,2-Dichlorobenzene	146		11.369					
117 1,2-Dibromo-3-Chloropropane	75		12.082					
119 1,2,4-Trichlorobenzene	180		12.771					
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

Report Date: 19-Oct-2012 12:57:58

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15806.D

Injection Date: 19-Oct-2012 03:10:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973G

Lims Batch ID: 86338

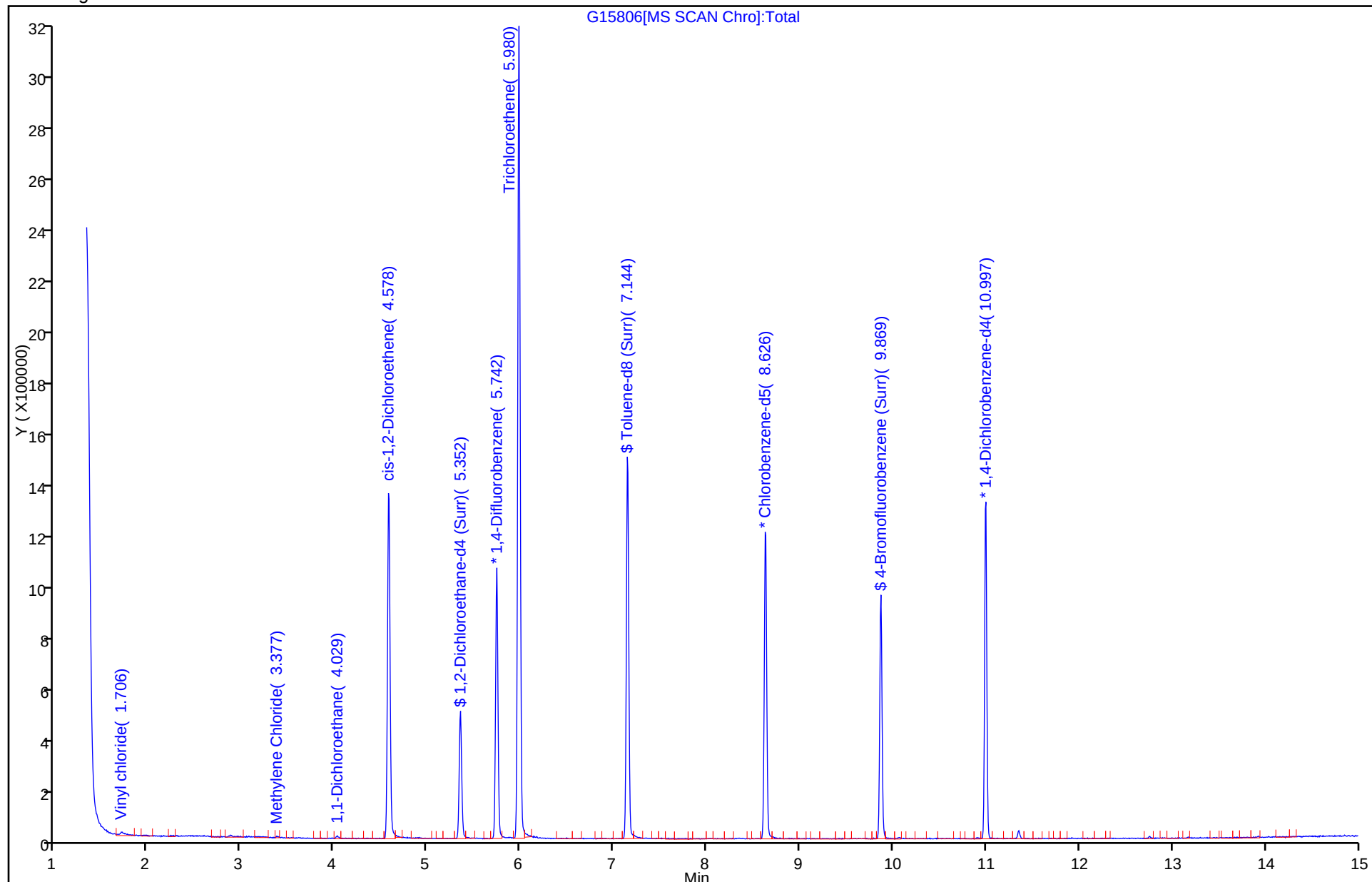
Lims Sample ID: 15

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 19-Oct-2012 12:57:58

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15806.D

Injection Date: 19-Oct-2012 03:10:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973G

Lims Batch ID: 86338

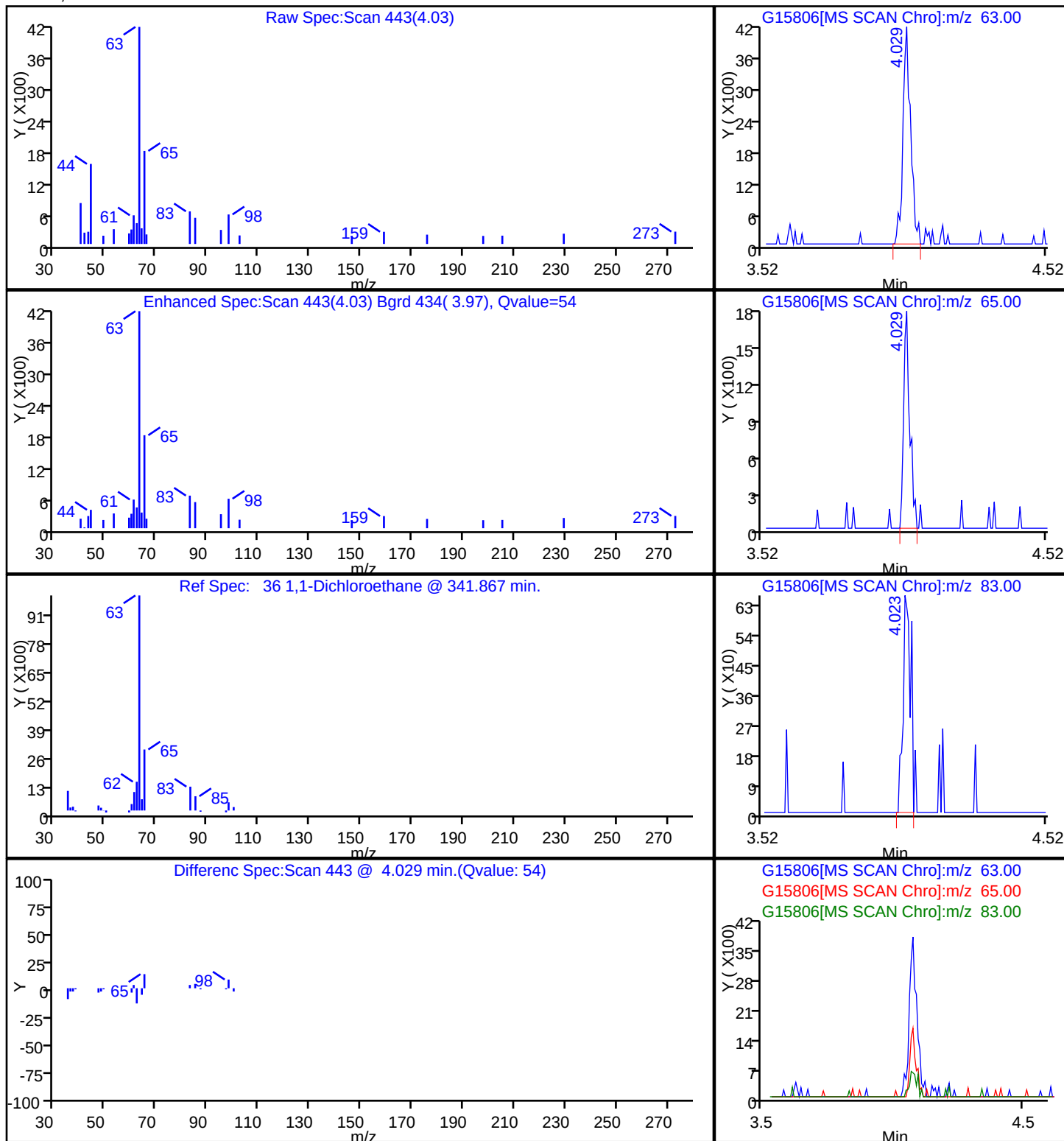
Lims Sample ID: 15

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

36 1,1-Dichloroethane



Report Date: 19-Oct-2012 12:57:59

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15806.D

Injection Date: 19-Oct-2012 03:10:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973G

Lims Batch ID: 86338

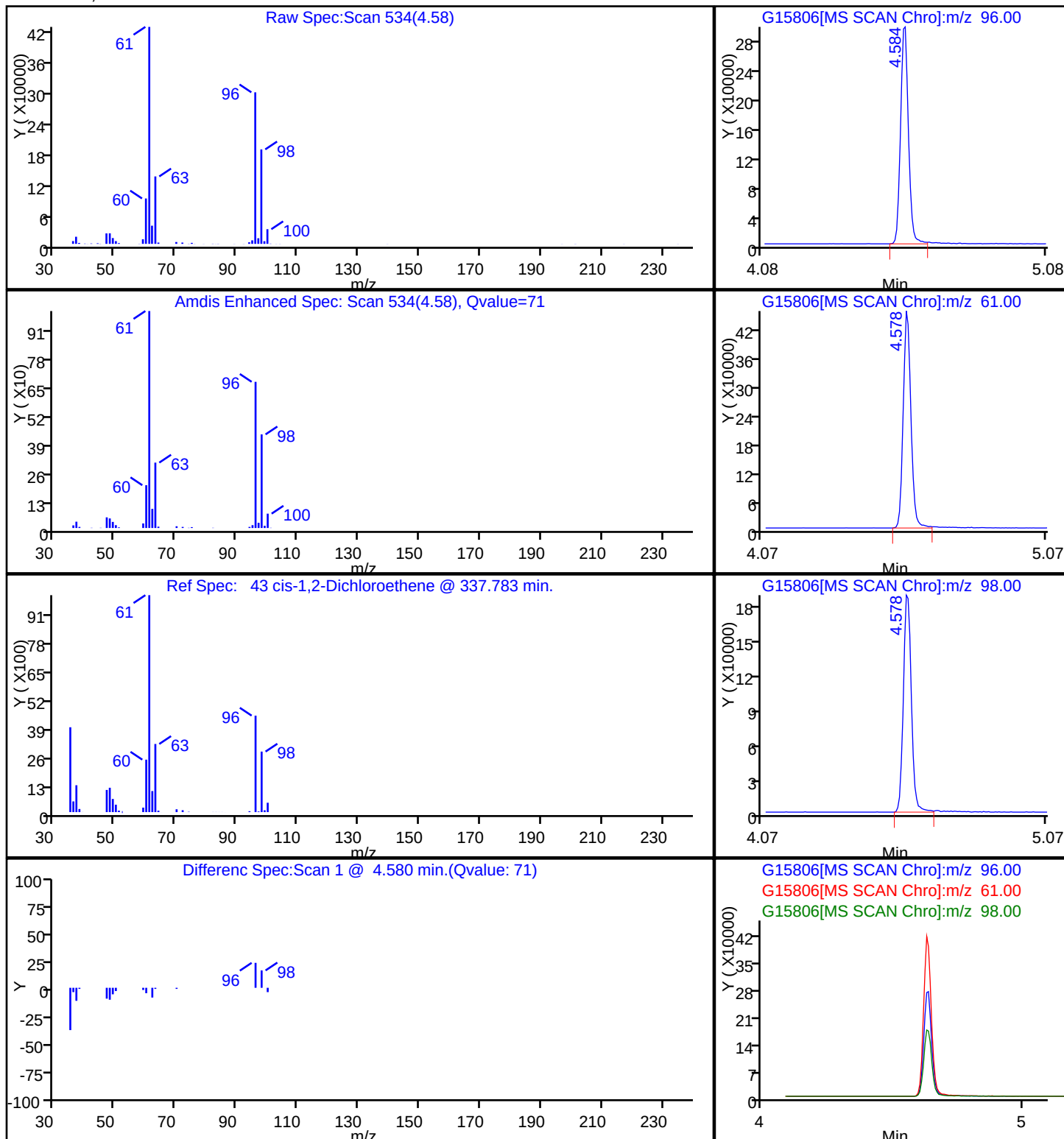
Lims Sample ID: 15

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



Report Date: 19-Oct-2012 12:57:59

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15806.D

Injection Date: 19-Oct-2012 03:10:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973G

Lims Batch ID: 86338

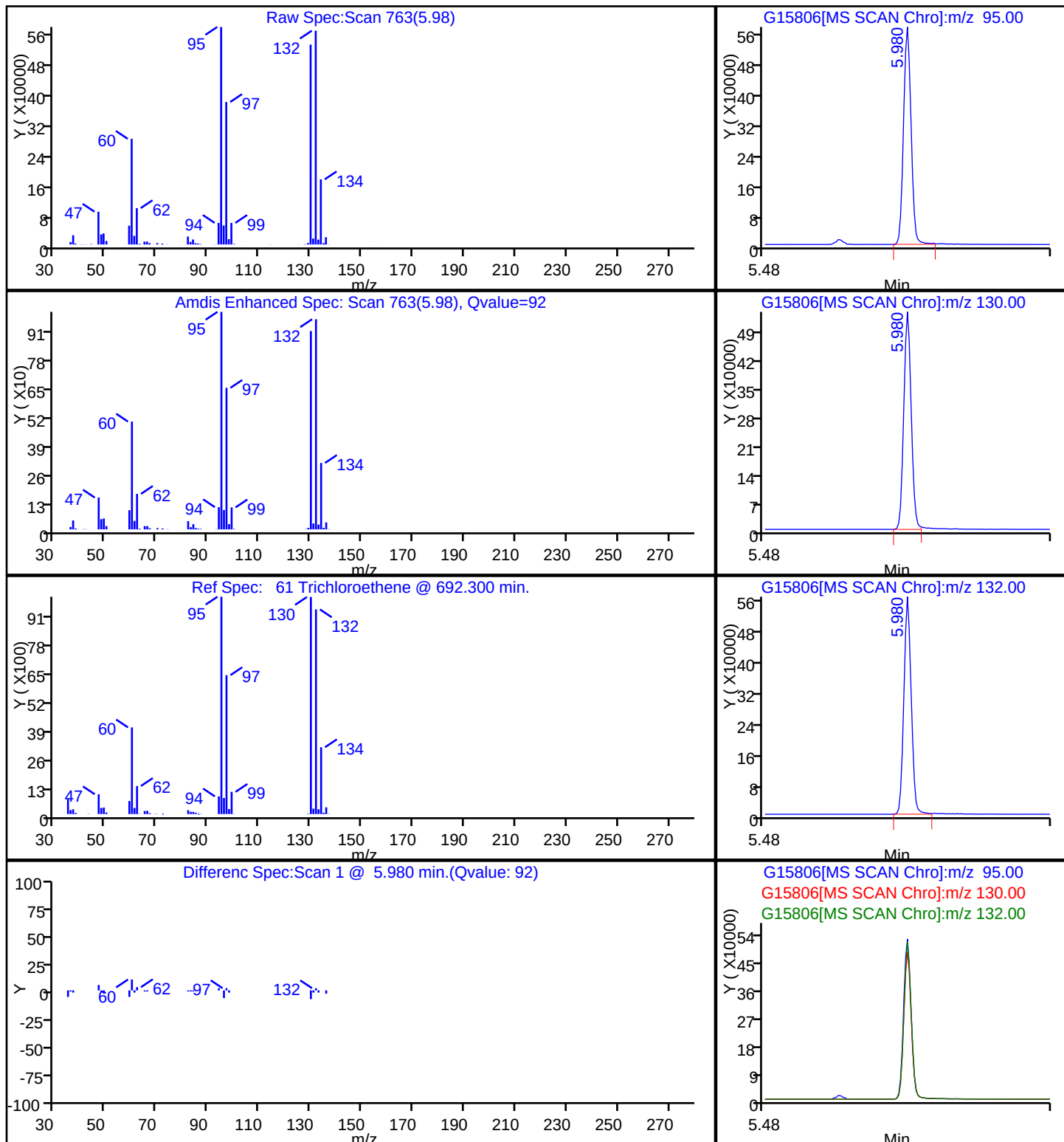
Lims Sample ID: 15

Operator ID: RAL

Column Type: ZB-624

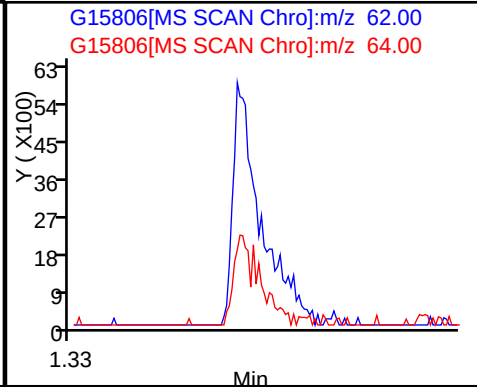
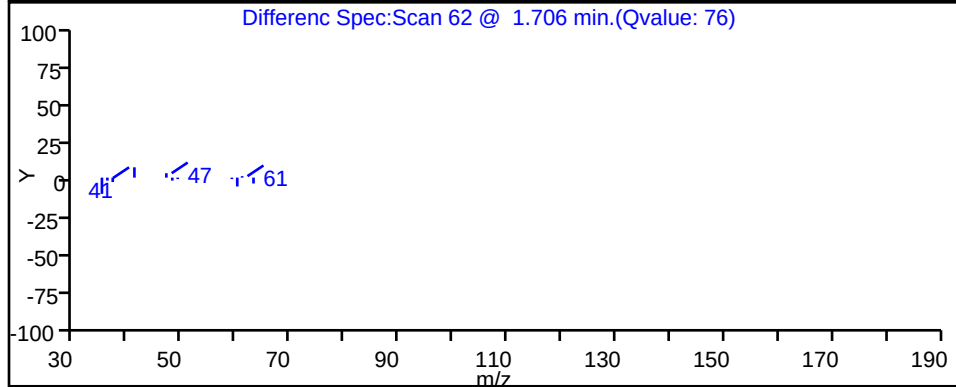
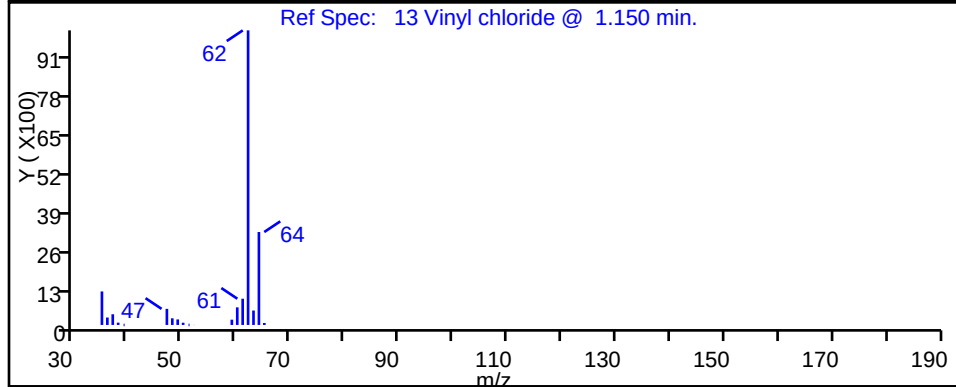
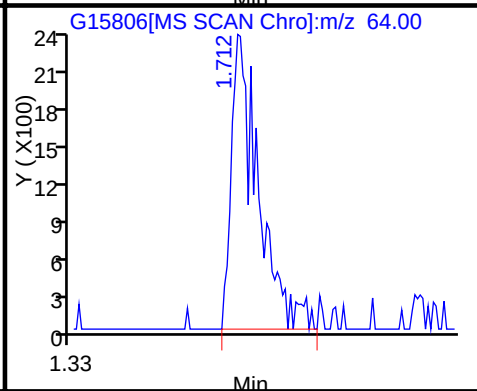
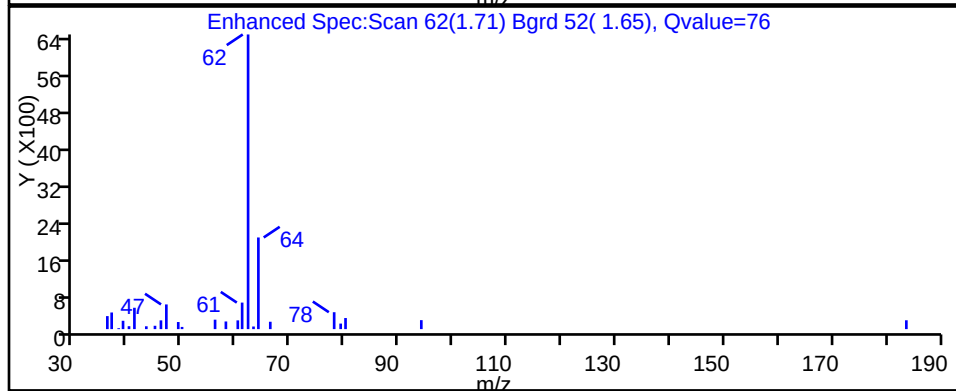
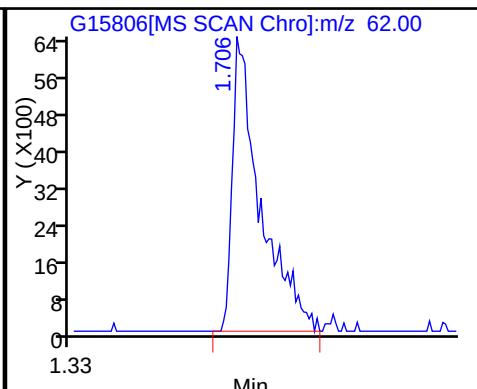
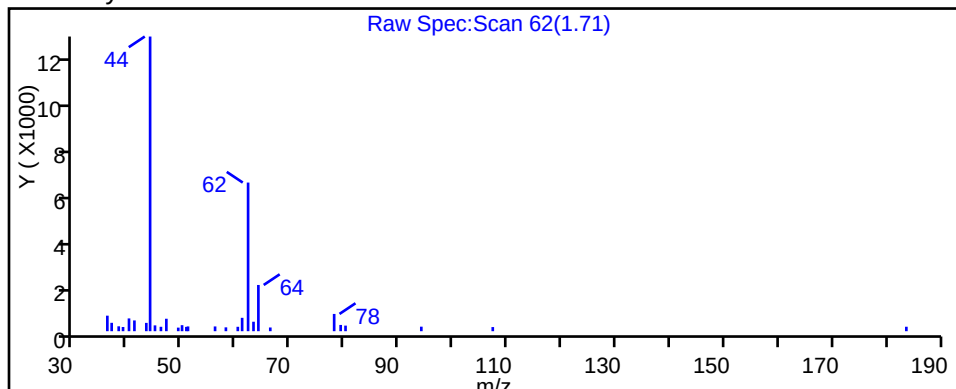
Column Dia: 0.25 mm

61 Trichloroethene



Report Date: 19-Oct-2012 12:57:58
Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15806.D
Injection Date: 19-Oct-2012 03:10:30
Client ID: Duplicate
Lims Batch ID: 86338
Operator ID: RAL
Column Type: ZB-624
13 Vinyl chloride

Chrom Revision: 2.0 17-Jul-2012 17:32:54
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973G
Lims Sample ID: 15
Column Dia: 0.25 mm



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1

SDG No.: _____

Client Sample ID: Duplicate DL Lab Sample ID: 480-26599-9 DL

Matrix: Water Lab File ID: G15833.D

Analysis Method: 8260B Date Collected: 10/12/2012 07:00

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 14:45

Soil Aliquot Vol: _____ Dilution Factor: 1600

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

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

Analysis Batch No.: 86398 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1600	1300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1600	340
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1600	500
79-00-5	1,1,2-Trichloroethane	ND		1600	370
75-34-3	1,1-Dichloroethane	ND		1600	610
75-35-4	1,1-Dichloroethene	ND		1600	460
120-82-1	1,2,4-Trichlorobenzene	ND		1600	660
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1600	620
106-93-4	1,2-Dibromoethane	ND		1600	1200
95-50-1	1,2-Dichlorobenzene	ND		1600	1300
107-06-2	1,2-Dichloroethane	ND		1600	340
78-87-5	1,2-Dichloropropane	ND		1600	1200
541-73-1	1,3-Dichlorobenzene	ND		1600	1200
106-46-7	1,4-Dichlorobenzene	ND		1600	1300
78-93-3	2-Butanone (MEK)	ND		16000	2100
591-78-6	2-Hexanone	ND		8000	2000
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		8000	3400
67-64-1	Acetone	ND		16000	4800
71-43-2	Benzene	ND		1600	660
75-27-4	Bromodichloromethane	ND		1600	620
75-25-2	Bromoform	ND		1600	420
74-83-9	Bromomethane	ND		1600	1100
75-15-0	Carbon disulfide	ND		1600	300
56-23-5	Carbon tetrachloride	ND		1600	430
108-90-7	Chlorobenzene	ND		1600	1200
75-00-3	Chloroethane	ND		1600	510
67-66-3	Chloroform	ND		1600	540
74-87-3	Chloromethane	ND		1600	560
156-59-2	cis-1,2-Dichloroethene	48000		1600	1300
10061-01-5	cis-1,3-Dichloropropene	ND		1600	580
110-82-7	Cyclohexane	ND		1600	290
124-48-1	Dibromochloromethane	ND		1600	510
75-71-8	Dichlorodifluoromethane	ND		1600	1100
100-41-4	Ethylbenzene	ND		1600	1200
98-82-8	Isopropylbenzene	ND		1600	1300

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1

SDG No.: _____

Client Sample ID: Duplicate DL Lab Sample ID: 480-26599-9 DL

Matrix: Water Lab File ID: G15833.D

Analysis Method: 8260B Date Collected: 10/12/2012 07:00

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 14:45

Soil Aliquot Vol: _____ Dilution Factor: 1600

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

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

Analysis Batch No.: 86398 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1600	800
1634-04-4	Methyl tert-butyl ether	ND		1600	260
108-87-2	Methylcyclohexane	ND		1600	260
75-09-2	Methylene Chloride	ND		1600	700
100-42-5	Styrene	ND		1600	1200
127-18-4	Tetrachloroethene	ND		1600	580
108-88-3	Toluene	ND		1600	820
156-60-5	trans-1,2-Dichloroethene	ND		1600	1400
10061-02-6	trans-1,3-Dichloropropene	ND		1600	590
79-01-6	Trichloroethene	89000		1600	740
75-69-4	Trichlorofluoromethane	ND		1600	1400
75-01-4	Vinyl chloride	2400		1600	1400
1330-20-7	Xylenes, Total	ND		3200	1100

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		66-137
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	112		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15833.D
 Lims ID: 480-26599-B-9 Client ID: Duplicate
 Inject. Date: 19-Oct-2012 14:45:30 Dil. Factor: 1600.0000
 Sample Type: Client
 Sample ID: 480-26599-B-9
 Misc. Info.: 480-0015869-010 =480-0015869-010
 Operator: TF Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 36
 Lims Batch ID: 86398 Lims Sample ID: 10
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G-8260.m
 Last Update: 19-Oct-2012 15:40:08 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK022

First Level Reviewer: larsonr

Date: 19-Oct-2012 17:42:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.742	0.0	95	800466	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	399804	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.997	-0.006	98	330921	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.352	0.0	0	173208	28.6	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.145	0.0	94	976783	28.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.870	-0.001	79	245979	24.8	
10 Dichlorodifluoromethane	85		1.432					
12 Chloromethane	50		1.615					
13 Vinyl chloride	62	1.725	1.712	0.013	54	16649	1.48	
14 Bromomethane	94		2.042					9
15 Chloroethane	64		2.127					
17 Trichlorofluoromethane	101		2.353					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.859					
20 1,1-Dichloroethene	96		2.865					
22 Acetone	43		2.974					
24 Carbon disulfide	76		3.072					
28 Methyl acetate	43		3.279					
29 Methylene Chloride	84	3.383	3.377	0.006	68	3098	0.2573	
31 Methyl tert-butyl ether	73		3.608					
32 trans-1,2-Dichloroethene	96		3.614					
36 1,1-Dichloroethane	63		4.023					9
43 cis-1,2-Dichloroethene	96	4.584	4.578	0.006	71	295350	29.8	
44 2-Butanone (MEK)	43		4.608					
50 Chloroform	85		4.883					
51 1,1,1-Trichloroethane	97		5.017					
52 Cyclohexane	56		5.035					
53 Carbon tetrachloride	117		5.157					
56 Benzene	78		5.364					9
57 1,2-Dichloroethane	62		5.419					
61 Trichloroethene	95	5.980	5.974	0.006	93	530844	55.6	
62 Methylcyclohexane	83		6.114					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.205					9
67 Dichlorobromomethane	83		6.492					9
72 cis-1,3-Dichloropropene	75		6.913					
73 4-Methyl-2-pentanone (MIBK)	43		7.053					
74 Toluene	92		7.211					
76 trans-1,3-Dichloropropene	75		7.473					
79 1,1,2-Trichloroethane	83		7.662					9
80 Tetrachloroethene	166		7.754					
82 2-Hexanone	43		7.888					
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.168					
86 Chlorobenzene	112		8.656					9
89 Ethylbenzene	91		8.754					9
90 m-Xylene & p-Xylene	106		8.876					9
91 o-Xylene	106		9.302					
92 Styrene	104		9.327					9
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680					9
98 1,1,2,2-Tetrachloroethane	83		10.052					9
110 1,3-Dichlorobenzene	146		10.930					
113 1,4-Dichlorobenzene	146		11.022					
116 1,2-Dichlorobenzene	146		11.369					9
117 1,2-Dibromo-3-Chloropropane	75		12.088					
119 1,2,4-Trichlorobenzene	180		12.771					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 17:42:22

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15833.D

Injection Date: 19-Oct-2012 14:45:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973G

Lims Batch ID: 86398

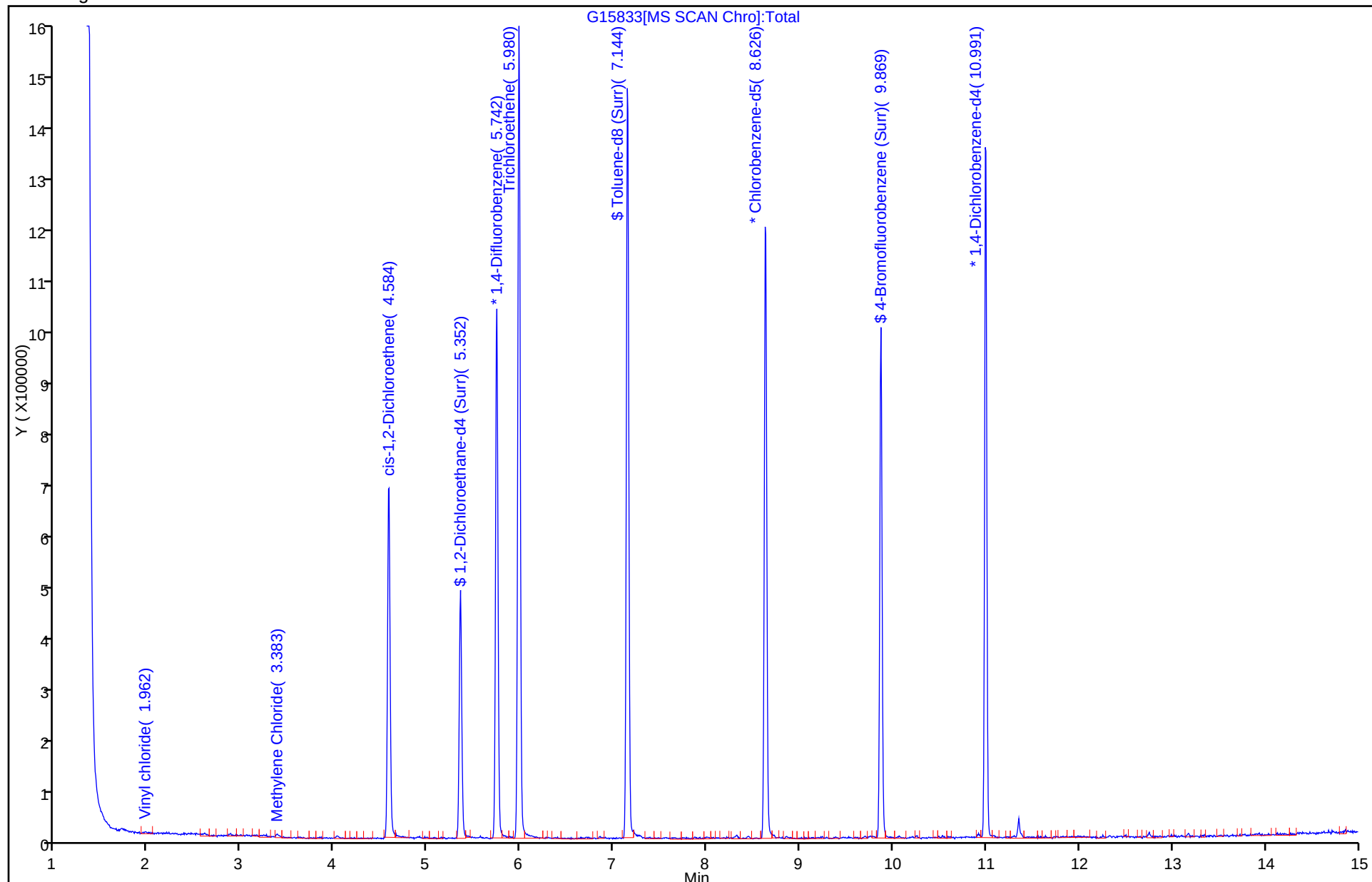
Lims Sample ID: 10

Operator ID: TF

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 19-Oct-2012 17:42:22

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:

\\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15833.D

Injection Date: 19-Oct-2012 14:45:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973G

Lims Batch ID: 86398

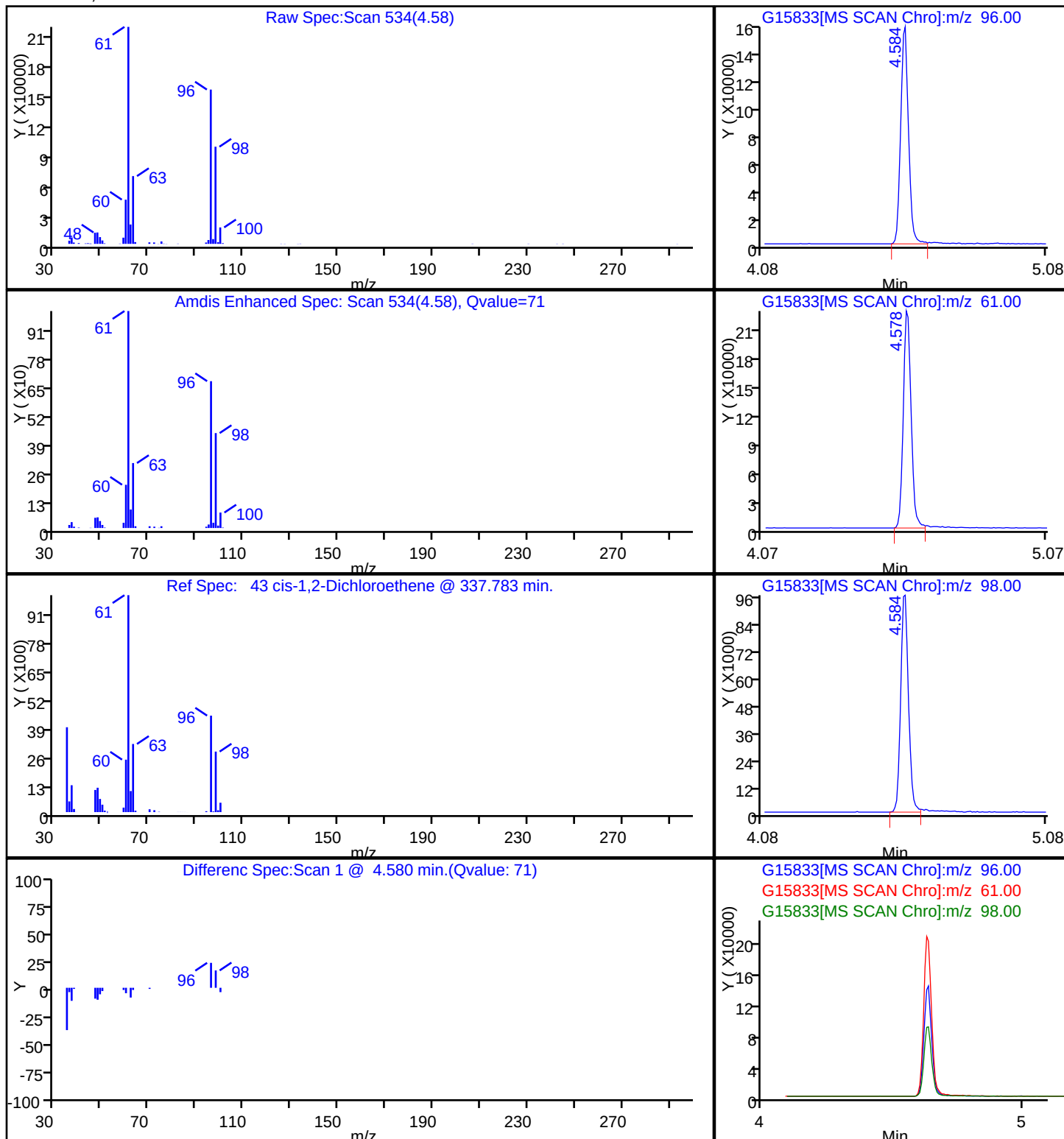
Lims Sample ID: 10

Operator ID: TF

Column Type: ZB-624

Column Dia: 0.25 mm

43 cis-1,2-Dichloroethene



Report Date: 19-Oct-2012 17:42:22

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15833.D

Injection Date: 19-Oct-2012 14:45:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973G

Lims Batch ID: 86398

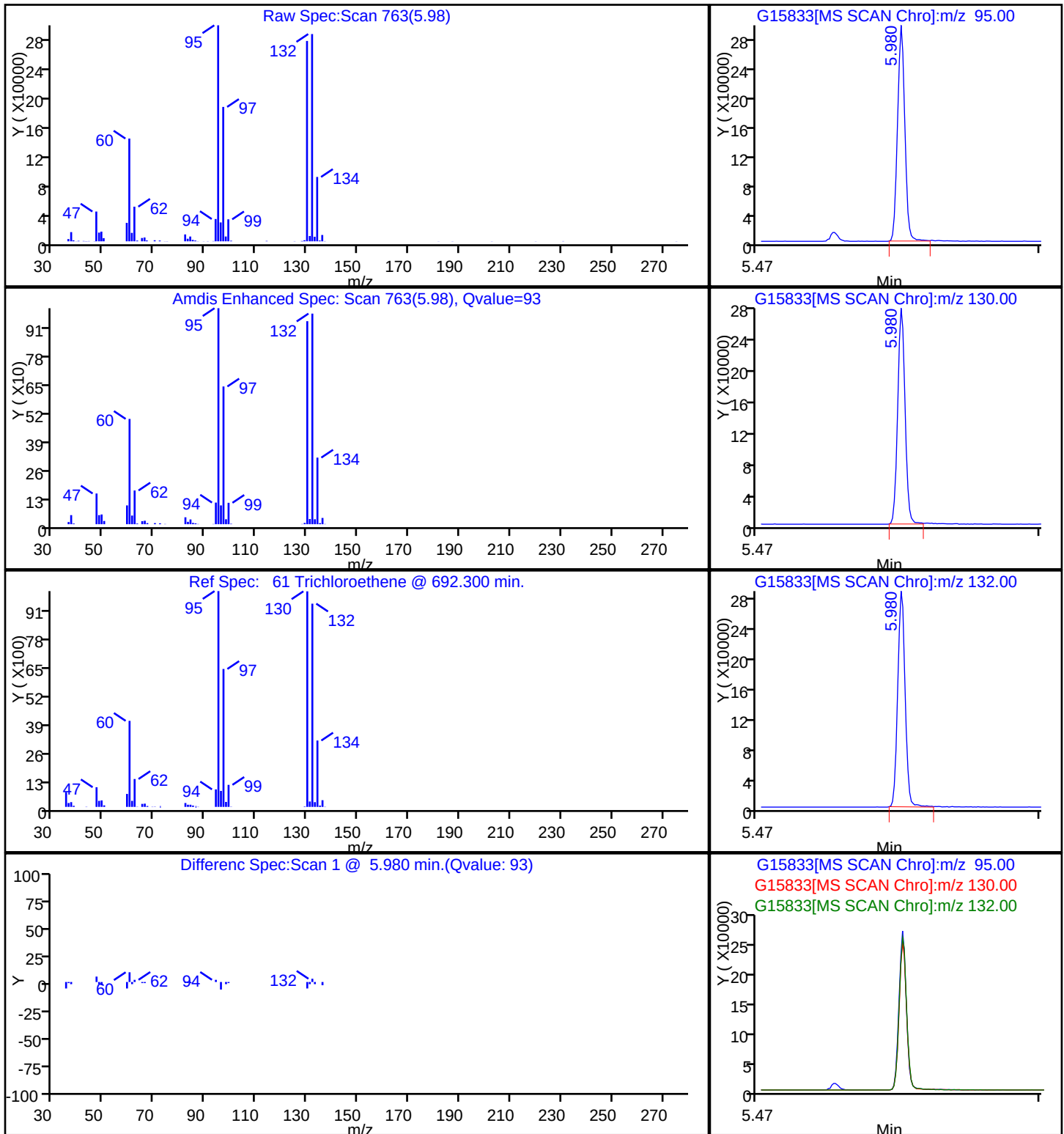
Lims Sample ID: 10

Operator ID: TF

Column Type: ZB-624

Column Dia: 0.25 mm

61 Trichloroethene



Report Date: 19-Oct-2012 17:42:22

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15833.D

Injection Date: 19-Oct-2012 14:45:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973G

Lims Batch ID: 86398

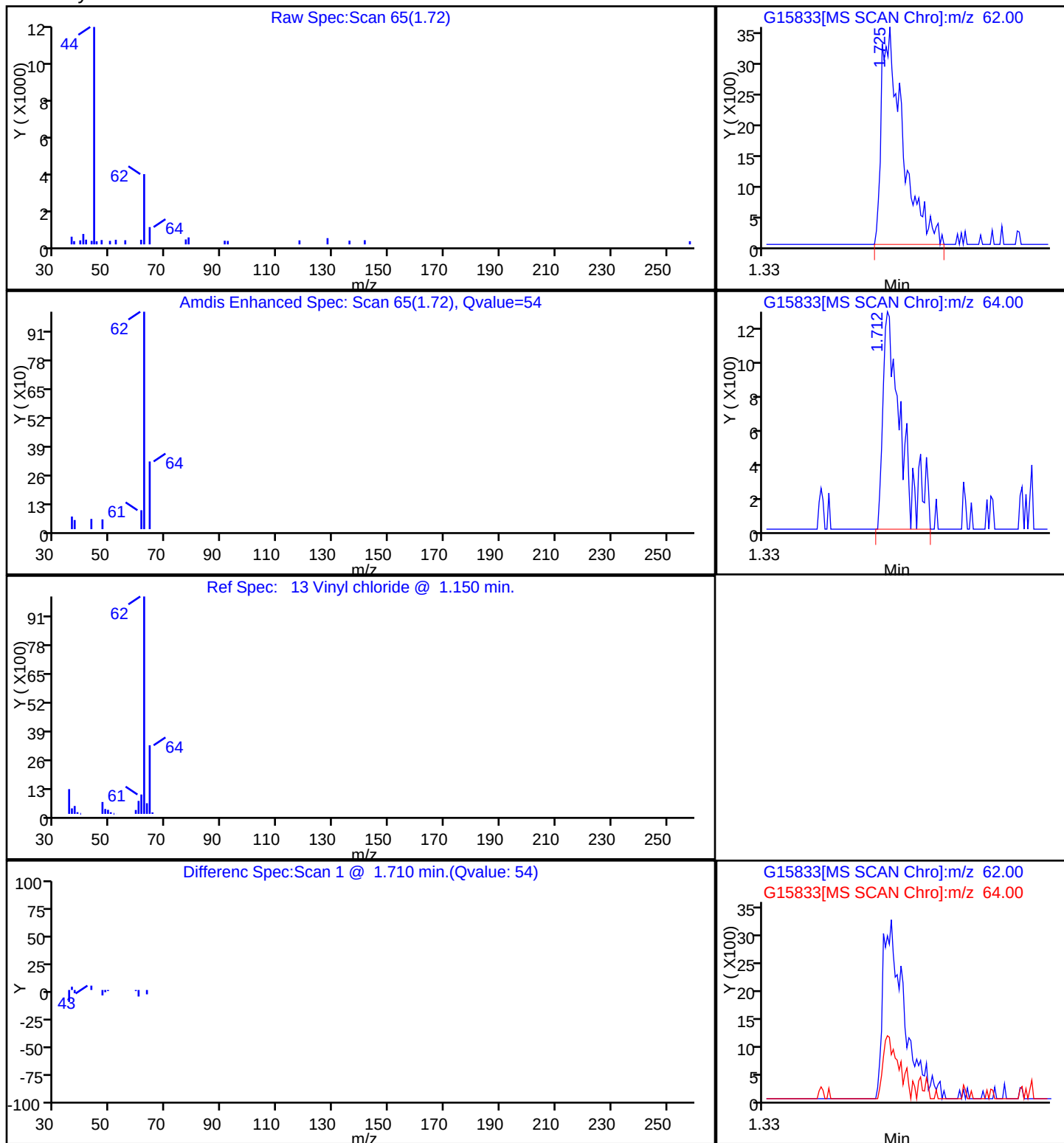
Lims Sample ID: 10

Operator ID: TF

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.: 480-26599-1

SDG No.: _____

Client Sample ID: Trip Blank Lab Sample ID: 480-26599-10

Matrix: Water Lab File ID: G15807.D

Analysis Method: 8260B Date Collected: 10/11/2012 07:00

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 03:33

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.: 86338 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.: 480-26599-1
 SDG No.: _____
 Client Sample ID: Trip Blank Lab Sample ID: 480-26599-10
 Matrix: Water Lab File ID: G15807.D
 Analysis Method: 8260B Date Collected: 10/11/2012 07:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 03:33
 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.: 86338 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)	120		66-137
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
2037-26-5	Toluene-d8 (Surr)	118		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15807.D
 Lims ID: 480-26599-A-10 Client ID: Trip Blank
 Inject. Date: 19-Oct-2012 03:33:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-26599-A-10
 Misc. Info.: 480-0015862-016 =480-0015862-016
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 86338 Lims Sample ID: 16
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 19-Oct-2012 12:58:09 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 19-Oct-2012 12:58:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	96	745158	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	381982	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	299547	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.346	0.006	0	169387	30.0	
\$ 5 Toluene-d8 (Surr)	98	7.150	7.144	0.006	95	989239	29.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.869	0.0	78	225339	23.8	
10 Dichlorodifluoromethane	85		1.420					
12 Chloromethane	50		1.609					9
13 Vinyl chloride	62		1.700					9
14 Bromomethane	94		2.011					
15 Chloroethane	64		2.121					
17 Trichlorofluoromethane	101		2.347					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.853					
20 1,1-Dichloroethene	96		2.865					
22 Acetone	43		2.974					
24 Carbon disulfide	76		3.060					
28 Methyl acetate	43		3.273					
29 Methylene Chloride	84		3.371					
31 Methyl tert-butyl ether	73		3.602					
32 trans-1,2-Dichloroethene	96		3.608					
36 1,1-Dichloroethane	63		4.017					
43 cis-1,2-Dichloroethene	96		4.572					9
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					
52 Cyclohexane	56		5.029					9
53 Carbon tetrachloride	117		5.157					
56 Benzene	78		5.364					9
57 1,2-Dichloroethane	62		5.419					9
61 Trichloroethene	95		5.974					9
62 Methylcyclohexane	83		6.108					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.206					9
67 Dichlorobromomethane	83		6.492					
72 cis-1,3-Dichloropropene	75		6.913					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					
74 Toluene	92		7.211					
76 trans-1,3-Dichloropropene	75		7.474					9
79 1,1,2-Trichloroethane	83		7.663					
80 Tetrachloroethene	166		7.754					9
82 2-Hexanone	43		7.888					
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.175					
86 Chlorobenzene	112		8.656					9
89 Ethylbenzene	91		8.754					9
90 m-Xylene & p-Xylene	106		8.876					
91 o-Xylene	106		9.302					9
92 Styrene	104		9.327					
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680					
98 1,1,2,2-Tetrachloroethane	83		10.052					9
110 1,3-Dichlorobenzene	146		10.930					9
113 1,4-Dichlorobenzene	146		11.016					9
116 1,2-Dichlorobenzene	146		11.369					
117 1,2-Dibromo-3-Chloropropane	75		12.082					
119 1,2,4-Trichlorobenzene	180		12.771					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 12:58:09

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15807.D

Injection Date: 19-Oct-2012 03:33:30

Limit Group: MV - 8260B ICAL

Client ID: Trip Blank

Instrument ID: HP5973G

Lims Batch ID: 86338

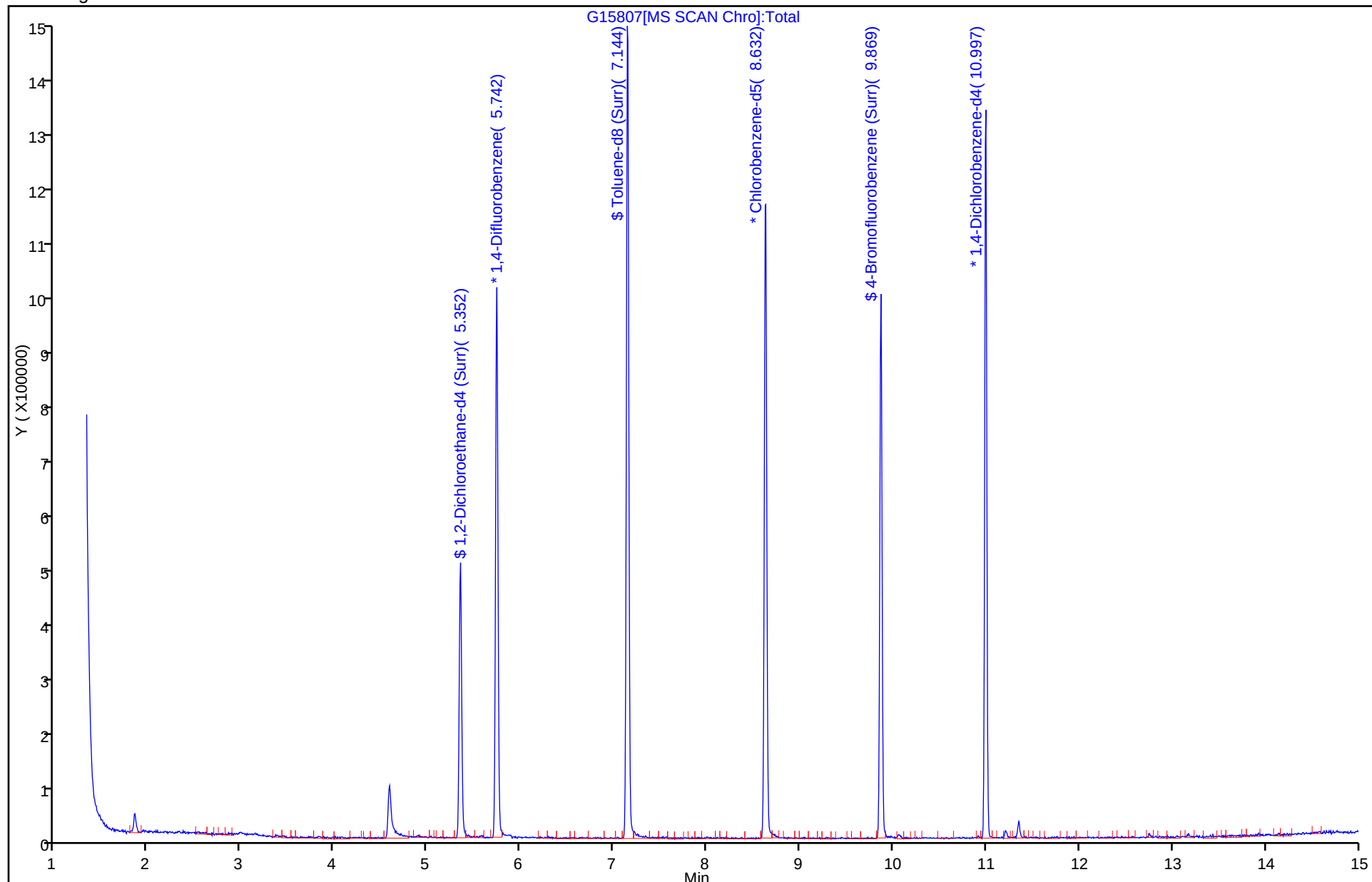
Lims Sample ID: 16

Operator ID: RAL

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.: 480-26599-1

SDG No.: _____

Client Sample ID: Rinse Blank Lab Sample ID: 480-26599-11

Matrix: Water Lab File ID: G15808.D

Analysis Method: 8260B Date Collected: 10/11/2012 07:15

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 03:55

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.: 86338 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.: 480-26599-1
 SDG No.: _____
 Client Sample ID: Rinse Blank Lab Sample ID: 480-26599-11
 Matrix: Water Lab File ID: G15808.D
 Analysis Method: 8260B Date Collected: 10/11/2012 07:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 03:55
 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.: 86338 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)	116		66-137
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
2037-26-5	Toluene-d8 (Surr)	109		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15808.D
 Lims ID: 480-26599-A-11 Client ID: Rinse Blank
 Inject. Date: 19-Oct-2012 03:55:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-26599-A-11
 Misc. Info.: 480-0015862-017 =480-0015862-017
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 86338 Lims Sample ID: 17
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 19-Oct-2012 12:58:09 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 19-Oct-2012 12:58:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	96	778507	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	402577	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	314779	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.346	0.006	0	170139	28.9	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.144	0.0	94	955435	27.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.869	0.0	79	220053	22.1	
10 Dichlorodifluoromethane	85		1.420					
12 Chloromethane	50		1.609					9
13 Vinyl chloride	62		1.700					
14 Bromomethane	94		2.011					9
15 Chloroethane	64		2.121					9
17 Trichlorofluoromethane	101		2.347					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.853					
20 1,1-Dichloroethene	96		2.865					9
22 Acetone	43		2.974					2
24 Carbon disulfide	76		3.060					
28 Methyl acetate	43		3.273					9
29 Methylene Chloride	84		3.371					
31 Methyl tert-butyl ether	73		3.602					
32 trans-1,2-Dichloroethene	96		3.608					
36 1,1-Dichloroethane	63		4.017					9
43 cis-1,2-Dichloroethene	96		4.572					
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					9
52 Cyclohexane	56		5.029					9
53 Carbon tetrachloride	117		5.157					
56 Benzene	78		5.364					9
57 1,2-Dichloroethane	62		5.419					9
61 Trichloroethene	95		5.974					9
62 Methylcyclohexane	83		6.108					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.206					
67 Dichlorobromomethane	83		6.492					
72 cis-1,3-Dichloropropene	75		6.913					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					
74 Toluene	92		7.211					
76 trans-1,3-Dichloropropene	75		7.474					
79 1,1,2-Trichloroethane	83		7.663					9
80 Tetrachloroethene	166		7.754					
82 2-Hexanone	43		7.888					9
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.175					
86 Chlorobenzene	112		8.656					
89 Ethylbenzene	91		8.754					
90 m-Xylene & p-Xylene	106		8.876					9
91 o-Xylene	106		9.302					
92 Styrene	104		9.327					
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680					9
98 1,1,2,2-Tetrachloroethane	83		10.052					9
110 1,3-Dichlorobenzene	146		10.930					
113 1,4-Dichlorobenzene	146		11.016					
116 1,2-Dichlorobenzene	146		11.369					
117 1,2-Dibromo-3-Chloropropane	75		12.082					
119 1,2,4-Trichlorobenzene	180		12.771					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

2 - Failed Coelution Test

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 12:58:14

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15808.D

Injection Date: 19-Oct-2012 03:55:30

Limit Group: MV - 8260B ICAL

Client ID: Rinse Blank

Instrument ID: HP5973G

Lims Batch ID: 86338

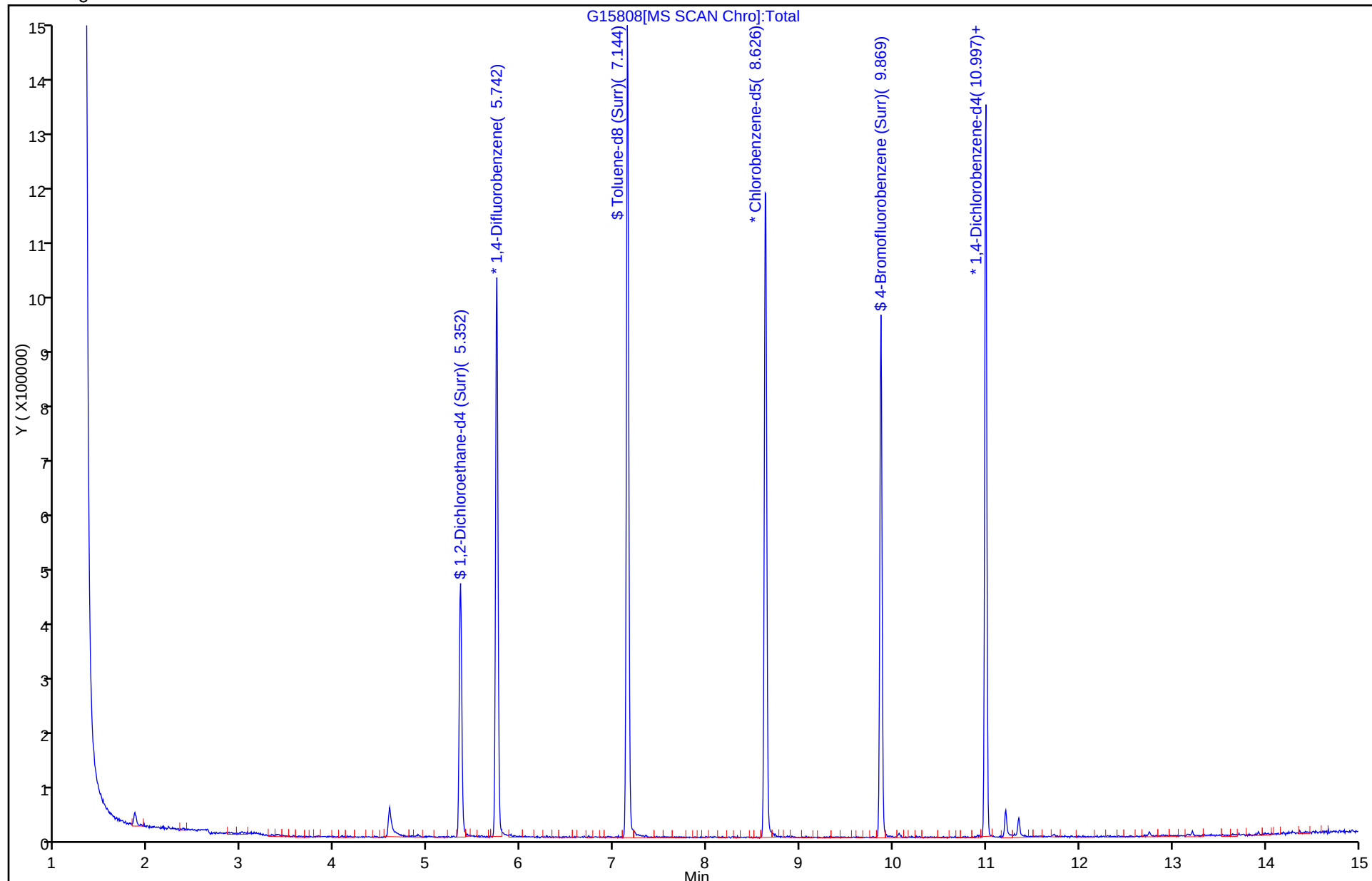
Lims Sample ID: 17

Operator ID: RAL

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.: 480-26599-1 Analy Batch No.: 82887

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2012 15:56 Calibration End Date: 09/28/2012 17:49 Calibration ID: 10708

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-82887/3	G14976.D
Level 2	IC 480-82887/4	G14977.D
Level 3	IC 480-82887/5	G14978.D
Level 4	ICIS 480-82887/6	G14979.D
Level 5	IC 480-82887/7	G14980.D
Level 6	IC 480-82887/8	G14981.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	0.3086 0.3633	0.2658	0.2859	0.3382	0.3583	Ave		0.3200				12.0		15.0			
Chloromethane	0.3616 0.4688	0.4068	0.3834	0.4497	0.4849	Ave		0.4259			0.1000	12.0		15.0			
Vinyl chloride	0.3417 0.3821	0.3122	0.3134	0.3671	0.3852	Ave		0.3503				9.4		30.0			
Bromomethane	0.1034 0.1481	0.1276	0.1247	0.1298	0.1476	Ave		0.1302				13.0		15.0			
Chloroethane	0.2566 0.1846	0.1693	0.1431	0.1626	0.1772	Lin1	0.0235	0.1769							0.9950		0.9900
Trichlorofluoromethane	0.1900 0.3763	0.2694	0.2929	0.3461	0.3703	Lin1	-0.280	0.3714							0.9970		0.9900
Acrolein	0.0239 0.0285	0.0269	0.0256	0.0286	0.0276	Ave		0.0269				6.8		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1107 0.1944	0.1186	0.1469	0.2038	0.2312	Qua	-0.700	0.2677	-0.001						0.9970		0.9900
1,1-Dichloroethene	0.3070 0.2372	0.1677	0.2006	0.2333	0.2290	Lin1	-0.010	0.2315							0.9960		0.9900
Acetone	0.1429 0.1497	0.1381	0.1358	0.1488	0.1469	Ave		0.1437				4.0		15.0			
Iodomethane	0.1446 0.2591	0.1882	0.1842	0.2043	0.2366	Lin1	-0.187	0.2455							0.9920		0.9900
Carbon disulfide	0.5932 0.7033	0.5370	0.5551	0.6392	0.7037	Ave		0.6219				12.0		15.0			
Acetonitrile	0.0223 0.0389	0.0426	0.0415	0.0389	0.0425	Lin1	-0.450	0.0404							0.9970		0.9900
Methyl acetate	0.6095 0.5165	0.5385	0.5891	0.5611	0.5726	Ave		0.5645				6.0		15.0			
Methylene Chloride	0.4551 0.3592	0.3630	0.3409	0.3657	0.3726	Ave		0.3761				11.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1 Analy Batch No.: 82887

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2012 15:56 Calibration End Date: 09/28/2012 17:49 Calibration ID: 10708

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	1.0351 1.0616	1.0896	1.0855	1.1149	1.1170	Ave		1.0839				2.9		15.0			
trans-1,2-Dichloroethene	0.2877 0.3174	0.3102	0.3016	0.3273	0.3359	Ave		0.3134				5.6		15.0			
Acrylonitrile	0.2117 0.2160	0.2053	0.2101	0.2270	0.2184	Ave		0.2148				3.5		15.0			
1,1-Dichloroethane	0.4732 0.5498	0.5022	0.5020	0.5529	0.5717	Ave		0.5253			0.1000	7.3		15.0			
Vinyl acetate	0.9259 0.7260	1.0284	0.9851	1.0261	0.9340	Ave		0.9376				12.0		15.0			
2,2-Dichloropropane	0.3312 0.3076	0.2644	0.2854	0.3142	0.3268	Ave		0.3049				8.4		15.0			
cis-1,2-Dichloroethene	0.2767 0.3153	0.3027	0.3038	0.3222	0.3385	Ave		0.3099				6.7		15.0			
2-Butanone (MEK)	0.2919 0.3120	0.3158	0.3231	0.3366	0.3281	Ave		0.3179				4.9		15.0			
Bromochloromethane	0.1334 0.1441	0.1340	0.1394	0.1504	0.1512	Ave		0.1421				5.5		15.0			
Tetrahydrofuran	0.2044 0.2186	0.2213	0.2243	0.2324	0.2247	Ave		0.2210				4.2		15.0			
Chloroform	0.2941 0.3107	0.3046	0.3031	0.3238	0.3267	Ave		0.3105				4.1		30.0			
1,1,1-Trichloroethane	0.2951 0.3918	0.3089	0.3191	0.3761	0.4032	Ave		0.3490				13.0		15.0			
Cyclohexane	0.3960 0.5151	0.3532	0.4004	0.4924	0.5389	Lin1	-0.295	0.5168							0.9950		0.9900
Carbon tetrachloride	0.2407 0.3692	0.2783	0.2964	0.3474	0.3675	Lin1	-0.216	0.3658							0.9980		0.9900
1,1-Dichloropropene	0.3521 0.4104	0.3606	0.3583	0.4232	0.4356	Ave		0.3900				9.5		15.0			
Benzene	1.1038 1.1767	1.1615	1.1510	1.2424	1.2649	Ave		1.1834				5.1		15.0			
1,2-Dichloroethane	0.4517 0.4786	0.4608	0.4794	0.4933	0.4982	Ave		0.4770				3.8		15.0			
Trichloroethene	0.2815 0.3094	0.2857	0.2793	0.3143	0.3196	Ave		0.2983				6.1		15.0			
Methylcyclohexane	0.3798 0.4635	0.3200	0.3722	0.4464	0.4876	Lin1	-0.239	0.4661							0.9960		0.9900
1,2-Dichloropropane	0.2992 0.3165	0.2994	0.3212	0.3228	0.3308	Ave		0.3150				4.1		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.: 480-26599-1 Analy Batch No.: 82887

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2012 15:56 Calibration End Date: 09/28/2012 17:49 Calibration ID: 10708

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	0.1993 0.1912	0.1854	0.1880	0.2012	0.2007	Ave		0.1943				3.6		15.0			
Bromodichloromethane	0.3302 0.3859	0.3427	0.3609	0.3777	0.3949	Ave		0.3654				6.9		15.0			
2-Chloroethyl vinyl ether	0.2351 0.2520	0.2662	0.2725	0.2814	0.2713	Ave		0.2631				6.4		15.0			
cis-1,3-Dichloropropene	0.4467 0.5057	0.4848	0.4950	0.5127	0.5214	Ave		0.4944				5.4		15.0			
4-Methyl-2-pentanone (MIBK)	1.1770 1.0327	1.2920	1.2799	1.2981	1.2379	Ave		1.2196				8.4		15.0			
Toluene	1.4143 1.5575	1.5289	1.5108	1.6365	1.6783	Ave		1.5544				6.1		30.0			
trans-1,3-Dichloropropene	0.8609 0.9728	0.9252	0.9266	0.9966	1.0149	Ave		0.9495				6.0		15.0			
Ethyl methacrylate	0.9554 1.1087	1.0759	1.0854	1.1287	1.1652	Ave		1.0865				6.6		15.0			
1,1,2-Trichloroethane	0.4609 0.4682	0.4796	0.4607	0.4864	0.4965	Ave		0.4754				3.1		15.0			
Tetrachloroethene	0.5342 0.5696	0.5165	0.4991	0.5781	0.6193	Ave		0.5528				8.0		15.0			
1,3-Dichloropropane	1.0632 1.0612	1.0925	1.0810	1.1066	1.1293	Ave		1.0889				2.4		15.0			
2-Hexanone	0.8188 0.8411	0.9475	0.9677	0.9966	0.9573	Ave		0.9215				7.9		15.0			
Dibromochloromethane	0.4641 0.5917	0.5324	0.5129	0.5664	0.6032	Ave		0.5451				9.6		15.0			
1,2-Dibromoethane	0.5601 0.5991	0.5999	0.5993	0.6087	0.6254	Ave		0.5988				3.6		15.0			
Chlorobenzene	1.5940 1.7340	1.6762	1.7176	1.7907	1.8522	Ave		1.7275			0.3000	5.2		15.0			
1,1,1,2-Tetrachloroethane	0.4400 0.5604	0.5317	0.5152	0.5635	0.5764	Ave		0.5312				9.4		15.0			
Ethylbenzene	2.6287 2.8613	2.9010	2.8587	3.0885	3.1321	Ave		2.9117				6.2		30.0			
m,p-Xylene	0.9384 1.0788	1.0567	1.0251	1.1388	1.1682	Ave		1.0677				7.7		15.0			
o-Xylene	0.9575 1.0855	1.0404	1.0315	1.0998	1.1547	Ave		1.0615				6.4		15.0			
Styrene	1.4405 1.7884	1.7352	1.7046	1.7868	1.8795	Ave		1.7225				8.7		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.: 480-26599-1 Analy Batch No.: 82887

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2012 15:56 Calibration End Date: 09/28/2012 17:49 Calibration ID: 10708

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	0.2894 0.4225	0.3319	0.3344	0.3741	0.4129	Ave		0.3609			0.1000	14.0		15.0			
Isopropylbenzene	2.7551 2.8752	2.8752	2.9607	3.2556	3.2235	Ave		2.9909				6.8		15.0			
Bromobenzene	0.6525 0.6855	0.7186	0.7065	0.7510	0.7348	Ave		0.7081				5.0		15.0			
1,1,2,2-Tetrachloroethane	0.9427 0.9740	1.0322	1.0270	1.0831	1.0278	Ave		1.0145			0.3000	4.9		15.0			
1,2,3-Trichloropropane	0.3382 0.2859	0.3557	0.3181	0.3370	0.3138	Ave		0.3248				7.5		15.0			
trans-1,4-Dichloro-2-butene	0.3629 0.3794	0.3933	0.4042	0.4309	0.4099	Ave		0.3968				6.0		15.0			
N-Propylbenzene	3.6145 3.4587	3.9978	4.0251	4.3084	4.1137	Ave		3.9197				8.2		15.0			
2-Chlorotoluene	0.7377 0.7200	0.7333	0.7121	0.7782	0.7631	Ave		0.7407				3.4		15.0			
1,3,5-Trimethylbenzene	2.3616 2.5636	2.6089	2.6056	2.7835	2.8133	Ave		2.6228				6.2		15.0			
4-Chlorotoluene	0.7612 0.7674	0.7799	0.7734	0.8317	0.8183	Ave		0.7886				3.7		15.0			
tert-Butylbenzene	0.5692 0.6128	0.5675	0.5898	0.6354	0.6396	Ave		0.6024				5.3		15.0			
1,2,4-Trimethylbenzene	2.5430 2.6434	2.6854	2.7222	2.8821	2.8704	Ave		2.7244				4.8		15.0			
sec-Butylbenzene	3.0234 3.1886	3.1854	3.2555	3.5968	3.5685	Ave		3.3030				7.0		15.0			
1,3-Dichlorobenzene	1.3751 1.4285	1.5236	1.5462	1.5631	1.5570	Ave		1.4989				5.2		15.0			
4-Isopropyltoluene	2.4591 2.7063	2.8148	2.8402	3.0771	3.0303	Ave		2.8213				8.0		15.0			
1,4-Dichlorobenzene	1.4675 1.5296	1.6270	1.6146	1.6510	1.6409	Ave		1.5884				4.6		15.0			
n-Butylbenzene	2.4831 2.6833	2.7332	2.7867	3.0567	3.0392	Ave		2.7970				7.9		15.0			
1,2-Dichlorobenzene	1.5024 1.4811	1.5516	1.5580	1.5970	1.5708	Ave		1.5435				2.8		15.0			
1,2-Dibromo-3-Chloropropane	0.2713 0.2688	0.2604	0.2694	0.2888	0.2643	Ave		0.2705				3.6		15.0			
1,2,4-Trichlorobenzene	1.0303 0.8945	1.1429	1.1799	1.0829	0.9642	Ave		1.0491				10.0		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.: 480-26599-1 Analy Batch No.: 82887

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2012 15:56 Calibration End Date: 09/28/2012 17:49 Calibration ID: 10708

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	0.3883 0.3302	0.4534	0.4130	0.3988	0.3574	Ave		0.3902				11.0		15.0			
Naphthalene	3.7834 3.0767	4.0018	4.0942	3.8531	3.3723	Ave		3.6969				11.0		15.0			
1,2,3-Trichlorobenzene	1.0353 0.7870	1.0955	1.0842	0.9506	0.8180	Ave		0.9618				14.0		15.0			
1,2-Dichloroethane-d4 (Surr)	0.1235 0.1890	0.1734	0.1699	0.1981	0.1929	Lin1	-0.076	0.1918							0.9990		0.9900
Toluene-d8 (Surr)	1.3347 2.1293	1.8150	2.0095	2.4113	2.2837	Lin1	-0.968	2.2184							0.9970		0.9900
4-Bromofluorobenzene (Surr)	0.3940 0.6296	0.5333	0.5689	0.6234	0.6355	Lin1	-0.301	0.6329							1.0000		0.9900

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.: 480-26599-1 Analy Batch No.: 82887

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2012 15:56 Calibration End Date: 09/28/2012 17:49 Calibration ID: 10708

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-82887/3	G14976.D
Level 2	IC 480-82887/4	G14977.D
Level 3	IC 480-82887/5	G14978.D
Level 4	ICIS 480-82887/6	G14979.D
Level 5	IC 480-82887/7	G14980.D
Level 6	IC 480-82887/8	G14981.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	11300 1318676	47817	105002	302101	643824	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	13241 1701438	73189	140784	401701	871428	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	12512 1386636	56167	115104	327926	692267	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	Ave	3788 537479	22957	45801	115994	265262	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Lin1	9395 669991	30455	52554	145240	318477	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Lin1	6958 1365672	48470	107548	309149	665396	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	17496 2070497	96962	188163	511543	991376	20.0 2000	100	200	500	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Qua	4055 705698	21345	53954	182091	415544	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloroethene	DFB	Lin1	11243 860985	30179	73659	208404	411449	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	26168 2716468	124219	249330	664568	1319666	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Lin1	5294 940287	33851	67626	182543	425207	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	21722 2552318	96605	203862	570965	1264470	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Lin1	32730 5651016	306522	608894	1391407	3057582	40.0 4000	200	400	1000	2000
Methyl acetate	DFB	Ave	22318 1874392	96881	216323	501229	1028921	1.00 100	5.00	10.0	25.0	50.0
Methylene Chloride	DFB	Ave	16664 1303683	65311	125181	326695	669603	1.00 100	5.00	10.0	25.0	50.0
Methyl tert-butyl ether	DFB	Ave	37905 3853028	196022	398615	995906	2007214	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.: 480-26599-1 Analy Batch No.: 82887

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2012 15:56 Calibration End Date: 09/28/2012 17:49 Calibration ID: 10708

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	10535 1151903	55813	110746	292411	603621	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	38753 3919702	184712	385853	1014038	1962615	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	17329 1995434	90345	184339	493907	1027315	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Ave	169531 13175098	925127	1808830	4582904	8392102	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	12128 1116474	47575	104811	280679	587210	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	10134 1144225	54461	111568	287784	608267	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	53439 5662477	284033	593303	1503615	2948230	5.00 500	25.0	50.0	125	250
Bromochloromethane	DFB	Ave	4885 522940	24116	51181	134377	271679	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	37426 3967594	199095	411878	1037946	2018639	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	10769 1127509	54809	111301	289274	587094	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Ave	10807 1421891	55578	117192	336006	724485	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Lin1	14502 1869568	63541	147042	439888	968381	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Lin1	8815 1339867	50071	108844	310337	660459	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	12892 1489517	64884	131587	378079	782687	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	40420 4270739	208973	422688	1109849	2272956	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	16540 1736979	82910	176058	440666	895301	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	10308 1122853	51406	102567	280769	574238	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Lin1	13908 1682199	57564	136681	398729	876245	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	10955 1148617	53861	117946	288381	594520	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	7297 693876	33364	69021	179739	360623	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Ave	12091 1400429	61662	132539	337410	709686	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.: 480-26599-1 Analy Batch No.: 82887

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2012 15:56 Calibration End Date: 09/28/2012 17:49 Calibration ID: 10708

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	43054 4572918	239461	500275	1256931	2437520	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Ave	16358 1835218	87217	181784	457998	936921	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	106366 9443979	575172	1165548	2903768	5494287	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	25563 2848766	136128	275178	732189	1489822	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	15561 1779392	82382	168773	445859	900948	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Ave	17268 2027915	95793	197691	505002	1034328	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	8331 856306	42705	83906	217601	440774	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	9656 1041885	45984	90902	258645	549707	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	19216 1941068	97275	196884	495084	1002428	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	73997 7691893	421830	881283	2229391	4248853	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	Ave	8388 1082178	47403	93415	253389	535421	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	10123 1095797	53414	109164	272345	555189	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	28811 3171589	149248	312845	801173	1644191	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	7952 1025043	47345	93839	252114	511675	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	47512 5233537	258303	520669	1381809	2780355	1.00 100	5.00	10.0	25.0	50.0
m,p-Xylene	CBZ	Ave	33924 3946575	188179	373427	1019025	2073918	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	17306 1985456	92634	187872	492031	1024981	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	26037 3271203	154497	310464	799418	1668427	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	Ave	5230 772752	29553	60909	167383	366542	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	43724 5129266	229019	476998	1281481	2675063	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	10356 1222868	57238	113819	295630	609755	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.: 480-26599-1 Analy Batch No.: 82887

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2012 15:56 Calibration End Date: 09/28/2012 17:49 Calibration ID: 10708

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	14961 1737610	82222	165458	426342	852968	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	5368 510012	28334	51248	132655	260404	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	28798 3384115	156626	325615	848052	1700882	5.00 500	25.0	50.0	125	250
N-Propylbenzene	DCB	Ave	57363 6170174	318438	648497	1695892	3413864	1.00 100	5.00	10.0	25.0	50.0
2-Chlorotoluene	DCB	Ave	11707 1284439	58413	114723	306301	633259	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	37480 4573305	207813	419799	1095661	2334656	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	12080 1369043	62120	124604	327381	679049	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	9033 1093137	45205	95029	250092	530767	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	40359 4715698	213907	438574	1134448	2382101	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	47983 5688345	253733	524496	1415805	2961358	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	21823 2548443	121361	249107	615291	1292118	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	39027 4827814	224212	457589	1211227	2514747	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	23290 2728696	129598	260130	649882	1361737	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	39407 4786914	217714	448975	1203178	2522174	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	23844 2642151	123594	251015	628626	1303585	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	4305 479569	20745	43411	113680	219342	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	16351 1595768	91033	190100	426248	800135	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DCB	Ave	6162 589115	36112	66546	156971	296577	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DCB	Ave	60043 5488621	318758	659628	1516660	2798606	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	16431 1403919	87261	174677	374160	678857	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Lin1	4523 685831	31188	62390	176924	346687	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.: 480-26599-1 Analy Batch No.: 82887

SDG No.: _____

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/28/2012 15:56 Calibration End Date: 09/28/2012 17:49 Calibration ID: 10708

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	Lin1	24125 3894659	161608	366004	1078817	2027249	1.00 100	5.00	10.0	25.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Lin1	7122 1151628	47481	103621	278903	564096	1.00 100	5.00	10.0	25.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14976.D
 Lims ID: IC Client ID:
 Inject. Date: 28-Sep-2012 15:56:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: IC
 Misc. Info.: 480-0015247-003 =480-0015247-003
 Operator: TF Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 82887 Lims Sample ID: 3
 Sublist: chrom-G-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G-8260.m
 Last Update: 28-Sep-2012 23:28:47 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK029

First Level Reviewer: HillL

Date: 28-Sep-2012 23:28:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.742	0.0	95	915479	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	87	451864	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	396758	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	4523	1.04	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.145	-0.001	85	24125	1.04	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.870	-0.001	72	7122	1.10	
10 Dichlorodifluoromethane	85	1.420	1.426	-0.006	61	11300	0.9643	
12 Chloromethane	50	1.615	1.609	0.006	82	13241	0.8491	
13 Vinyl chloride	62	1.713	1.713	0.0	66	12512	0.9754	
14 Bromomethane	94	2.084	2.054	0.030	24	3788	0.7944	
15 Chloroethane	64	2.158	2.139	0.019	31	9395	1.32	
17 Trichlorofluoromethane	101	2.340	2.359	-0.019	27	6958	1.41	
19 Acrolein	56	2.816	2.816	0.0	91	17496	17.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.865	2.865	0.0	27	4055	3.05	
20 1,1-Dichloroethene	96	2.901	2.871	0.030	57	11243	1.34	
22 Acetone	43	2.974	2.975	-0.001	89	26168	4.97	
23 Iodomethane	142	3.023	3.042	-0.019	44	5294	1.35	
24 Carbon disulfide	76	3.072	3.078	-0.006	98	21722	0.9538	
27 Acetonitrile	40	3.267	3.273	-0.006	99	32730	33.3	
28 Methyl acetate	43	3.273	3.279	-0.006	40	22318	1.08	
29 Methylene Chloride	84	3.377	3.389	-0.012	84	16664	1.21	
31 Methyl tert-butyl ether	73	3.615	3.609	0.006	91	37905	0.9550	
32 trans-1,2-Dichloroethene	96	3.615	3.615	0.0	41	10535	0.9181	
33 Acrylonitrile	53	3.639	3.645	-0.006	97	38753	4.93	
36 1,1-Dichloroethane	63	4.023	4.023	0.0	78	17329	0.9009	
38 Vinyl acetate	43	4.078	4.078	0.0	96	169531	4.94	
42 2,2-Dichloropropane	77	4.560	4.547	0.013	62	12128	1.09	
43 cis-1,2-Dichloroethene	96	4.578	4.578	0.0	66	10134	0.8931	
44 2-Butanone (MEK)	43	4.620	4.608	0.012	98	53439	4.59	
48 Chlorobromomethane	128	4.816	4.810	0.006	87	4885	0.9389	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.864	4.840	0.024	93	37426	4.63	
50 Chloroform	85	4.883	4.889	-0.006	76	10769	0.9471	
51 1,1,1-Trichloroethane	97	5.011	5.017	-0.006	86	10807	0.8455	
52 Cyclohexane	56	5.035	5.035	0.0	81	14502	1.34	
53 Carbon tetrachloride	117	5.163	5.157	0.006	50	8815	1.25	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	78	12892	0.9026	
56 Benzene	78	5.364	5.364	0.0	95	40420	0.9327	
57 1,2-Dichloroethane	62	5.419	5.419	0.0	85	16540	0.9469	
61 Trichloroethene	95	5.980	5.980	0.0	83	10308	0.9437	
62 Methylcyclohexane	83	6.114	6.114	0.0	86	13908	1.33	
63 1,2-Dichloropropane	63	6.206	6.206	0.0	90	10955	0.9498	
65 Dibromomethane	93	6.340	6.340	0.0	83	7297	1.03	
67 Dichlorobromomethane	83	6.492	6.492	0.0	83	12091	0.9036	
70 2-Chloroethyl vinyl ether	63	6.766	6.767	-0.001	90	43054	4.47	
72 cis-1,3-Dichloropropene	75	6.913	6.913	0.0	71	16358	0.9036	
73 4-Methyl-2-pentanone (MIBK)	43	7.059	7.053	0.006	99	106366	4.83	
74 Toluene	92	7.211	7.212	-0.001	97	25563	0.9099	
76 trans-1,3-Dichloropropene	75	7.480	7.474	0.006	93	15561	0.9067	
78 Ethyl methacrylate	69	7.528	7.529	-0.001	86	17268	0.8793	
79 1,1,2-Trichloroethane	83	7.669	7.663	0.006	81	8331	0.9696	
80 Tetrachloroethene	166	7.754	7.754	0.0	87	9656	0.9664	
81 1,3-Dichloropropane	76	7.827	7.827	0.0	88	19216	0.9763	
82 2-Hexanone	43	7.894	7.888	0.006	98	73997	4.44	
83 Chlorodibromomethane	129	8.065	8.065	0.0	72	8388	0.8514	
84 Ethylene Dibromide	107	8.181	8.175	0.006	71	10123	0.9354	
86 Chlorobenzene	112	8.656	8.656	0.0	81	28811	0.9227	
88 1,1,1,2-Tetrachloroethane	131	8.748	8.754	-0.006	35	7952	0.8282	
89 Ethylbenzene	91	8.754	8.754	0.0	97	47512	0.9028	
90 m-Xylene & p-Xylene	106	8.876	8.876	0.0	96	33924	1.76	
91 o-Xylene	106	9.303	9.303	-0.001	95	17306	0.9020	
92 Styrene	104	9.327	9.327	0.0	88	26037	0.8363	
93 Bromoform	173	9.559	9.565	-0.006	71	5230	0.8018	
95 Isopropylbenzene	105	9.680	9.681	-0.001	93	43724	0.9212	
97 Bromobenzene	156	10.022	10.022	0.0	91	10356	0.9215	
98 1,1,2,2-Tetrachloroethane	83	10.052	10.052	0.0	85	14961	0.9292	
99 1,2,3-Trichloropropane	110	10.095	10.089	0.006	55	5368	1.04	
101 N-Propylbenzene	91	10.101	10.101	0.0	92	57363	0.9221	
100 trans-1,4-Dichloro-2-butene	53	10.101	10.101	0.0	65	28798	4.57	
102 2-Chlorotoluene	126	10.205	10.205	0.0	93	11707	1.00	
104 1,3,5-Trimethylbenzene	105	10.278	10.278	0.0	93	37480	0.9004	
105 4-Chlorotoluene	126	10.315	10.315	-0.001	94	12080	0.9652	
106 tert-Butylbenzene	134	10.595	10.595	0.0	89	9033	0.9449	
107 1,2,4-Trimethylbenzene	105	10.644	10.644	0.0	90	40359	0.9334	
109 sec-Butylbenzene	105	10.796	10.802	-0.006	90	47983	0.9153	
110 1,3-Dichlorobenzene	146	10.936	10.930	0.006	89	21823	0.9174	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	94	39027	0.8716	
113 1,4-Dichlorobenzene	146	11.022	11.016	0.006	82	23290	0.9239	
115 n-Butylbenzene	91	11.320	11.321	-0.001	97	39407	0.8877	
116 1,2-Dichlorobenzene	146	11.369	11.369	0.0	91	23844	0.9734	
117 1,2-Dibromo-3-Chloropropane	75	12.082	12.083	-0.001	44	4305	1.00	
119 1,2,4-Trichlorobenzene	180	12.765	12.771	-0.006	83	16351	0.9821	
120 Hexachlorobutadiene	225	12.887	12.887	0.0	76	6162	1.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.979	12.979	0.0	96	60043	1.02	
122 1,2,3-Trichlorobenzene	180	13.186	13.186	0.0	91	16431	1.08	
S 123 Total BTEX	1				0		5.41	
S 124 Xylenes, Total	1				0		2.66	
S 125 1,2-Dichloroethene, Total	1				0		1.81	
S 126 1,3-Dichloropropene, Total	1				0		1.81	

Report Date: 28-Sep-2012 23:28:47

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14976.D

Injection Date: 28-Sep-2012 15:56:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973G

Lims Batch ID: 82887

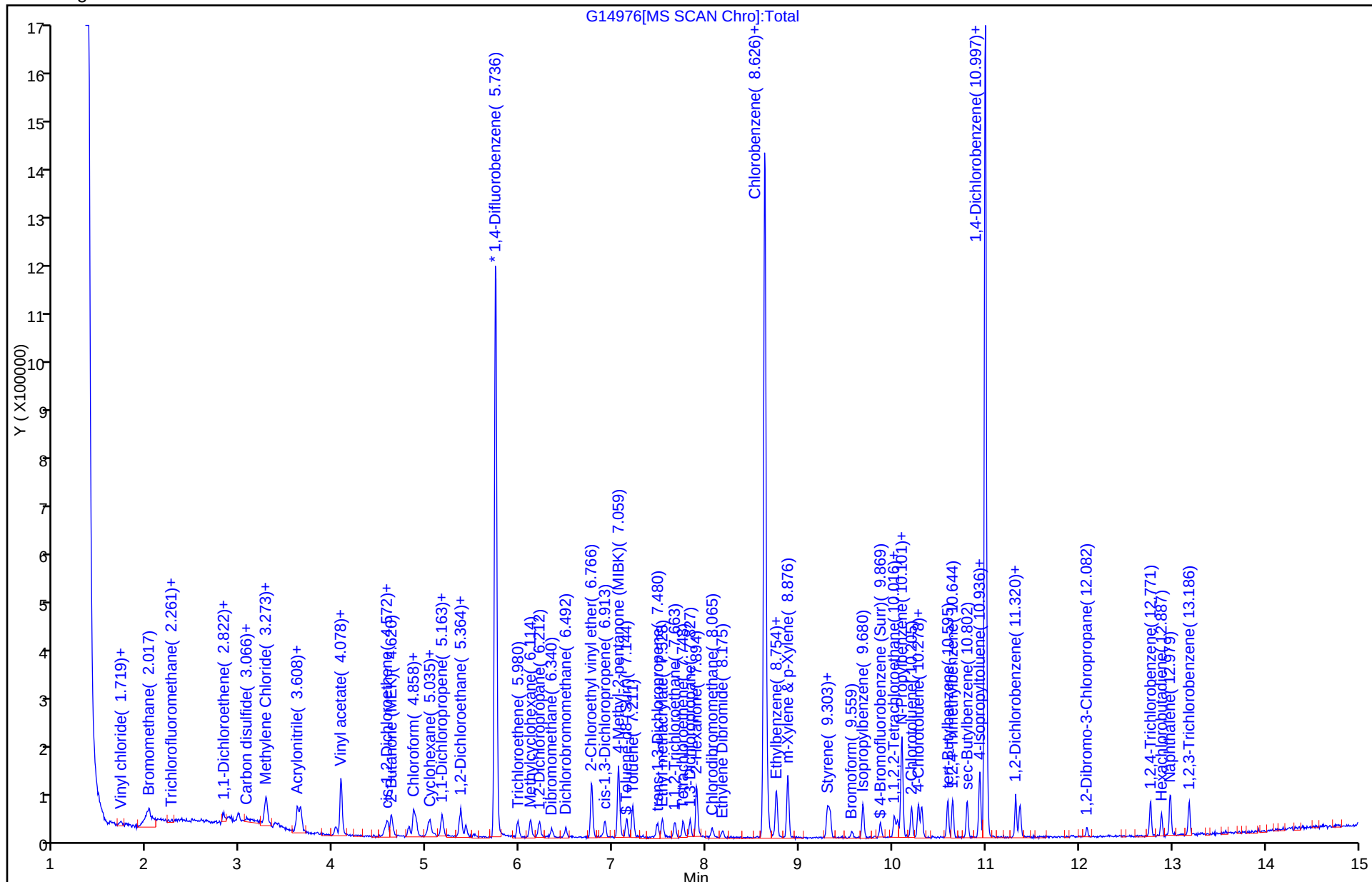
Lims Sample ID: 3

Operator ID: TF

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14977.D
 Lims ID: IC 2 Client ID:
 Inject. Date: 28-Sep-2012 16:18:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: IC 2
 Misc. Info.: 480-0015247-004 =480-0015247-004
 Operator: TF Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 82887 Lims Sample ID: 4
 Sublist: chrom-G-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G-8260.m
 Last Update: 28-Sep-2012 23:29:52 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK029

First Level Reviewer: HillL

Date: 28-Sep-2012 23:29:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.742	-0.006	96	899547	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	87	445193	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	96	398271	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	31188	4.92	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.145	-0.001	93	161608	4.53	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.870	-0.001	82	47481	4.69	
10 Dichlorodifluoromethane	85	1.426	1.426	0.0	86	47817	4.15	
12 Chloromethane	50	1.615	1.609	0.006	99	73189	4.78	
13 Vinyl chloride	62	1.713	1.713	-0.001	73	56167	4.46	
14 Bromomethane	94	2.011	2.054	-0.043	87	22957	4.90	
15 Chloroethane	64	2.145	2.139	0.006	54	30455	4.65	
17 Trichlorofluoromethane	101	2.353	2.353	0.0	80	48470	4.38	M
19 Acrolein	56	2.816	2.816	0.0	93	96962	100.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.859	2.865	-0.006	50	21345	4.89	
20 1,1-Dichloroethene	96	2.871	2.871	0.0	78	30179	3.66	
22 Acetone	43	2.974	2.975	-0.001	97	124219	24.0	
23 Iodomethane	142	3.035	3.042	-0.007	95	33851	4.59	
24 Carbon disulfide	76	3.072	3.078	-0.006	98	96605	4.32	
27 Acetonitrile	40	3.267	3.273	-0.006	100	306522	222.2	M
28 Methyl acetate	43	3.273	3.279	-0.006	96	96881	4.77	
29 Methylene Chloride	84	3.383	3.389	-0.006	87	65311	4.83	
31 Methyl tert-butyl ether	73	3.608	3.609	-0.001	98	196022	5.03	
32 trans-1,2-Dichloroethene	96	3.608	3.615	-0.007	45	55813	4.95	
33 Acrylonitrile	53	3.645	3.645	0.0	98	184712	23.9	
36 1,1-Dichloroethane	63	4.023	4.023	0.0	85	90345	4.78	
38 Vinyl acetate	43	4.078	4.078	0.0	97	925127	27.4	
42 2,2-Dichloropropane	77	4.547	4.547	0.0	89	47575	4.34	
43 cis-1,2-Dichloroethene	96	4.572	4.578	-0.006	72	54461	4.88	
44 2-Butanone (MEK)	43	4.614	4.608	0.006	99	284033	24.8	
48 Chlorobromomethane	128	4.809	4.810	-0.001	86	24116	4.72	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.852	4.840	0.012	94	199095	25.0	
50 Chloroform	85	4.883	4.889	-0.006	83	54809	4.91	
51 1,1,1-Trichloroethane	97	5.011	5.017	-0.006	90	55578	4.43	
52 Cyclohexane	56	5.035	5.035	0.0	93	63541	3.99	
53 Carbon tetrachloride	117	5.157	5.157	0.0	73	50071	4.39	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	89	64884	4.62	
56 Benzene	78	5.370	5.364	0.006	97	208973	4.91	
57 1,2-Dichloroethane	62	5.419	5.419	0.0	89	82910	4.83	
61 Trichloroethene	95	5.980	5.980	0.0	92	51406	4.79	
62 Methylcyclohexane	83	6.114	6.114	0.0	98	57564	3.94	
63 1,2-Dichloropropane	63	6.206	6.206	0.0	91	53861	4.75	
65 Dibromomethane	93	6.346	6.340	0.006	96	33364	4.77	
67 Dichlorobromomethane	83	6.492	6.492	0.0	90	61662	4.69	
70 2-Chloroethyl vinyl ether	63	6.766	6.767	-0.001	89	239461	25.3	
72 cis-1,3-Dichloropropene	75	6.913	6.913	0.0	81	87217	4.90	
73 4-Methyl-2-pentanone (MIBK)	43	7.053	7.053	0.0	99	575172	26.5	
74 Toluene	92	7.211	7.212	-0.001	97	136128	4.92	
76 trans-1,3-Dichloropropene	75	7.474	7.474	0.0	95	82382	4.87	
78 Ethyl methacrylate	69	7.528	7.529	-0.001	92	95793	4.95	
79 1,1,2-Trichloroethane	83	7.663	7.663	0.0	86	42705	5.04	
80 Tetrachloroethene	166	7.754	7.754	0.0	89	45984	4.67	
81 1,3-Dichloropropane	76	7.827	7.827	0.0	98	97275	5.02	
82 2-Hexanone	43	7.894	7.888	0.006	99	421830	25.7	
83 Chlorodibromomethane	129	8.065	8.065	0.0	89	47403	4.88	
84 Ethylene Dibromide	107	8.175	8.175	0.0	97	53414	5.01	
86 Chlorobenzene	112	8.656	8.656	0.0	84	149248	4.85	
88 1,1,1,2-Tetrachloroethane	131	8.754	8.754	0.0	37	47345	5.00	
89 Ethylbenzene	91	8.754	8.754	0.0	99	258303	4.98	
90 m-Xylene & p-Xylene	106	8.876	8.876	0.0	98	188179	9.90	
91 o-Xylene	106	9.302	9.303	-0.001	98	92634	4.90	
92 Styrene	104	9.327	9.327	0.0	96	154497	5.04	
93 Bromoform	173	9.571	9.565	0.006	93	29553	4.60	
95 Isopropylbenzene	105	9.680	9.681	-0.001	96	229019	4.81	
97 Bromobenzene	156	10.022	10.022	0.0	96	57238	5.07	
98 1,1,2,2-Tetrachloroethane	83	10.052	10.052	0.0	86	82222	5.09	
99 1,2,3-Trichloropropane	110	10.089	10.089	0.0	76	28334	5.48	
101 N-Propylbenzene	91	10.101	10.101	0.0	94	318438	5.10	
100 trans-1,4-Dichloro-2-butene	53	10.101	10.101	0.0	70	156626	24.8	
102 2-Chlorotoluene	126	10.205	10.205	0.0	95	58413	4.95	
104 1,3,5-Trimethylbenzene	105	10.278	10.278	0.0	88	207813	4.97	
105 4-Chlorotoluene	126	10.314	10.315	-0.001	90	62120	4.94	
106 tert-Butylbenzene	134	10.595	10.595	0.0	93	45205	4.71	
107 1,2,4-Trimethylbenzene	105	10.644	10.644	0.0	97	213907	4.93	
109 sec-Butylbenzene	105	10.802	10.802	0.0	94	253733	4.82	
110 1,3-Dichlorobenzene	146	10.930	10.930	0.0	94	121361	5.08	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	96	224212	4.99	
113 1,4-Dichlorobenzene	146	11.022	11.016	0.006	90	129598	5.12	
115 n-Butylbenzene	91	11.320	11.321	-0.001	97	217714	4.89	
116 1,2-Dichlorobenzene	146	11.369	11.369	0.0	92	123594	5.03	
117 1,2-Dibromo-3-Chloropropane	75	12.082	12.083	-0.001	67	20745	4.81	
119 1,2,4-Trichlorobenzene	180	12.771	12.771	0.0	92	91033	5.45	
120 Hexachlorobutadiene	225	12.887	12.887	0.0	92	36112	5.81	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.985	12.979	0.006	97	318758	5.41	
122 1,2,3-Trichlorobenzene	180	13.186	13.186	0.0	91	87261	5.70	
S 123 Total BTEX	1				0		29.6	
S 124 Xylenes, Total	1				0		14.8	
S 125 1,2-Dichloroethene, Total	1				0		9.83	
S 126 1,3-Dichloropropene, Total	1				0		9.78	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 28-Sep-2012 23:29:52

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14977.D

Injection Date: 28-Sep-2012 16:18:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973G

Lims Batch ID: 82887

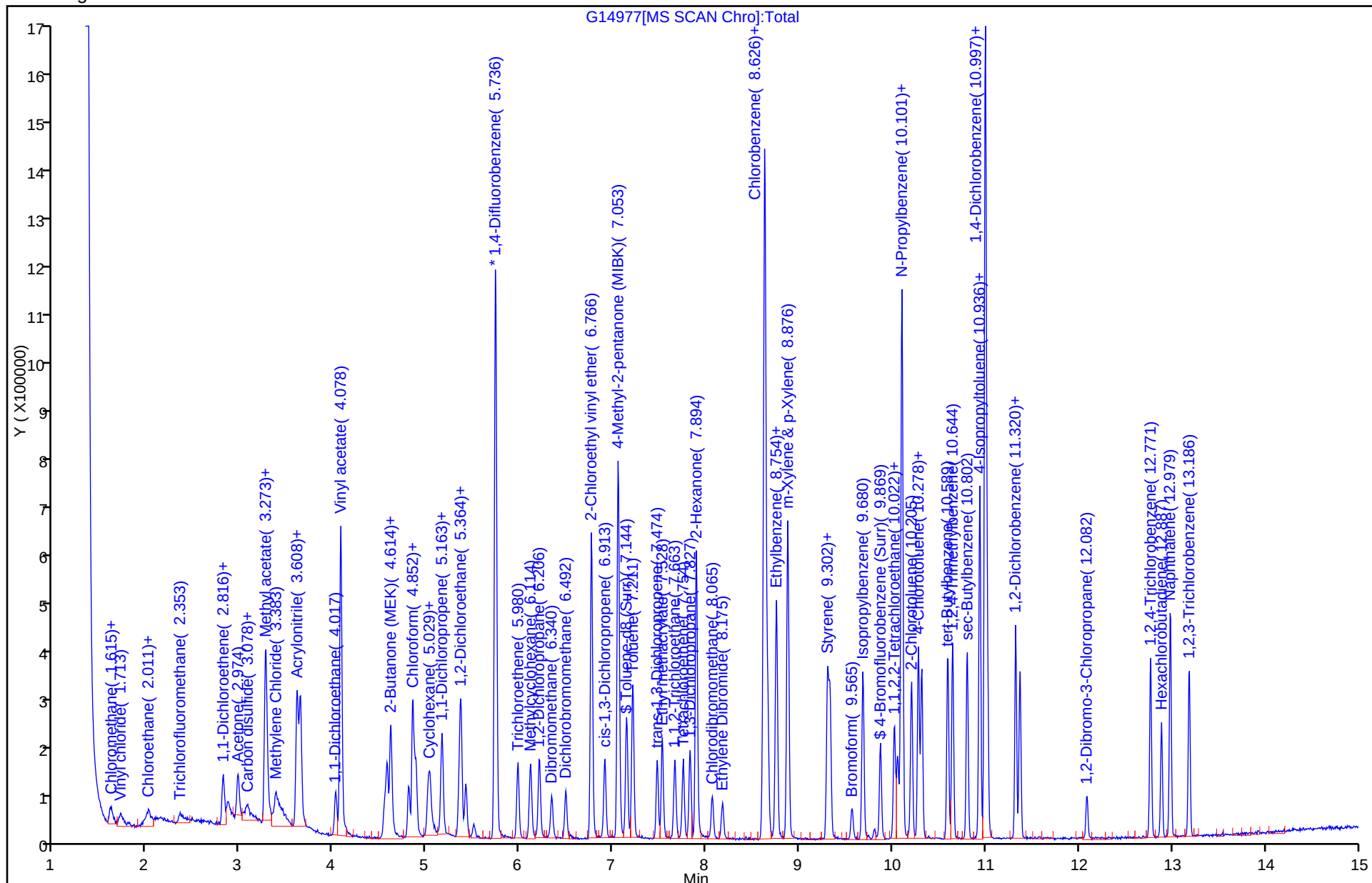
Lims Sample ID: 4

Operator ID: TF

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

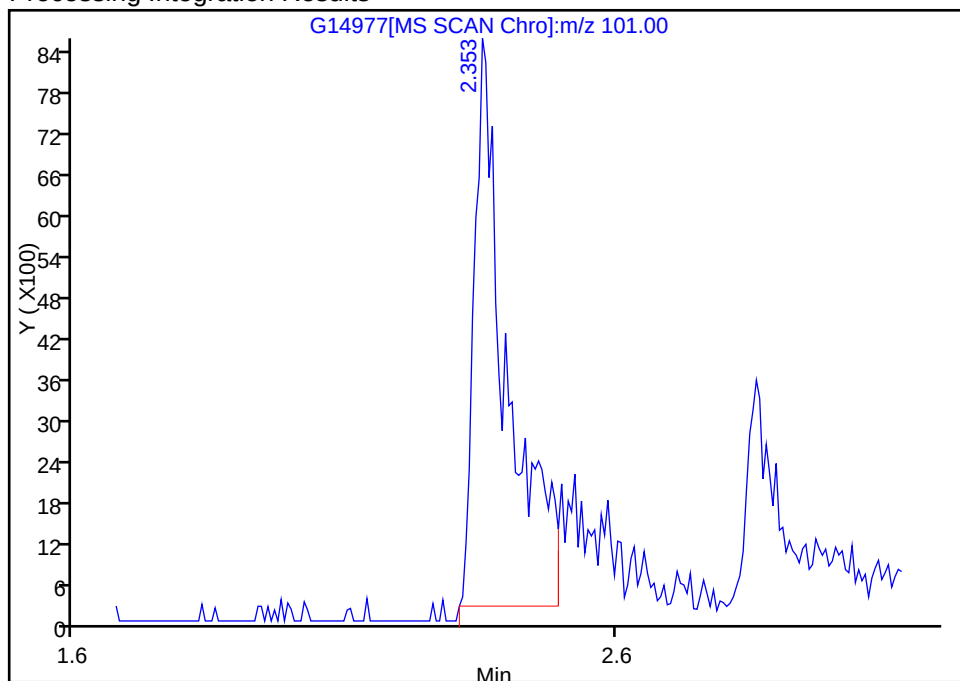


Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14977.D
Injection Date: 28-Sep-2012 16:18:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973G
Lims Batch ID: 82887 Lims Sample ID: 4
Operator ID: TF
Column Type: ZB-624 Column Dia: 0.25 mm

17 Trichlorofluoromethane, Signal: 1, m/z: 101.0 Type: quant, RT: 2.35

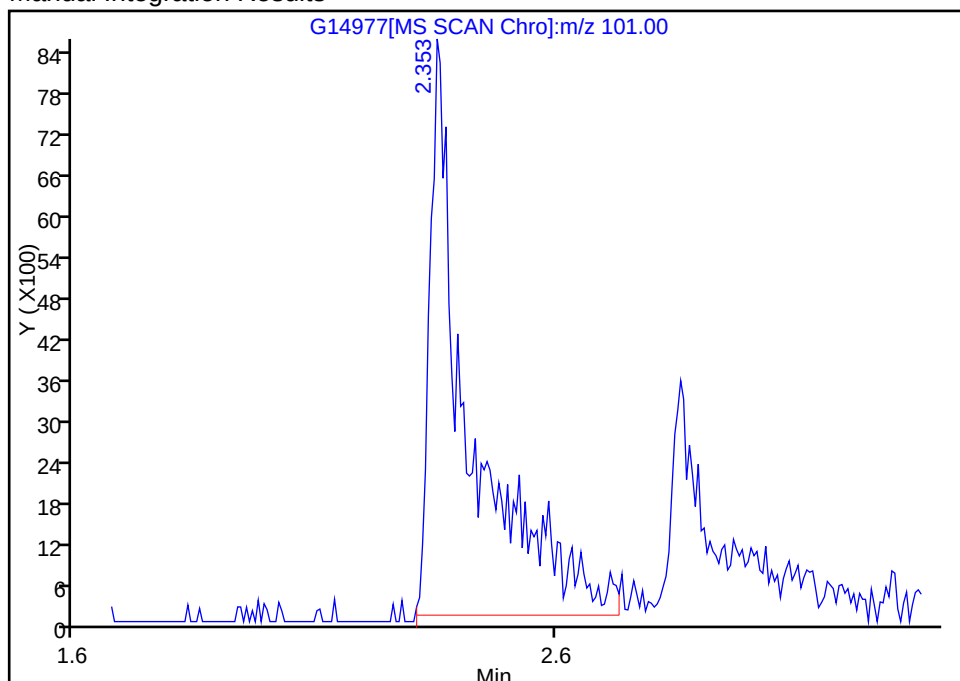
RT: 2.35
Response: 34792
Amount: 3.505894

Processing Integration Results



RT: 2.35
Response: 48470
Amount: 4.380627

Manual Integration Results



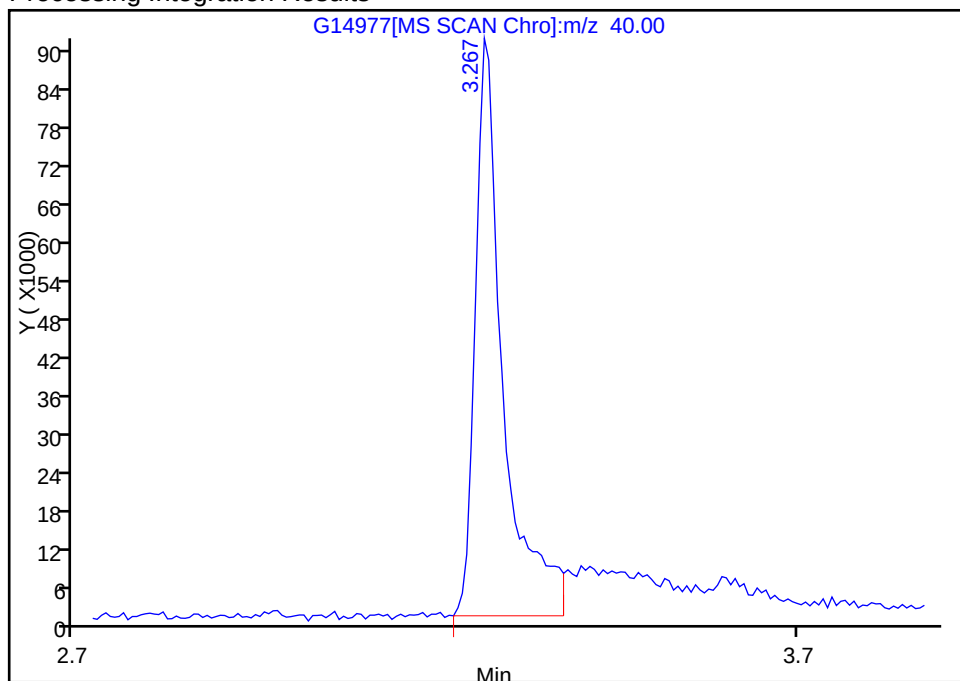
Reviewer: HillL, 28-Sep-2012 23:29:52
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14977.D
Injection Date: 28-Sep-2012 16:18:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973G
Lims Batch ID: 82887 Lims Sample ID: 4
Operator ID: TF
Column Type: ZB-624 Column Dia: 0.25 mm

27 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.27

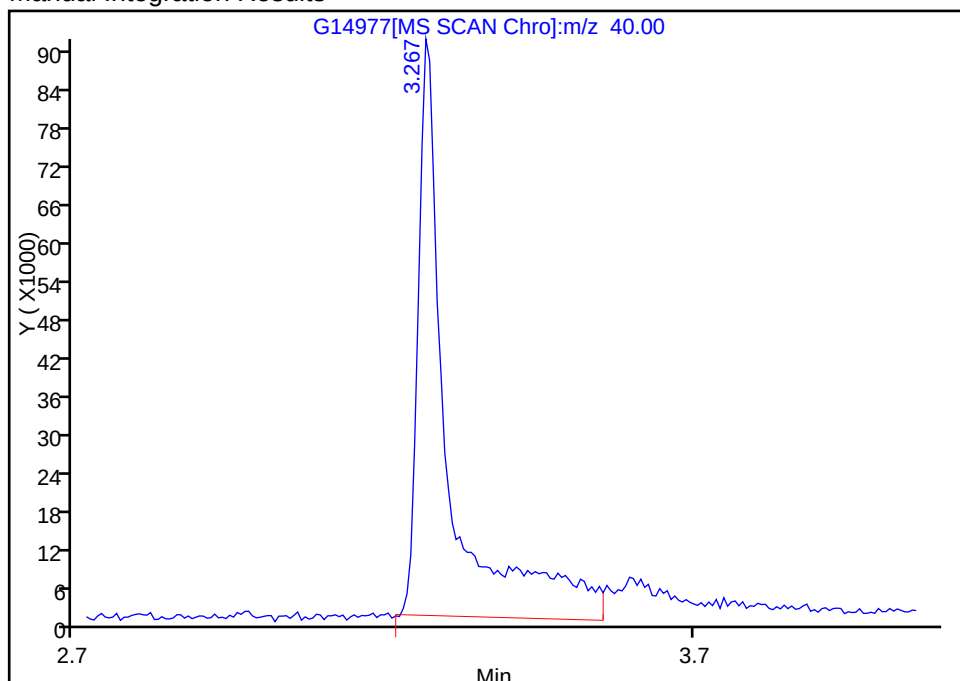
RT: 3.27
Response: 239581
Amount: 181.8628

Processing Integration Results



RT: 3.27
Response: 306522
Amount: 222.1753

Manual Integration Results



Reviewer: HillL, 28-Sep-2012 23:09:26
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14978.D
 Lims ID: IC 3 Client ID:
 Inject. Date: 28-Sep-2012 16:41:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: IC 3
 Misc. Info.: 480-0015247-005 =480-0015247-005
 Operator: TF Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 16
 Lims Batch ID: 82887 Lims Sample ID: 5
 Sublist: chrom-G-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G-8260.m
 Last Update: 28-Sep-2012 23:30:25 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK029

First Level Reviewer: HillL

Date: 28-Sep-2012 23:30:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.742	-0.006	95	918063	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	455345	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	91	402779	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.346	0.006	0	62390	9.25	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.145	-0.001	93	366004	9.49	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.870	-0.001	81	103621	9.47	
10 Dichlorodifluoromethane	85	1.426	1.426	0.0	98	105002	8.93	
12 Chloromethane	50	1.621	1.609	0.012	89	140784	9.00	
13 Vinyl chloride	62	1.700	1.713	-0.013	79	115104	8.95	
14 Bromomethane	94	2.072	2.054	0.018	87	45801	9.58	
15 Chloroethane	64	2.139	2.139	0.0	88	52554	7.96	
17 Trichlorofluoromethane	101	2.359	2.353	0.006	84	107548	8.64	
19 Acrolein	56	2.816	2.816	0.0	95	188163	190.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.859	2.865	-0.006	71	53954	8.27	M
20 1,1-Dichloroethene	96	2.877	2.871	0.006	83	73659	8.75	
22 Acetone	43	2.974	2.975	-0.001	96	249330	47.3	
23 Iodomethane	142	3.035	3.042	-0.007	95	67626	8.26	
24 Carbon disulfide	76	3.072	3.078	-0.006	99	203862	8.93	
27 Acetonitrile	40	3.273	3.273	0.0	100	608894	421.9	
28 Methyl acetate	43	3.279	3.279	0.0	99	216323	10.4	
29 Methylene Chloride	84	3.389	3.389	0.0	85	125181	9.06	
31 Methyl tert-butyl ether	73	3.608	3.609	-0.001	98	398615	10.0	
32 trans-1,2-Dichloroethene	96	3.615	3.615	0.0	44	110746	9.62	
33 Acrylonitrile	53	3.645	3.645	0.0	98	385853	48.9	
36 1,1-Dichloroethane	63	4.023	4.023	0.0	85	184339	9.56	
38 Vinyl acetate	43	4.078	4.078	0.0	97	1808830	52.5	
42 2,2-Dichloropropane	77	4.553	4.547	0.006	90	104811	9.36	
43 cis-1,2-Dichloroethene	96	4.578	4.578	0.0	71	111568	9.80	
44 2-Butanone (MEK)	43	4.608	4.608	0.0	99	593303	50.8	
48 Chlorobromomethane	128	4.809	4.810	-0.001	86	51181	9.81	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.846	4.840	0.006	92	411878	50.8	
50 Chloroform	85	4.883	4.889	-0.006	83	111301	9.76	
51 1,1,1-Trichloroethane	97	5.017	5.017	0.0	91	117192	9.14	
52 Cyclohexane	56	5.035	5.035	0.0	95	147042	8.32	
53 Carbon tetrachloride	117	5.157	5.157	0.0	74	108844	8.69	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	89	131587	9.19	
56 Benzene	78	5.364	5.364	0.0	98	422688	9.73	
57 1,2-Dichloroethane	62	5.419	5.419	0.0	89	176058	10.1	
61 Trichloroethene	95	5.974	5.980	-0.006	93	102567	9.36	
62 Methylcyclohexane	83	6.114	6.114	0.0	98	136681	8.50	
63 1,2-Dichloropropane	63	6.205	6.206	-0.001	90	117946	10.2	
65 Dibromomethane	93	6.340	6.340	0.0	85	69021	9.67	
67 Dichlorobromomethane	83	6.492	6.492	0.0	92	132539	9.88	
70 2-Chloroethyl vinyl ether	63	6.766	6.767	-0.001	89	500275	51.8	
72 cis-1,3-Dichloropropene	75	6.913	6.913	0.0	87	181784	10.0	
73 4-Methyl-2-pentanone (MIBK)	43	7.053	7.053	0.0	99	1165548	52.5	
74 Toluene	92	7.211	7.212	-0.001	97	275178	9.72	
76 trans-1,3-Dichloropropene	75	7.474	7.474	0.0	94	168773	9.76	
78 Ethyl methacrylate	69	7.528	7.529	-0.001	93	197691	9.99	
79 1,1,2-Trichloroethane	83	7.663	7.663	0.0	86	83906	9.69	
80 Tetrachloroethene	166	7.754	7.754	0.0	88	90902	9.03	
81 1,3-Dichloropropane	76	7.827	7.827	0.0	97	196884	9.93	
82 2-Hexanone	43	7.894	7.888	0.006	98	881283	52.5	
83 Chlorodibromomethane	129	8.065	8.065	0.0	89	93415	9.41	
84 Ethylene Dibromide	107	8.175	8.175	0.0	100	109164	10.0	
86 Chlorobenzene	112	8.656	8.656	0.0	85	312845	9.94	
88 1,1,1,2-Tetrachloroethane	131	8.754	8.754	0.0	38	93839	9.70	
89 Ethylbenzene	91	8.754	8.754	0.0	99	520669	9.82	
90 m-Xylene & p-Xylene	106	8.876	8.876	0.0	99	373427	19.2	
91 o-Xylene	106	9.302	9.303	-0.001	99	187872	9.72	
92 Styrene	104	9.327	9.327	0.0	94	310464	9.90	
93 Bromoform	173	9.565	9.565	0.0	94	60909	9.27	
95 Isopropylbenzene	105	9.680	9.681	-0.001	96	476998	9.90	
97 Bromobenzene	156	10.022	10.022	0.0	96	113819	9.98	
98 1,1,2,2-Tetrachloroethane	83	10.052	10.052	0.0	88	165458	10.1	
99 1,2,3-Trichloropropane	110	10.089	10.089	0.0	78	51248	9.79	
101 N-Propylbenzene	91	10.101	10.101	0.0	93	648497	10.3	
100 trans-1,4-Dichloro-2-butene	53	10.101	10.101	0.0	76	325615	50.9	
102 2-Chlorotoluene	126	10.199	10.205	-0.006	95	114723	9.61	
104 1,3,5-Trimethylbenzene	105	10.278	10.278	0.0	77	419799	9.93	
105 4-Chlorotoluene	126	10.314	10.315	-0.001	96	124604	9.81	
106 tert-Butylbenzene	134	10.595	10.595	0.0	92	95029	9.79	
107 1,2,4-Trimethylbenzene	105	10.644	10.644	0.0	97	438574	10.0	
109 sec-Butylbenzene	105	10.802	10.802	0.0	94	524496	9.86	
110 1,3-Dichlorobenzene	146	10.930	10.930	0.0	94	249107	10.3	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	95	457589	10.1	
113 1,4-Dichlorobenzene	146	11.016	11.016	0.0	88	260130	10.2	
115 n-Butylbenzene	91	11.320	11.321	-0.001	98	448975	9.96	
116 1,2-Dichlorobenzene	146	11.363	11.369	-0.006	94	251015	10.1	
117 1,2-Dibromo-3-Chloropropane	75	12.082	12.083	-0.001	68	43411	9.96	
119 1,2,4-Trichlorobenzene	180	12.771	12.771	0.0	93	190100	11.2	
120 Hexachlorobutadiene	225	12.887	12.887	0.0	94	66546	10.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.979	12.979	0.0	97	659628	11.1	
122 1,2,3-Trichlorobenzene	180	13.186	13.186	0.0	94	174677	11.3	
S 123 Total BTEX	1				0		58.2	
S 124 Xylenes, Total	1				0		28.9	
S 125 1,2-Dichloroethene, Total	1				0		19.4	
S 126 1,3-Dichloropropene, Total	1				0		19.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 28-Sep-2012 23:30:26

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14978.D

Injection Date: 28-Sep-2012 16:41:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973G

Lims Batch ID: 82887

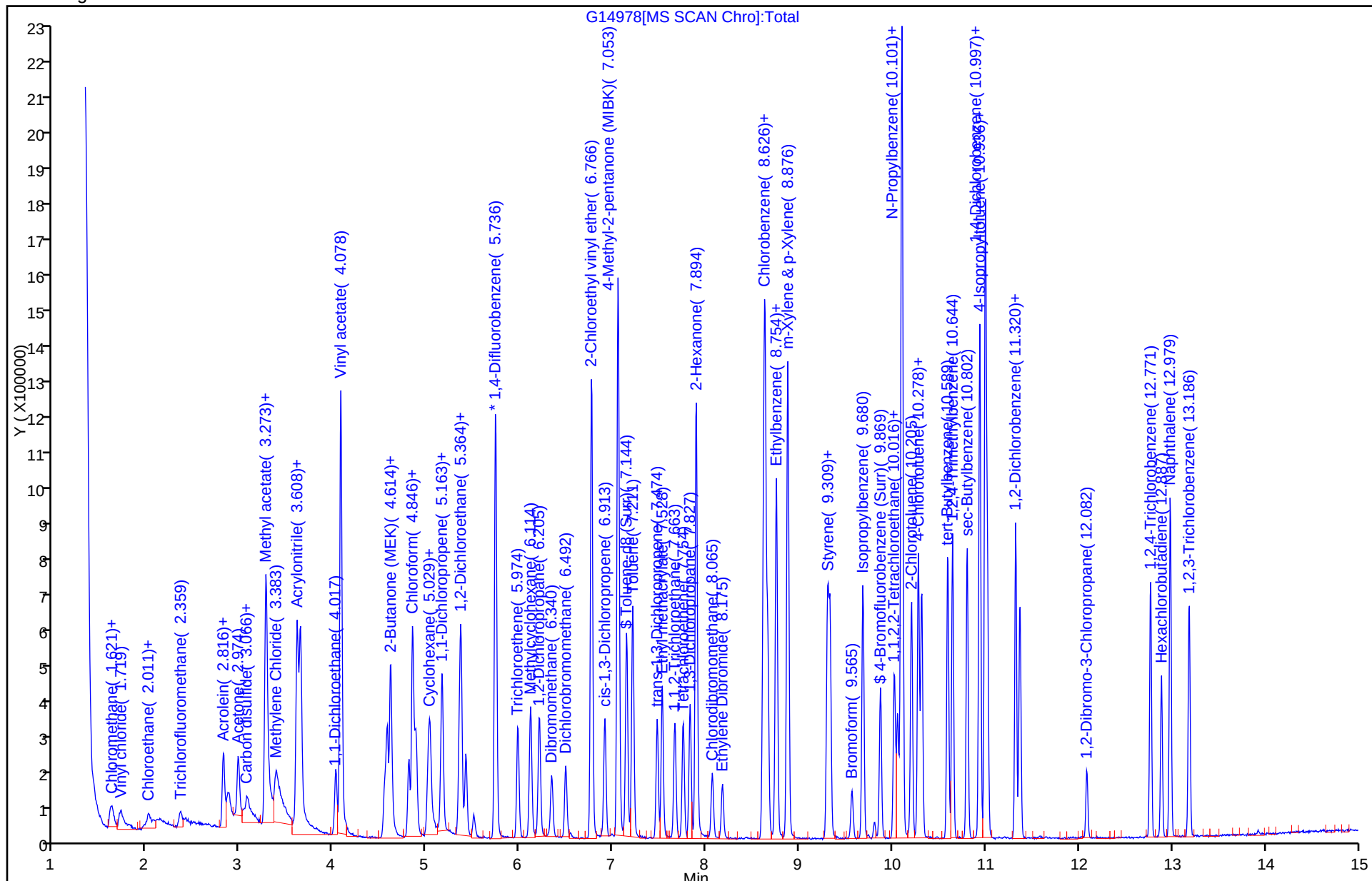
Lims Sample ID: 5

Operator ID: TF

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

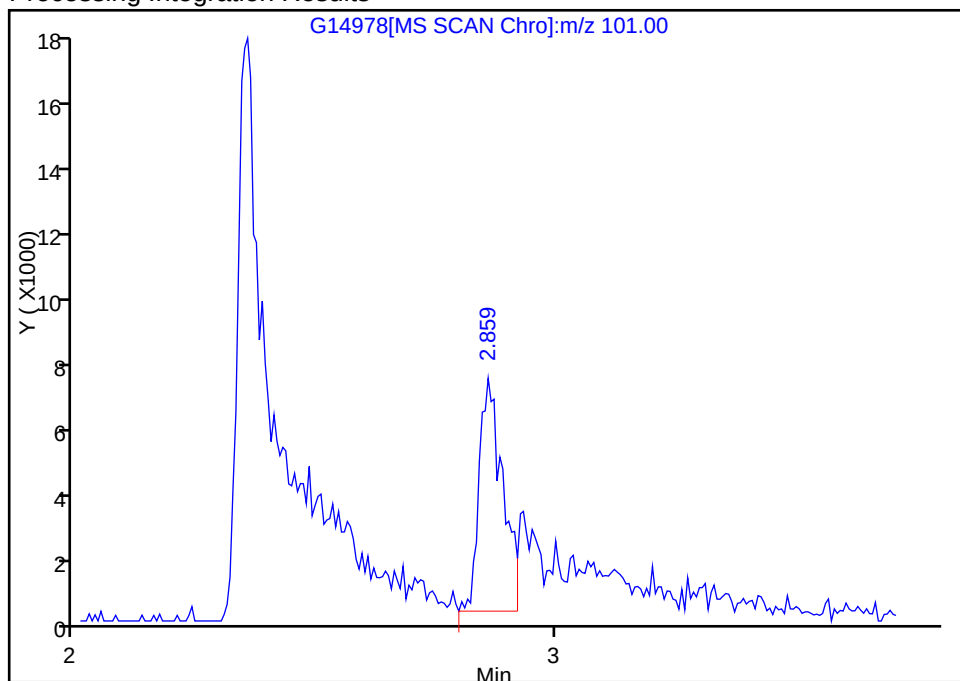


Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14978.D
Injection Date: 28-Sep-2012 16:41:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973G
Lims Batch ID: 82887 Lims Sample ID: 5
Operator ID: TF
Column Type: ZB-624 Column Dia: 0.25 mm

21 1,1,2-Trichloro-1,2,2-trifluoroethane, Signal: 1, m/z: 101.0 Type: quant, RT: 2.86

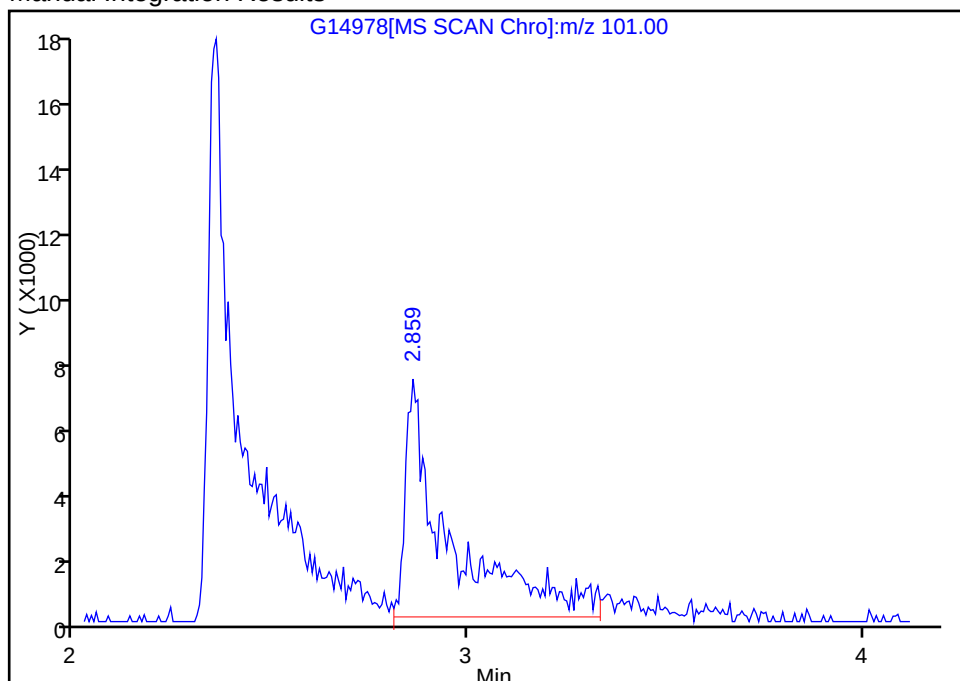
RT: 2.86
Response: 23566
Amount: 4.639918

Processing Integration Results



RT: 2.86
Response: 53954
Amount: 8.268614

Manual Integration Results



Reviewer: HillL, 28-Sep-2012 23:22:42
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14979.D
 Lims ID: ICIS 4 Client ID:
 Inject. Date: 28-Sep-2012 17:04:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: ICIS 4
 Misc. Info.: 480-0015247-006 =480-0015247-006
 Operator: TF Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 17
 Lims Batch ID: 82887 Lims Sample ID: 6
 Sublist: chrom-G-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G-8260.m
 Last Update: 28-Sep-2012 23:31:11 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK029

First Level Reviewer: HillL

Date: 28-Sep-2012 23:31:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.742	0.0	95	893303	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	87	447401	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	78	393624	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	176924	26.2	
\$ 5 Toluene-d8 (Surr)	98	7.145	7.145	0.0	93	1078817	27.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.870	9.870	0.0	82	278903	25.1	
10 Dichlorodifluoromethane	85	1.426	1.426	0.0	89	302101	26.4	
12 Chloromethane	50	1.609	1.609	0.0	89	401701	26.4	
13 Vinyl chloride	62	1.713	1.713	0.0	79	327926	26.2	
14 Bromomethane	94	2.054	2.054	0.0	92	115994	24.9	
15 Chloroethane	64	2.139	2.139	0.0	94	145240	22.8	
17 Trichlorofluoromethane	101	2.359	2.359	0.0	84	309149	24.0	
19 Acrolein	56	2.816	2.816	0.0	96	511543	532.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.865	2.865	0.0	49	182091	22.9	M
20 1,1-Dichloroethene	96	2.871	2.871	0.0	80	208404	25.5	
22 Acetone	43	2.975	2.975	0.0	97	664568	129.4	
23 Iodomethane	142	3.042	3.042	0.0	98	182543	21.6	
24 Carbon disulfide	76	3.078	3.078	0.0	100	570965	25.7	
27 Acetonitrile	40	3.273	3.273	0.0	99	1391407	975.8	
28 Methyl acetate	43	3.279	3.279	0.0	98	501229	24.8	
29 Methylene Chloride	84	3.389	3.389	0.0	87	326695	24.3	
31 Methyl tert-butyl ether	73	3.609	3.609	0.0	93	995906	25.7	
32 trans-1,2-Dichloroethene	96	3.615	3.615	0.0	94	292411	26.1	
33 Acrylonitrile	53	3.645	3.645	0.0	99	1014038	132.1	
36 1,1-Dichloroethane	63	4.023	4.023	0.0	85	493907	26.3	
38 Vinyl acetate	43	4.078	4.078	0.0	97	4582904	136.8	
42 2,2-Dichloropropane	77	4.547	4.547	0.0	94	280679	25.8	
43 cis-1,2-Dichloroethene	96	4.578	4.578	0.0	73	287784	26.0	
44 2-Butanone (MEK)	43	4.608	4.608	0.0	98	1503615	132.4	
48 Chlorobromomethane	128	4.810	4.810	0.0	88	134377	26.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.840	4.840	0.0	93	1037946	131.5	
50 Chloroform	85	4.889	4.889	0.0	82	289274	26.1	
51 1,1,1-Trichloroethane	97	5.017	5.017	0.0	92	336006	26.9	
52 Cyclohexane	56	5.035	5.035	0.0	95	439888	24.4	
53 Carbon tetrachloride	117	5.157	5.157	0.0	83	310337	24.3	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	89	378079	27.1	
56 Benzene	78	5.364	5.364	0.0	98	1109849	26.2	
57 1,2-Dichloroethane	62	5.419	5.419	0.0	89	440666	25.9	
61 Trichloroethene	95	5.980	5.980	0.0	93	280769	26.3	
62 Methylcyclohexane	83	6.114	6.114	0.0	97	398729	24.5	
63 1,2-Dichloropropane	63	6.206	6.206	0.0	86	288381	25.6	
65 Dibromomethane	93	6.340	6.340	0.0	87	179739	25.9	
67 Dichlorobromomethane	83	6.492	6.492	0.0	92	337410	25.8	
70 2-Chloroethyl vinyl ether	63	6.767	6.767	0.0	89	1256931	133.7	
72 cis-1,3-Dichloropropene	75	6.913	6.913	0.0	84	457998	25.9	
73 4-Methyl-2-pentanone (MIBK)	43	7.053	7.053	0.0	99	2903768	133.0	
74 Toluene	92	7.212	7.212	0.0	98	732189	26.3	
76 trans-1,3-Dichloropropene	75	7.474	7.474	0.0	95	445859	26.2	
78 Ethyl methacrylate	69	7.529	7.529	0.0	93	505002	26.0	
79 1,1,2-Trichloroethane	83	7.663	7.663	0.0	87	217601	25.6	
80 Tetrachloroethene	166	7.754	7.754	0.0	87	258645	26.1	
81 1,3-Dichloropropane	76	7.827	7.827	0.0	98	495084	25.4	
82 2-Hexanone	43	7.888	7.888	0.0	98	2229391	135.2	
83 Chlorodibromomethane	129	8.065	8.065	0.0	89	253389	26.0	
84 Ethylene Dibromide	107	8.175	8.175	0.0	98	272345	25.4	
86 Chlorobenzene	112	8.656	8.656	0.0	91	801173	25.9	
88 1,1,1,2-Tetrachloroethane	131	8.754	8.754	0.0	38	252114	26.5	
89 Ethylbenzene	91	8.754	8.754	0.0	99	1381809	26.5	
90 m-Xylene & p-Xylene	106	8.876	8.876	0.0	99	1019025	53.3	
91 o-Xylene	106	9.303	9.303	0.0	99	492031	25.9	
92 Styrene	104	9.327	9.327	0.0	94	799418	25.9	
93 Bromoform	173	9.565	9.565	0.0	95	167383	25.9	
95 Isopropylbenzene	105	9.681	9.681	0.0	97	1281481	27.2	
97 Bromobenzene	156	10.022	10.022	0.0	98	295630	26.5	
98 1,1,2,2-Tetrachloroethane	83	10.052	10.052	0.0	85	426342	26.7	
99 1,2,3-Trichloropropane	110	10.089	10.089	0.0	79	132655	25.9	
101 N-Propylbenzene	91	10.101	10.101	0.0	93	1695892	27.5	
100 trans-1,4-Dichloro-2-butene	53	10.101	10.101	0.0	76	848052	135.8	
102 2-Chlorotoluene	126	10.205	10.205	0.0	95	306301	26.3	
104 1,3,5-Trimethylbenzene	105	10.278	10.278	0.0	94	1095661	26.5	
105 4-Chlorotoluene	126	10.315	10.315	0.0	96	327381	26.4	
106 tert-Butylbenzene	134	10.595	10.595	0.0	92	250092	26.4	
107 1,2,4-Trimethylbenzene	105	10.644	10.644	0.0	97	1134448	26.4	
109 sec-Butylbenzene	105	10.802	10.802	0.0	95	1415805	27.2	
110 1,3-Dichlorobenzene	146	10.930	10.930	0.0	93	615291	26.1	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	96	1211227	27.3	
113 1,4-Dichlorobenzene	146	11.016	11.016	0.0	91	649882	26.0	
115 n-Butylbenzene	91	11.321	11.321	0.0	98	1203178	27.3	
116 1,2-Dichlorobenzene	146	11.369	11.369	0.0	93	628626	25.9	
117 1,2-Dibromo-3-Chloropropane	75	12.083	12.083	0.0	76	113680	26.7	
119 1,2,4-Trichlorobenzene	180	12.771	12.771	0.0	93	426248	25.8	
120 Hexachlorobutadiene	225	12.887	12.887	0.0	92	156971	25.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.979	12.979	0.0	98	1516660	26.1	
122 1,2,3-Trichlorobenzene	180	13.186	13.186	0.0	94	374160	24.7	
S 123 Total BTEX	1				0		158.3	
S 124 Xylenes, Total	1				0		79.2	
S 125 1,2-Dichloroethene, Total	1				0		52.1	
S 126 1,3-Dichloropropene, Total	1				0		52.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 28-Sep-2012 23:31:11

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14979.D

Injection Date: 28-Sep-2012 17:04:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973G

Lims Batch ID: 82887

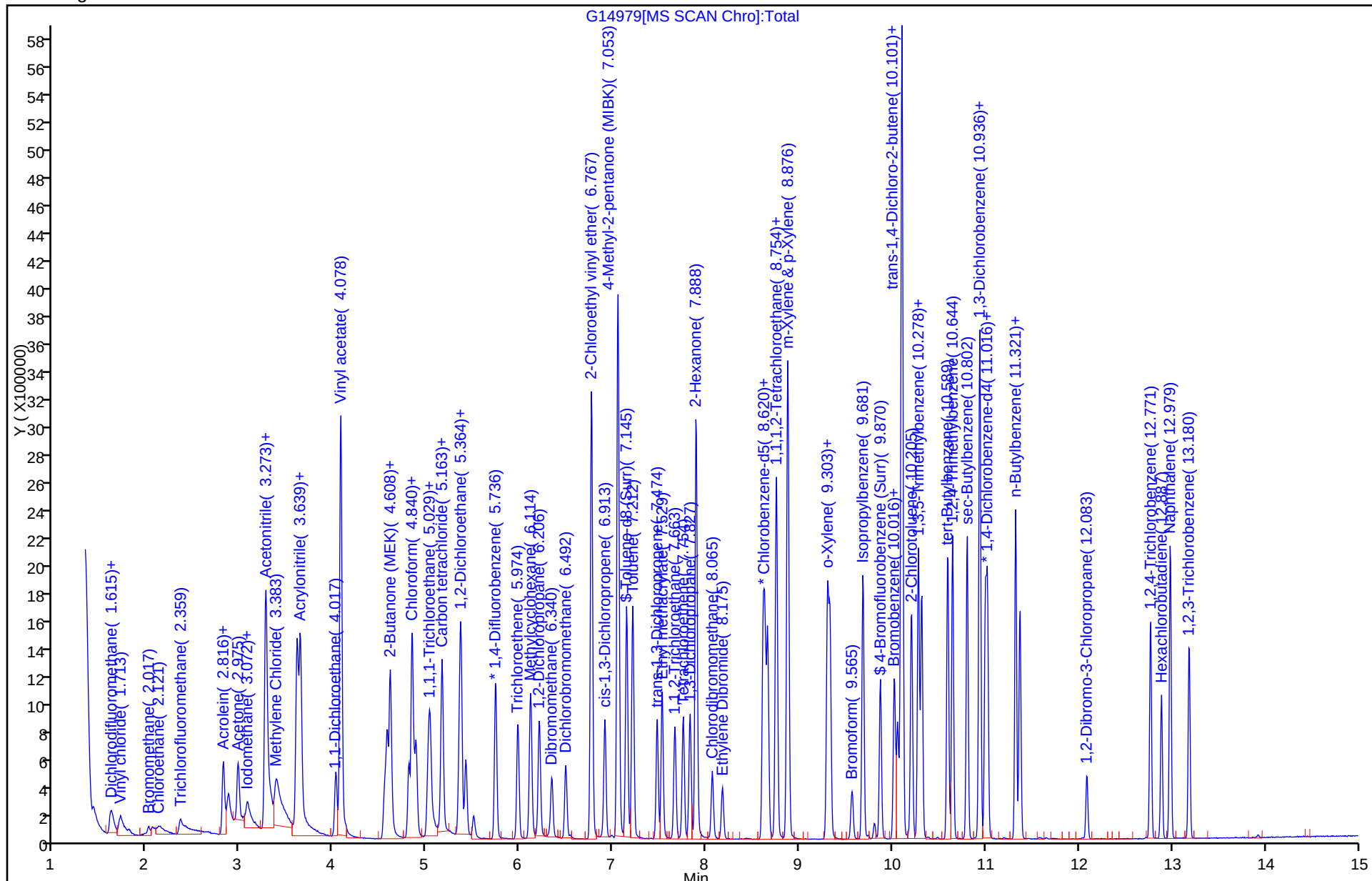
Lims Sample ID: 6

Operator ID: TF

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



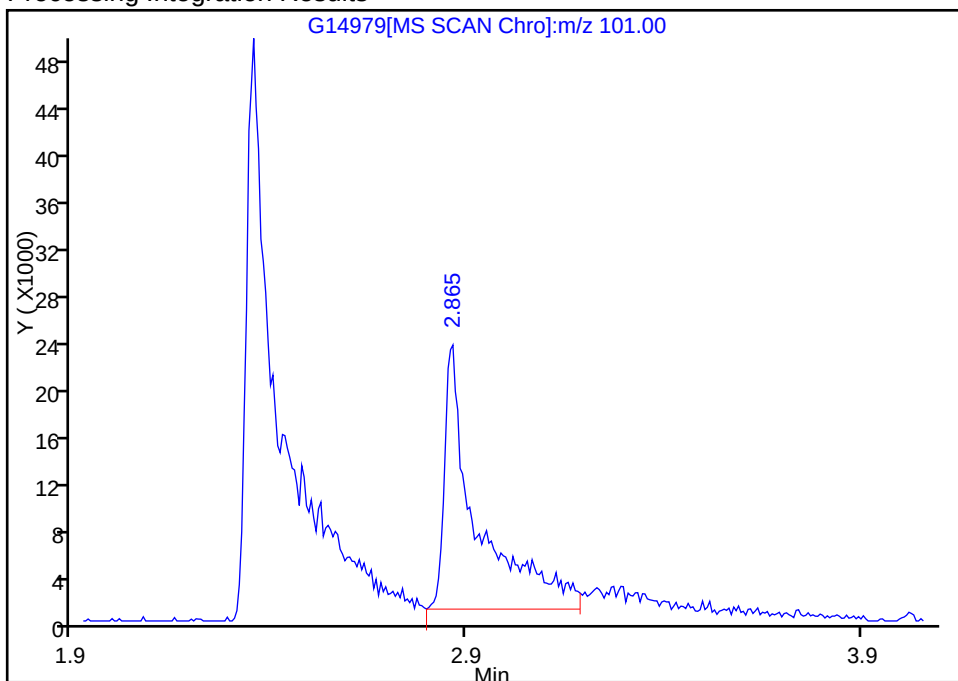
10/24/2012

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14979.D
Injection Date: 28-Sep-2012 17:04:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973G
Lims Batch ID: 82887 Lims Sample ID: 6
Operator ID: TF
Column Type: ZB-624 Column Dia: 0.25 mm

21 1,1,2-Trichloro-1,2,2-trifluoroethane, Signal: 1, m/z: 101.0 Type: quant, RT: 2.86

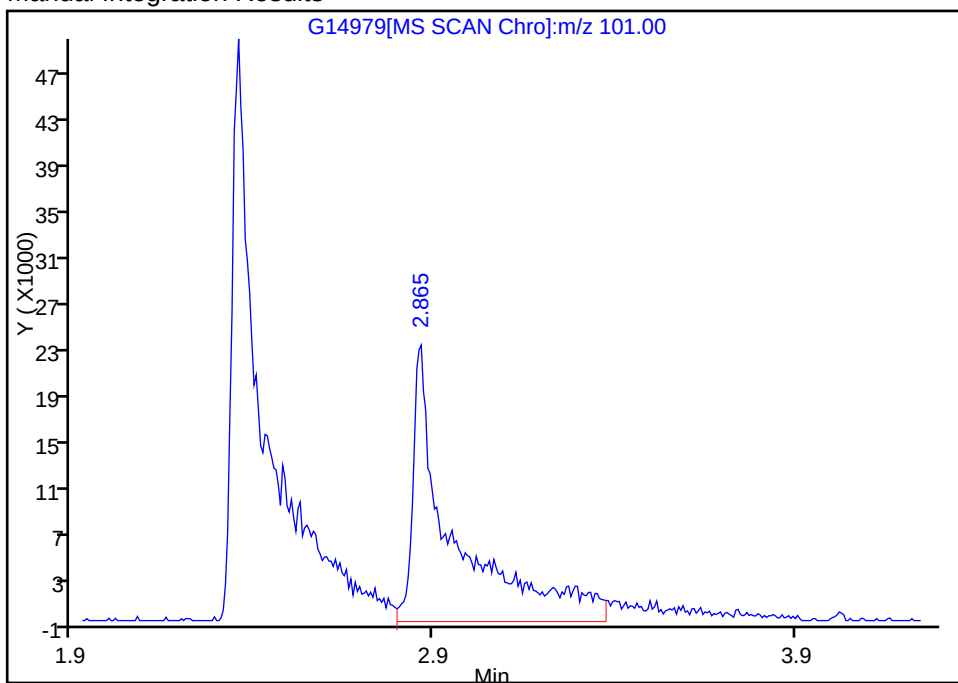
RT: 2.86
Response: 129278
Amount: 23.787086

Processing Integration Results



RT: 2.86
Response: 182091
Amount: 22.932777

Manual Integration Results



Reviewer: HillL, 28-Sep-2012 23:23:52
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14980.D
 Lims ID: IC 5 Client ID:
 Inject. Date: 28-Sep-2012 17:27:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: IC 5
 Misc. Info.: 480-0015247-007 =480-0015247-007
 Operator: TF Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 18
 Lims Batch ID: 82887 Lims Sample ID: 7
 Sublist: chrom-G-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G-8260.m
 Last Update: 28-Sep-2012 23:31:38 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK029

First Level Reviewer: HillL

Date: 28-Sep-2012 23:31:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.742	0.0	95	898495	25.0	
* 2 Chlorobenzene-d5	82	8.632	8.626	0.006	87	443844	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	70	414936	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	346687	50.7	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.145	-0.001	93	2027249	51.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.870	9.870	0.0	81	564096	50.7	
10 Dichlorodifluoromethane	85	1.426	1.426	0.0	87	643824	56.0	
12 Chloromethane	50	1.609	1.609	0.0	89	871428	56.9	
13 Vinyl chloride	62	1.707	1.713	-0.007	79	692267	55.0	
14 Bromomethane	94	2.054	2.054	0.0	93	265262	56.7	
15 Chloroethane	64	2.139	2.139	0.0	94	318477	50.0	
17 Trichlorofluoromethane	101	2.359	2.359	0.0	86	665396	50.6	
19 Acrolein	56	2.816	2.816	0.0	96	991376	1026.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.865	2.865	0.0	79	415544	52.5	
20 1,1-Dichloroethene	96	2.877	2.871	0.006	84	411449	50.0	
22 Acetone	43	2.975	2.975	0.0	97	1319666	255.5	
23 Iodomethane	142	3.036	3.042	-0.006	99	425207	48.9	
24 Carbon disulfide	76	3.078	3.078	0.0	99	1264470	56.6	
27 Acetonitrile	40	3.267	3.273	-0.006	100	3057582	2118.6	
28 Methyl acetate	43	3.279	3.279	0.0	99	1028921	50.7	
29 Methylene Chloride	84	3.389	3.389	0.0	89	669603	49.5	
31 Methyl tert-butyl ether	73	3.602	3.609	-0.007	98	2007214	51.5	
32 trans-1,2-Dichloroethene	96	3.615	3.615	0.0	93	603621	53.6	
33 Acrylonitrile	53	3.645	3.645	0.0	98	1962615	254.3	
36 1,1-Dichloroethane	63	4.023	4.023	0.0	85	1027315	54.4	
38 Vinyl acetate	43	4.078	4.078	0.0	98	8392102	249.0	
42 2,2-Dichloropropane	77	4.547	4.547	0.0	94	587210	53.6	
43 cis-1,2-Dichloroethene	96	4.578	4.578	0.0	71	608267	54.6	
44 2-Butanone (MEK)	43	4.608	4.608	0.0	99	2948230	258.0	
48 Chlorobromomethane	128	4.810	4.810	0.0	87	271679	53.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.840	4.840	0.0	92	2018639	254.2	
50 Chloroform	85	4.883	4.889	-0.006	82	587094	52.6	
51 1,1,1-Trichloroethane	97	5.017	5.017	0.0	94	724485	57.8	
52 Cyclohexane	56	5.035	5.035	0.0	94	968381	52.7	
53 Carbon tetrachloride	117	5.157	5.157	0.0	78	660459	50.8	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	90	782687	55.8	
56 Benzene	78	5.364	5.364	0.0	98	2272956	53.4	
57 1,2-Dichloroethane	62	5.419	5.419	0.0	89	895301	52.2	
61 Trichloroethene	95	5.980	5.980	0.0	92	574238	53.6	
62 Methylcyclohexane	83	6.114	6.114	0.0	97	876245	52.8	
63 1,2-Dichloropropane	63	6.206	6.206	0.0	88	594520	52.5	
65 Dibromomethane	93	6.340	6.340	0.0	91	360623	51.6	
67 Dichlorobromomethane	83	6.492	6.492	0.0	92	709686	54.0	
70 2-Chloroethyl vinyl ether	63	6.766	6.767	-0.001	89	2437520	257.8	
72 cis-1,3-Dichloropropene	75	6.913	6.913	0.0	84	936921	52.7	
73 4-Methyl-2-pentanone (MIBK)	43	7.053	7.053	0.0	99	5494287	253.8	
74 Toluene	92	7.212	7.212	0.0	98	1489822	54.0	
76 trans-1,3-Dichloropropene	75	7.474	7.474	0.0	95	900948	53.4	
78 Ethyl methacrylate	69	7.529	7.529	0.0	93	1034328	53.6	
79 1,1,2-Trichloroethane	83	7.663	7.663	0.0	89	440774	52.2	
80 Tetrachloroethene	166	7.754	7.754	0.0	89	549707	56.0	
81 1,3-Dichloropropane	76	7.827	7.827	0.0	98	1002428	51.9	
82 2-Hexanone	43	7.894	7.888	0.006	98	4248853	259.7	
83 Chlorodibromomethane	129	8.065	8.065	0.0	88	535421	55.3	
84 Ethylene Dibromide	107	8.175	8.175	0.0	98	555189	52.2	
86 Chlorobenzene	112	8.656	8.656	0.0	91	1644191	53.6	
88 1,1,1,2-Tetrachloroethane	131	8.754	8.754	0.0	88	511675	54.3	
89 Ethylbenzene	91	8.754	8.754	0.0	99	2780355	53.8	
90 m-Xylene & p-Xylene	106	8.876	8.876	0.0	99	2073918	109.4	
91 o-Xylene	106	9.303	9.303	0.0	99	1024981	54.4	
92 Styrene	104	9.327	9.327	0.0	95	1668427	54.6	
93 Bromoform	173	9.565	9.565	0.0	95	366542	57.2	
95 Isopropylbenzene	105	9.681	9.681	0.0	97	2675063	53.9	
97 Bromobenzene	156	10.022	10.022	0.0	98	609755	51.9	
98 1,1,2,2-Tetrachloroethane	83	10.052	10.052	0.0	87	852968	50.7	
99 1,2,3-Trichloropropane	110	10.089	10.089	0.0	76	260404	48.3	
101 N-Propylbenzene	91	10.101	10.101	0.0	94	3413864	52.5	
100 trans-1,4-Dichloro-2-butene	53	10.101	10.101	0.0	70	1700882	258.3	
102 2-Chlorotoluene	126	10.205	10.205	0.0	95	633259	51.5	
104 1,3,5-Trimethylbenzene	105	10.278	10.278	0.0	93	2334656	53.6	
105 4-Chlorotoluene	126	10.315	10.315	0.0	97	679049	51.9	
106 tert-Butylbenzene	134	10.595	10.595	0.0	92	530767	53.1	
107 1,2,4-Trimethylbenzene	105	10.644	10.644	0.0	97	2382101	52.7	
109 sec-Butylbenzene	105	10.802	10.802	0.0	95	2961358	54.0	
110 1,3-Dichlorobenzene	146	10.936	10.930	0.006	95	1292118	51.9	
111 4-Isopropyltoluene	119	10.943	10.936	0.006	96	2514747	53.7	
113 1,4-Dichlorobenzene	146	11.022	11.016	0.006	92	1361737	51.7	
115 n-Butylbenzene	91	11.320	11.321	-0.001	98	2522174	54.3	
116 1,2-Dichlorobenzene	146	11.369	11.369	0.0	93	1303585	50.9	
117 1,2-Dibromo-3-Chloropropane	75	12.089	12.083	0.006	77	219342	48.9	
119 1,2,4-Trichlorobenzene	180	12.771	12.771	0.0	93	800135	46.0	
120 Hexachlorobutadiene	225	12.887	12.887	0.0	93	296577	45.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.985	12.979	0.006	98	2798606	45.6	
122 1,2,3-Trichlorobenzene	180	13.186	13.186	0.0	94	678857	42.5	
S 123 Total BTEX	1				0		325.0	
S 124 Xylenes, Total	1				0		163.8	
S 125 1,2-Dichloroethene, Total	1				0		108.2	
S 126 1,3-Dichloropropene, Total	1				0		106.2	

Report Date: 28-Sep-2012 23:31:38

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14980.D

Injection Date: 28-Sep-2012 17:27:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973G

Lims Batch ID: 82887

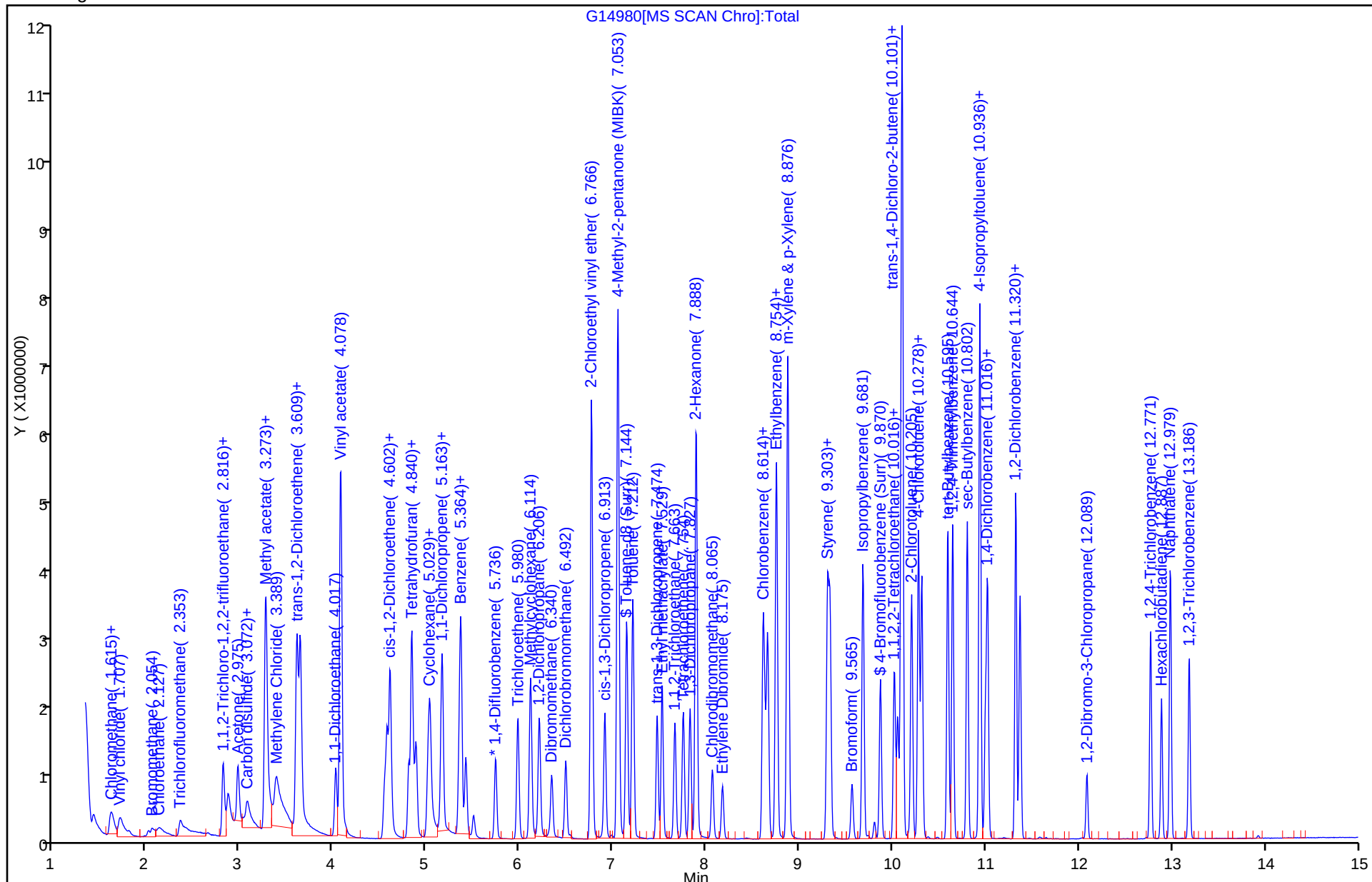
Lims Sample ID: 7

Operator ID: TF

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14981.D
 Lims ID: IC 6 Client ID:
 Inject. Date: 28-Sep-2012 17:49:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: IC 6
 Misc. Info.: 480-0015247-008 =480-0015247-008
 Operator: TF Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 19
 Lims Batch ID: 82887 Lims Sample ID: 8
 Sublist: chrom-G-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G-8260.m
 Last Update: 28-Sep-2012 23:45:51 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK029

First Level Reviewer: HillL

Date: 28-Sep-2012 23:32:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.742	-0.006	96	907321	25.0	
* 2 Chlorobenzene-d5	82	8.632	8.632	0.0	87	457269	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	67	445987	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	685831	98.9	
\$ 5 Toluene-d8 (Surr)	98	7.150	7.145	0.005	94	3894659	96.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.870	-0.001	80	1151628	100.0	
10 Dichlorodifluoromethane	85	1.426	1.426	0.0	89	1318676	113.5	
12 Chloromethane	50	1.621	1.609	0.012	89	1701438	110.1	
13 Vinyl chloride	62	1.713	1.713	0.0	79	1386636	109.1	
14 Bromomethane	94	2.054	2.054	0.0	91	537479	113.7	
15 Chloroethane	64	2.145	2.139	0.006	94	669991	104.2	
17 Trichlorofluoromethane	101	2.359	2.359	0.0	84	1365672	102.1	
19 Acrolein	56	2.810	2.816	-0.006	96	2070497	2123.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.865	2.865	0.0	83	705698	99.3	M
20 1,1-Dichloroethene	96	2.877	2.871	0.006	87	860985	102.5	
22 Acetone	43	2.968	2.975	-0.007	97	2716468	520.9	
23 Iodomethane	142	3.042	3.042	0.0	98	940287	106.3	
24 Carbon disulfide	76	3.078	3.078	0.0	100	2552318	113.1	
27 Acetonitrile	40	3.273	3.273	0.0	99	5651016	3868.3	
28 Methyl acetate	43	3.273	3.279	-0.006	99	1874392	91.5	
29 Methylene Chloride	84	3.389	3.389	0.0	88	1303683	95.5	
31 Methyl tert-butyl ether	73	3.602	3.609	-0.007	93	3853028	97.9	
32 trans-1,2-Dichloroethene	96	3.615	3.615	0.0	92	1151903	101.3	
33 Acrylonitrile	53	3.645	3.645	0.0	99	3919702	502.9	
36 1,1-Dichloroethane	63	4.023	4.023	0.0	85	1995434	104.7	
38 Vinyl acetate	43	4.078	4.078	0.0	98	13175098	387.2	
42 2,2-Dichloropropane	77	4.547	4.547	0.0	94	1116474	100.9	
43 cis-1,2-Dichloroethene	96	4.578	4.578	0.0	71	1144225	101.7	
44 2-Butanone (MEK)	43	4.602	4.608	-0.006	99	5662477	490.7	
48 Chlorobromomethane	128	4.809	4.810	-0.001	88	522940	101.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.834	4.840	-0.006	92	3967594	494.8	
50 Chloroform	85	4.883	4.889	-0.006	83	1127509	100.1	
51 1,1,1-Trichloroethane	97	5.017	5.017	0.0	94	1421891	112.2	
52 Cyclohexane	56	5.035	5.035	0.0	95	1869568	100.3	
53 Carbon tetrachloride	117	5.157	5.157	0.0	82	1339867	101.5	
54 1,1-Dichloropropene	75	5.169	5.163	0.006	91	1489517	105.2	
56 Benzene	78	5.364	5.364	0.0	98	4270739	99.4	
57 1,2-Dichloroethane	62	5.419	5.419	0.0	89	1736979	100.3	
61 Trichloroethene	95	5.980	5.980	0.0	93	1122853	103.7	
62 Methylcyclohexane	83	6.114	6.114	0.0	98	1682199	100.0	
63 1,2-Dichloropropane	63	6.206	6.206	0.0	87	1148617	100.5	
65 Dibromomethane	93	6.340	6.340	0.0	89	693876	98.4	
67 Dichlorobromomethane	83	6.492	6.492	0.0	92	1400429	105.6	
70 2-Chloroethyl vinyl ether	63	6.773	6.767	0.005	89	4572918	478.9	
72 cis-1,3-Dichloropropene	75	6.913	6.913	0.0	88	1835218	102.3	
73 4-Methyl-2-pentanone (MIBK)	43	7.053	7.053	0.0	95	9443979	423.4	
74 Toluene	92	7.211	7.212	-0.001	98	2848766	100.2	
76 trans-1,3-Dichloropropene	75	7.474	7.474	0.0	95	1779392	102.5	
78 Ethyl methacrylate	69	7.528	7.529	-0.001	94	2027915	102.0	
79 1,1,2-Trichloroethane	83	7.663	7.663	0.0	87	856306	98.5	
80 Tetrachloroethene	166	7.754	7.754	0.0	89	1041885	103.0	
81 1,3-Dichloropropane	76	7.827	7.827	0.0	98	1941068	97.5	
82 2-Hexanone	43	7.894	7.888	0.006	96	7691893	456.4	
83 Chlorodibromomethane	129	8.065	8.065	0.0	89	1082178	108.5	
84 Ethylene Dibromide	107	8.175	8.175	0.0	98	1095797	100.1	
86 Chlorobenzene	112	8.662	8.656	0.006	86	3171589	100.4	
88 1,1,1,2-Tetrachloroethane	131	8.754	8.754	0.0	89	1025043	105.5	
89 Ethylbenzene	91	8.754	8.754	0.0	99	5233537	98.3	
90 m-Xylene & p-Xylene	106	8.876	8.876	0.0	98	3946575	202.1	
91 o-Xylene	106	9.303	9.303	-0.001	98	1985456	102.3	
92 Styrene	104	9.327	9.327	0.0	94	3271203	103.8	
93 Bromoform	173	9.565	9.565	0.0	95	772752	117.1	
95 Isopropylbenzene	105	9.680	9.681	-0.001	97	5129266	96.1	
97 Bromobenzene	156	10.022	10.022	0.0	98	1222868	96.8	
98 1,1,2,2-Tetrachloroethane	83	10.058	10.052	0.006	89	1737610	96.0	
99 1,2,3-Trichloropropane	110	10.089	10.089	0.0	82	510012	88.0	
101 N-Propylbenzene	91	10.107	10.101	0.006	93	6170174	88.2	
100 trans-1,4-Dichloro-2-butene	53	10.101	10.101	0.0	75	3384115	478.1	
102 2-Chlorotoluene	126	10.205	10.205	0.0	95	1284439	97.2	
104 1,3,5-Trimethylbenzene	105	10.278	10.278	0.0	93	4573305	97.7	
105 4-Chlorotoluene	126	10.315	10.315	-0.001	97	1369043	97.3	
106 tert-Butylbenzene	134	10.595	10.595	0.0	88	1093137	101.7	
107 1,2,4-Trimethylbenzene	105	10.644	10.644	0.0	98	4715698	97.0	
109 sec-Butylbenzene	105	10.802	10.802	0.0	96	5688345	96.5	
110 1,3-Dichlorobenzene	146	10.936	10.930	0.006	93	2548443	95.3	
111 4-Isopropyltoluene	119	10.942	10.936	0.006	93	4827814	95.9	
113 1,4-Dichlorobenzene	146	11.022	11.016	0.006	91	2728696	96.3	
115 n-Butylbenzene	91	11.320	11.321	-0.001	97	4786914	95.9	
116 1,2-Dichlorobenzene	146	11.369	11.369	0.0	93	2642151	96.0	
117 1,2-Dibromo-3-Chloropropane	75	12.089	12.083	0.006	77	479569	99.4	
119 1,2,4-Trichlorobenzene	180	12.771	12.771	0.0	91	1595768	85.3	
120 Hexachlorobutadiene	225	12.887	12.887	0.0	94	589115	84.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.985	12.979	0.006	98	5488621	83.2	
122 1,2,3-Trichlorobenzene	180	13.186	13.186	0.0	93	1403919	81.8	
S 123 Total BTEX	1				0		602.3	
S 124 Xylenes, Total	1				0		304.3	
S 125 1,2-Dichloroethene, Total	1				0		203.0	
S 126 1,3-Dichloropropene, Total	1				0		204.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 28-Sep-2012 23:45:52

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14981.D

Injection Date: 28-Sep-2012 17:49:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973G

Lims Batch ID: 82887

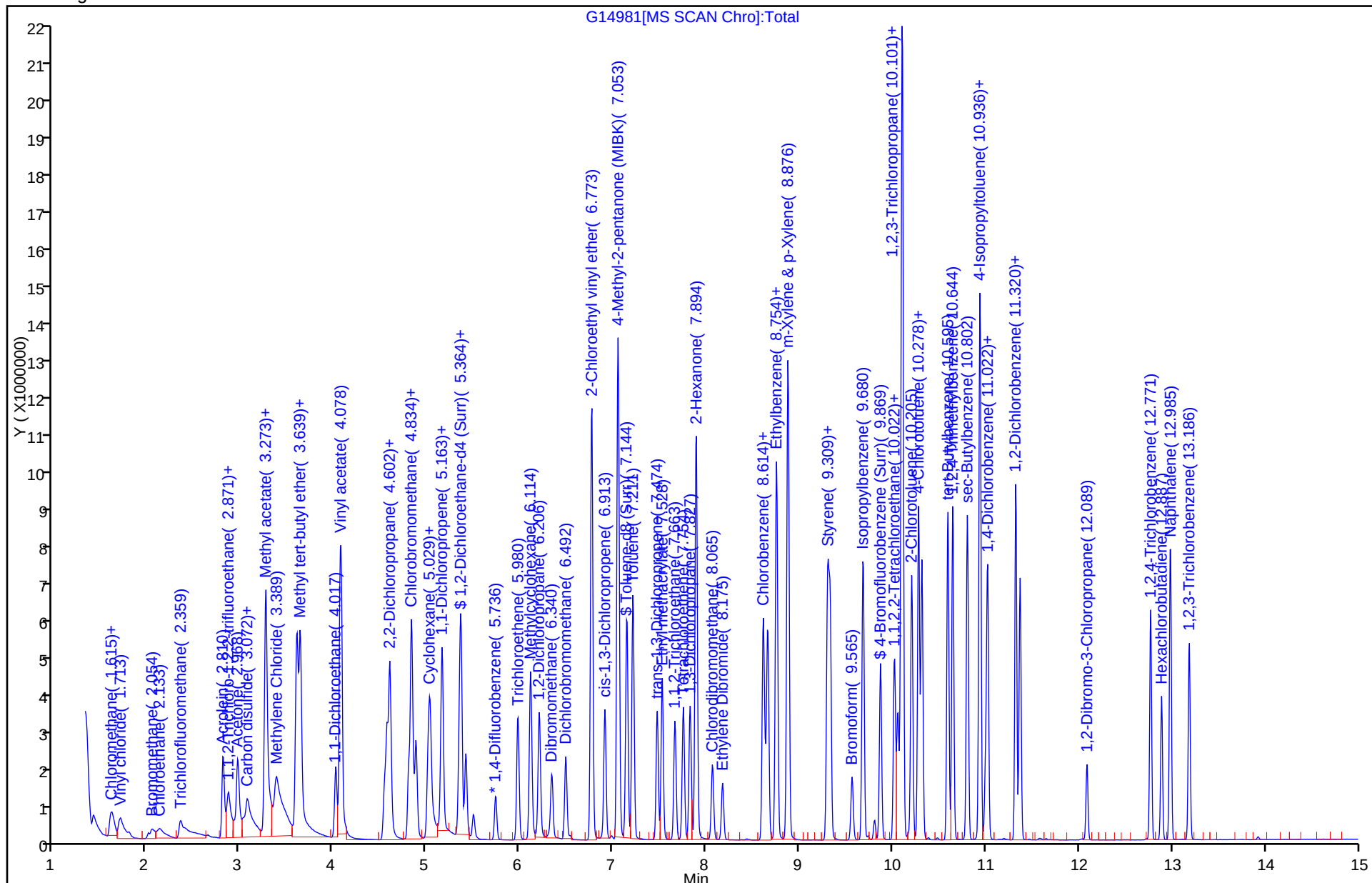
Lims Sample ID: 8

Operator ID: TF

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

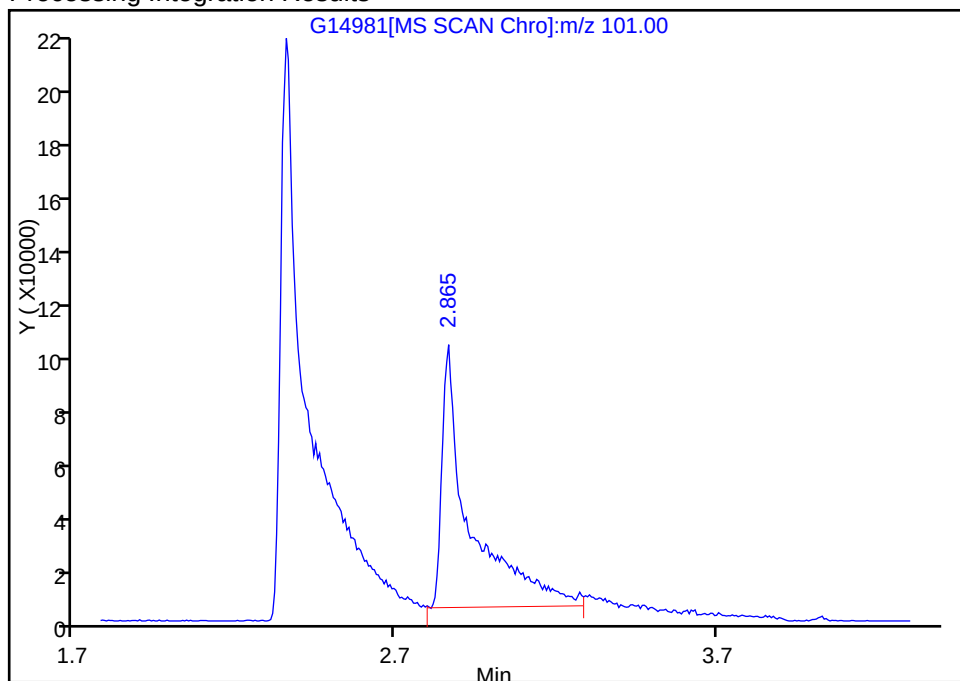


Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14981.D
Injection Date: 28-Sep-2012 17:49:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973G
Lims Batch ID: 82887 Lims Sample ID: 8
Operator ID: TF
Column Type: ZB-624 Column Dia: 0.25 mm

21 1,1,2-Trichloro-1,2,2-trifluoroethane, Signal: 1, m/z: 101.0 Type: quant, RT: 2.86

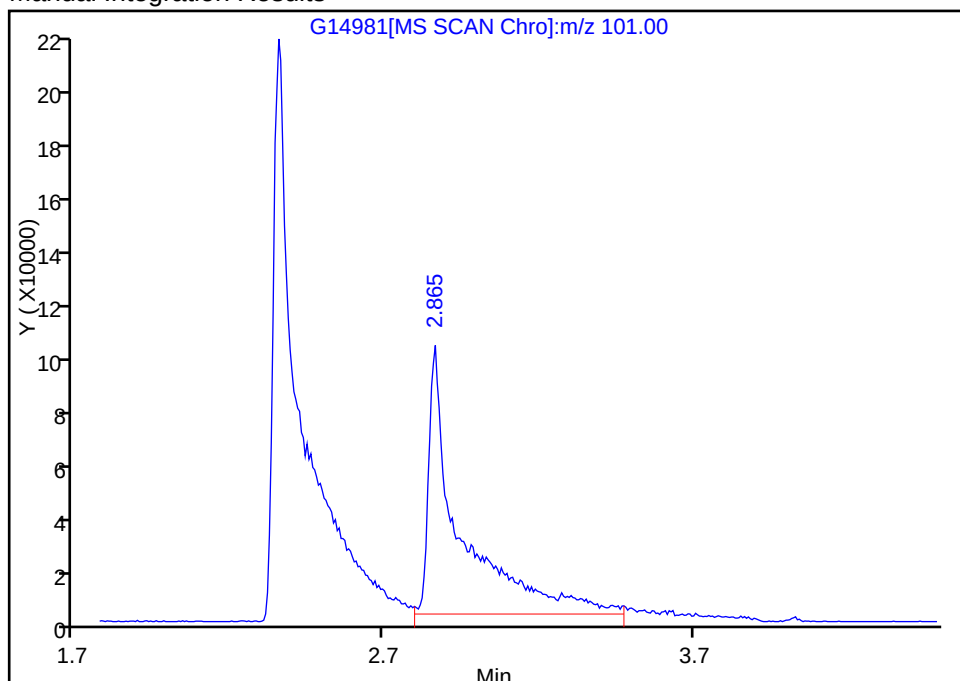
RT: 2.86
Response: 587686
Amount: 97.492271

Processing Integration Results



RT: 2.86
Response: 705698
Amount: 99.327061

Manual Integration Results



Reviewer: HillL, 28-Sep-2012 23:24:21
Audit Action: Manually Integrated
Audit Reason: Peak Tail

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1

SDG No.: _____

Lab Sample ID: CCVIS 480-86338/2 Calibration Date: 10/18/2012 22:02

Instrument ID: HP5973G Calib Start Date: 09/28/2012 15:56

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/28/2012 17:49

Lab File ID: G15794.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	0.3200	0.2695		21.1	25.0	-15.8	50.0
Chloromethane	Ave	0.4259	0.4295	0.1000	25.2	25.0	0.8	50.0
Vinyl chloride	Ave	0.3503	0.3758		26.8	25.0	7.3	20.0
Bromomethane	Ave	0.1302	0.1522		29.2	25.0	16.9	50.0
Chloroethane	Linl		0.1694		23.8	25.0	-4.8	50.0
Trichlorofluoromethane	Linl		0.3035		21.2	25.0	-15.3	50.0
Acrolein	Ave	0.0269	0.0334		621	500	24.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Qua		0.1485		17.2	25.0	-31.2	50.0
1,1-Dichloroethene	Linl		0.2265	0.1000	24.5	25.0	-2.0	20.0
Acetone	Ave	0.1437	0.1746		152	125	21.5	50.0
Iodomethane	Linl		0.2469		25.9	25.0	3.6	50.0
Carbon disulfide	Ave	0.6219	0.5670		22.8	25.0	-8.8	50.0
Acetonitrile	Linl		0.0375		939	1000	-6.1	50.0
Methyl acetate	Ave	0.5645	0.6187		27.4	25.0	9.6	50.0
Methylene Chloride	Ave	0.3761	0.3447		22.9	25.0	-8.3	50.0
Methyl tert-butyl ether	Ave	1.084	1.059		24.4	25.0	-2.3	50.0
trans-1,2-Dichloroethene	Ave	0.3134	0.3178		25.4	25.0	1.4	50.0
Acrylonitrile	Ave	0.2148	0.2193		128	125	2.1	50.0
1,1-Dichloroethane	Ave	0.5253	0.5622		26.8	25.0	7.0	50.0
Vinyl acetate	Ave	0.9376	1.001		133	125	6.8	50.0
2,2-Dichloropropane	Ave	0.3049	0.3661		30.0	25.0	20.0	50.0
cis-1,2-Dichloroethene	Ave	0.3099	0.3257		26.3	25.0	5.1	50.0
2-Butanone (MEK)	Ave	0.3179	0.3365		132	125	5.8	50.0
Bromochloromethane	Ave	0.1421	0.1399		24.6	25.0	-1.6	50.0
Tetrahydrofuran	Ave	0.2210	0.2283		129	125	3.3	50.0
Chloroform	Ave	0.3105	0.3252		26.2	25.0	4.7	20.0
1,1,1-Trichloroethane	Ave	0.3490	0.3742		26.8	25.0	7.2	50.0
Cyclohexane	Linl		0.5602		27.7	25.0	10.7	50.0
Carbon tetrachloride	Linl		0.3057		21.5	25.0	-14.1	50.0
1,1-Dichloropropene	Ave	0.3900	0.4233		27.1	25.0	8.5	50.0
Benzene	Ave	1.183	1.290		27.2	25.0	9.0	50.0
1,2-Dichloroethane	Ave	0.4770	0.4939		25.9	25.0	3.5	50.0
Trichloroethene	Ave	0.2983	0.3059		25.6	25.0	2.5	50.0
Methylcyclohexane	Linl		0.4656		25.5	25.0	2.0	50.0
1,2-Dichloropropane	Ave	0.3150	0.3234		25.7	25.0	2.7	20.0
Dibromomethane	Ave	0.1943	0.1849		23.8	25.0	-4.8	50.0
Bromodichloromethane	Ave	0.3654	0.3101		21.2	25.0	-15.1	50.0
2-Chloroethyl vinyl ether	Ave	0.2631	0.2630		125	125	-0.0	50.0
cis-1,3-Dichloropropene	Ave	0.4944	0.4670		23.6	25.0	-5.5	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.220	1.189		122	125	-2.5	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1

SDG No.: _____

Lab Sample ID: CCVIS 480-86338/2 Calibration Date: 10/18/2012 22:02

Instrument ID: HP5973G Calib Start Date: 09/28/2012 15:56

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/28/2012 17:49

Lab File ID: G15794.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	1.554	1.570		25.3	25.0	1.0	20.0
trans-1,3-Dichloropropene	Ave	0.9495	0.8248		21.7	25.0	-13.1	50.0
Ethyl methacrylate	Ave	1.087	0.9720		22.4	25.0	-10.5	50.0
1,1,2-Trichloroethane	Ave	0.4754	0.4419		23.2	25.0	-7.0	50.0
Tetrachloroethene	Ave	0.5528	0.5159		23.3	25.0	-6.7	50.0
1,3-Dichloropropane	Ave	1.089	1.046		24.0	25.0	-4.0	50.0
2-Hexanone	Ave	0.9215	0.8923		121	125	-3.2	50.0
Dibromochloromethane	Ave	0.5451	0.3780		17.3	25.0	-30.7	50.0
1,2-Dibromoethane	Ave	0.5988	0.5284		22.1	25.0	-11.7	50.0
Chlorobenzene	Ave	1.727	1.690	0.3000	24.5	25.0	-2.2	50.0
1,1,1,2-Tetrachloroethane	Ave	0.5312	0.4532		21.3	25.0	-14.7	50.0
Ethylbenzene	Ave	2.912	2.956		25.4	25.0	1.5	20.0
m,p-Xylene	Ave	1.068	1.077		50.4	50.0	0.8	50.0
o-Xylene	Ave	1.062	1.026		24.2	25.0	-3.3	50.0
Styrene	Ave	1.723	1.807		26.2	25.0	4.9	50.0
Bromoform	Ave	0.3609	0.1975	0.1000	13.7	25.0	-45.3	50.0
Isopropylbenzene	Ave	2.991	3.277		27.4	25.0	9.6	50.0
Bromobenzene	Ave	0.7081	0.7056		24.9	25.0	-0.4	50.0
1,1,2,2-Tetrachloroethane	Ave	1.014	1.021	0.3000	25.2	25.0	0.6	50.0
1,2,3-Trichloropropane	Ave	0.3248	0.3238		24.9	25.0	-0.3	50.0
N-Propylbenzene	Ave	3.920	4.334		27.6	25.0	10.6	50.0
trans-1,4-Dichloro-2-butene	Ave	0.3968	0.3439		108	125	-13.3	50.0
2-Chlorotoluene	Ave	0.7407	0.7727		26.1	25.0	4.3	50.0
1,3,5-Trimethylbenzene	Ave	2.623	2.921		27.8	25.0	11.4	50.0
4-Chlorotoluene	Ave	0.7886	0.8209		26.0	25.0	4.1	50.0
tert-Butylbenzene	Ave	0.6024	0.6316		26.2	25.0	4.9	50.0
1,2,4-Trimethylbenzene	Ave	2.724	2.934		26.9	25.0	7.7	50.0
sec-Butylbenzene	Ave	3.303	3.703		28.0	25.0	12.1	50.0
1,3-Dichlorobenzene	Ave	1.499	1.542		25.7	25.0	2.9	50.0
4-Isopropyltoluene	Ave	2.821	3.145		27.9	25.0	11.5	50.0
1,4-Dichlorobenzene	Ave	1.588	1.587		25.0	25.0	-0.1	50.0
n-Butylbenzene	Ave	2.797	3.211		28.7	25.0	14.8	50.0
1,2-Dichlorobenzene	Ave	1.543	1.534		24.8	25.0	-0.6	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.2705	0.2083		19.3	25.0	-23.0	50.0
1,2,4-Trichlorobenzene	Ave	1.049	1.016		24.2	25.0	-3.2	50.0
Hexachlorobutadiene	Ave	0.3902	0.3880		24.9	25.0	-0.6	50.0
Naphthalene	Ave	3.697	3.471		23.5	25.0	-6.1	50.0
1,2,3-Trichlorobenzene	Ave	0.9618	0.9123		23.7	25.0	-5.1	50.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2184		28.9	25.0	15.4	50.0
Toluene-d8 (Surr)	Lin1		2.448		28.0	25.0	12.1	50.0
4-Bromofluorobenzene (Surr)	Lin1		0.6129		24.7	25.0	-1.3	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15794.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 18-Oct-2012 22:02:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0015862-002 =480-0015862-002
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 51
 Lims Batch ID: 86338 Lims Sample ID: 2
 Sublist: chrom-G-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 18-Oct-2012 22:30:46 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK022

First Level Reviewer: larsonr

Date: 18-Oct-2012 22:30:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	837444	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	439410	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	87	360600	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	182893	28.9	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.144	0.0	94	1075535	28.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.869	0.0	79	269294	24.7	
10 Dichlorodifluoromethane	85	1.420	1.420	0.0	87	225722	21.1	
12 Chloromethane	50	1.609	1.609	0.0	89	359668	25.2	
13 Vinyl chloride	62	1.700	1.700	0.0	82	314687	26.8	
14 Bromomethane	94	2.011	2.011	0.0	91	127451	29.2	M
15 Chloroethane	64	2.121	2.121	0.0	93	141854	23.8	
17 Trichlorofluoromethane	101	2.347	2.347	0.0	86	254164	21.2	
19 Acrolein	56	2.810	2.810	0.0	99	558815	620.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.853	2.853	0.0	83	124354	17.2	
20 1,1-Dichloroethene	96	2.865	2.865	0.0	81	189677	24.5	
22 Acetone	43	2.974	2.974	0.0	97	731187	151.9	
23 Iodomethane	142	3.023	3.023	0.0	97	206721	25.9	
24 Carbon disulfide	76	3.060	3.060	0.0	100	474856	22.8	
27 Acetonitrile	40	3.267	3.267	0.0	99	1254473	938.8	
28 Methyl acetate	43	3.273	3.273	0.0	98	518100	27.4	
29 Methylene Chloride	84	3.371	3.371	0.0	91	288695	22.9	
31 Methyl tert-butyl ether	73	3.602	3.602	0.0	99	887027	24.4	
32 trans-1,2-Dichloroethene	96	3.608	3.608	0.0	91	266114	25.4	
33 Acrylonitrile	53	3.639	3.639	0.0	97	918065	127.6	
36 1,1-Dichloroethane	63	4.017	4.017	0.0	85	470820	26.8	
38 Vinyl acetate	43	4.072	4.072	0.0	97	4191312	133.4	
42 2,2-Dichloropropane	77	4.547	4.547	0.0	89	306567	30.0	
43 cis-1,2-Dichloroethene	96	4.572	4.572	0.0	72	272738	26.3	
44 2-Butanone (MEK)	43	4.602	4.602	0.0	98	1409071	132.3	
48 Chlorobromomethane	128	4.809	4.809	0.0	89	117125	24.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.840	4.840	0.0	93	955717	129.1	
50 Chloroform	85	4.883	4.883	0.0	83	272312	26.2	
51 1,1,1-Trichloroethane	97	5.011	5.011	0.0	92	313371	26.8	
52 Cyclohexane	56	5.029	5.029	0.0	95	469162	27.7	
53 Carbon tetrachloride	117	5.157	5.157	0.0	78	255967	21.5	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	91	354515	27.1	
56 Benzene	78	5.364	5.364	0.0	97	1080108	27.2	
57 1,2-Dichloroethane	62	5.419	5.419	0.0	89	413620	25.9	
61 Trichloroethene	95	5.974	5.974	0.0	93	256136	25.6	
62 Methylcyclohexane	83	6.108	6.108	0.0	97	389949	25.5	
63 1,2-Dichloropropane	63	6.206	6.206	0.0	87	270795	25.7	
65 Dibromomethane	93	6.340	6.340	0.0	82	154836	23.8	
67 Dichlorobromomethane	83	6.492	6.492	0.0	92	259656	21.2	
70 2-Chloroethyl vinyl ether	63	6.766	6.766	0.0	89	1101049	124.9	
72 cis-1,3-Dichloropropene	75	6.913	6.913	0.0	87	391100	23.6	
73 4-Methyl-2-pentanone (MIBK)	43	7.047	7.047	0.0	99	2612613	121.9	
74 Toluene	92	7.211	7.211	0.0	98	689906	25.3	
76 trans-1,3-Dichloropropene	75	7.474	7.474	0.0	95	362442	21.7	
78 Ethyl methacrylate	69	7.522	7.522	0.0	95	427105	22.4	
79 1,1,2-Trichloroethane	83	7.663	7.663	0.0	88	194170	23.2	
80 Tetrachloroethene	166	7.754	7.754	0.0	87	226692	23.3	
81 1,3-Dichloropropane	76	7.827	7.827	0.0	98	459464	24.0	
82 2-Hexanone	43	7.888	7.888	0.0	98	1960484	121.0	
83 Chlorodibromomethane	129	8.065	8.065	0.0	89	166076	17.3	
84 Ethylene Dibromide	107	8.175	8.175	0.0	98	232202	22.1	
86 Chlorobenzene	112	8.656	8.656	0.0	91	742605	24.5	
88 1,1,1,2-Tetrachloroethane	131	8.754	8.754	0.0	37	199136	21.3	
89 Ethylbenzene	91	8.754	8.754	0.0	99	1299025	25.4	
90 m-Xylene & p-Xylene	106	8.876	8.876	0.0	99	946109	50.4	
91 o-Xylene	106	9.302	9.302	0.0	99	451032	24.2	
92 Styrene	104	9.327	9.327	0.0	95	793959	26.2	
93 Bromoform	173	9.565	9.565	0.0	93	86771	13.7	
95 Isopropylbenzene	105	9.680	9.680	0.0	97	1181747	27.4	
97 Bromobenzene	156	10.022	10.022	0.0	96	254442	24.9	
98 1,1,2,2-Tetrachloroethane	83	10.052	10.052	0.0	89	368198	25.2	
99 1,2,3-Trichloropropane	110	10.089	10.089	0.0	74	116747	24.9	
101 N-Propylbenzene	91	10.101	10.101	0.0	94	1562994	27.6	
100 trans-1,4-Dichloro-2-butene	53	10.101	10.101	0.0	59	620048	108.3	
102 2-Chlorotoluene	126	10.205	10.205	0.0	95	278644	26.1	
104 1,3,5-Trimethylbenzene	105	10.278	10.278	0.0	94	1053167	27.8	
105 4-Chlorotoluene	126	10.314	10.314	0.0	97	295997	26.0	
106 tert-Butylbenzene	134	10.589	10.589	0.0	92	227751	26.2	
107 1,2,4-Trimethylbenzene	105	10.644	10.644	0.0	98	1058177	26.9	
109 sec-Butylbenzene	105	10.802	10.802	0.0	95	1335290	28.0	
110 1,3-Dichlorobenzene	146	10.930	10.930	0.0	94	556222	25.7	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	96	1134036	27.9	
113 1,4-Dichlorobenzene	146	11.016	11.016	0.0	89	572126	25.0	
115 n-Butylbenzene	91	11.320	11.320	0.0	98	1157754	28.7	
116 1,2-Dichlorobenzene	146	11.369	11.369	0.0	92	553039	24.8	
117 1,2-Dibromo-3-Chloropropane	75	12.082	12.082	0.0	70	75125	19.3	
119 1,2,4-Trichlorobenzene	180	12.771	12.771	0.0	93	366193	24.2	
120 Hexachlorobutadiene	225	12.887	12.887	0.0	92	139903	24.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.979	12.979	0.0	98	1251533	23.5	
122 1,2,3-Trichlorobenzene	180	13.186	13.186	0.0	93	328957	23.7	
S 125 1,2-Dichloroethene, Total	1				0		51.6	
S 126 1,3-Dichloropropene, Total	1				0		45.3	
S 123 Total BTEX	1				0		152.5	
S 124 Xylenes, Total	1				0		74.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 18-Oct-2012 22:30:46

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15794.D

Injection Date: 18-Oct-2012 22:02:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973G

Lims Batch ID: 86338

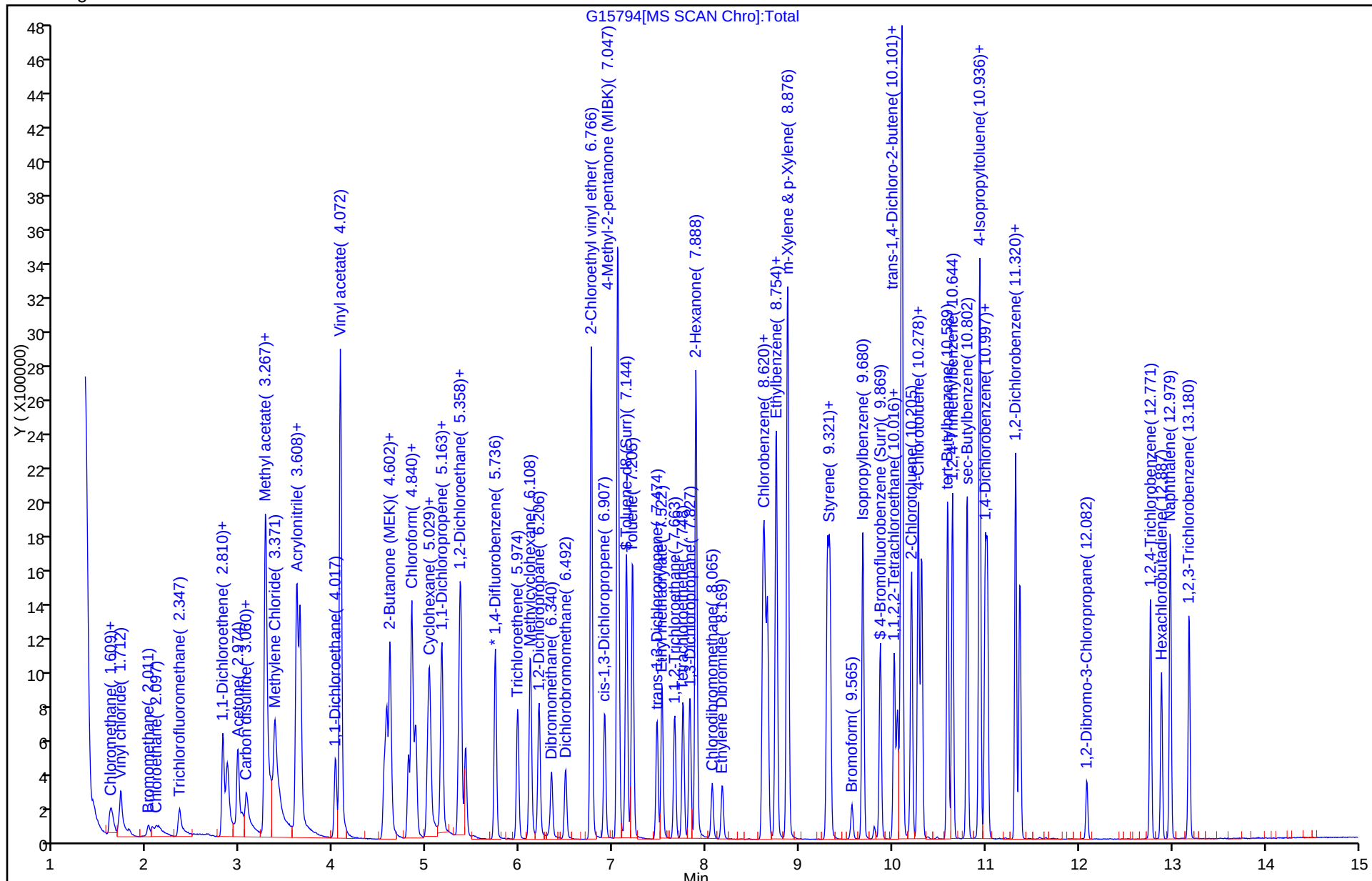
Lims Sample ID: 2

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



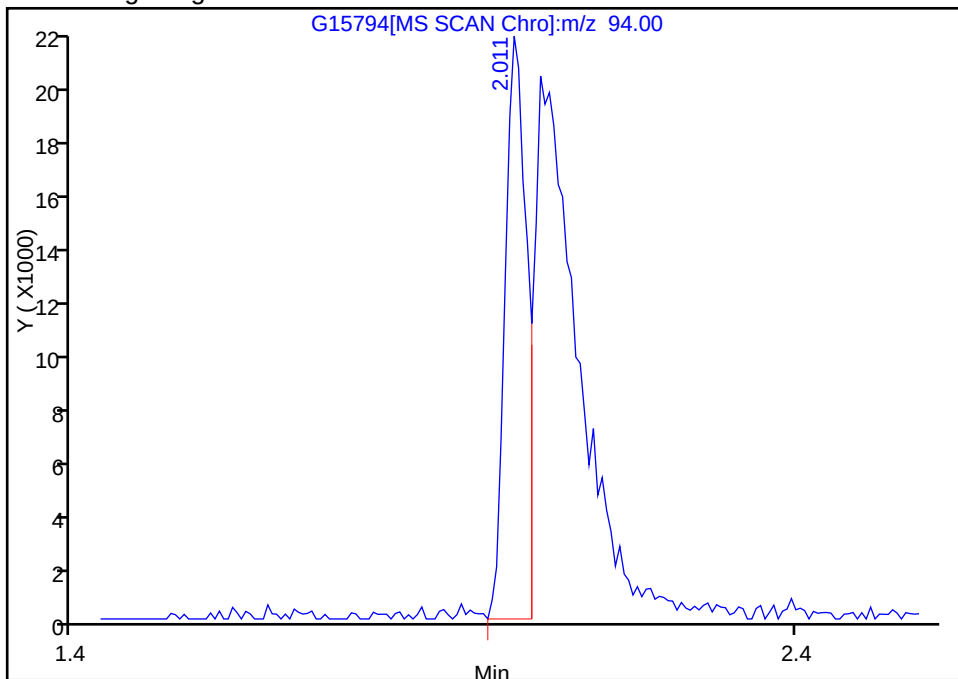
10/24/2012

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15794.D
Injection Date: 18-Oct-2012 22:02:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973G
Lims Batch ID: 86338 Lims Sample ID: 2
Operator ID: RAL
Column Type: ZB-624 Column Dia: 0.25 mm

14 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 2.01

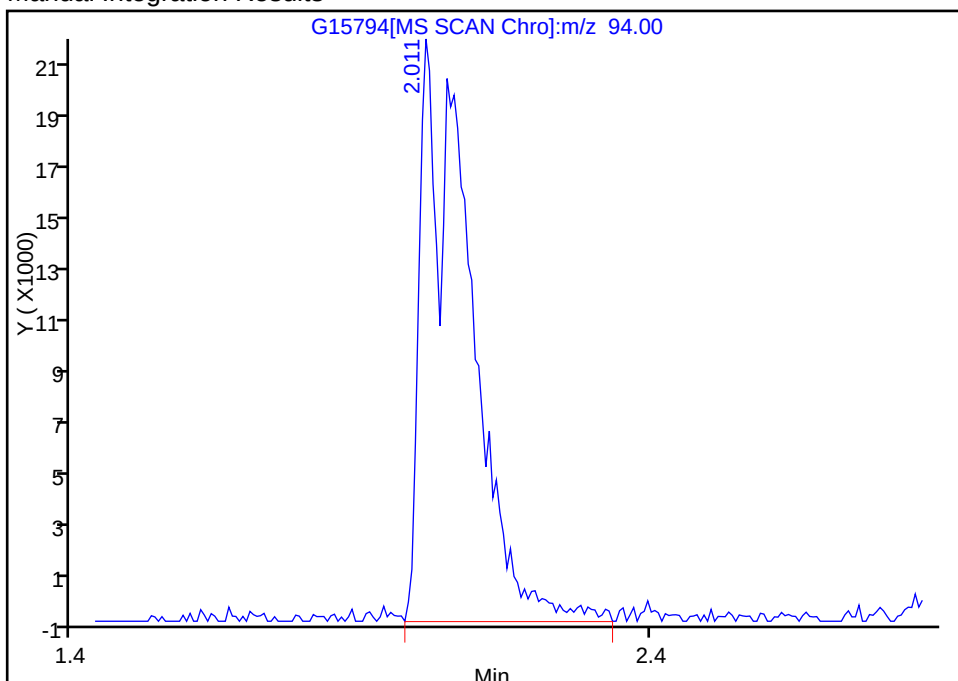
RT: 2.01
Response: 44621
Amount: 10.229217

Processing Integration Results



RT: 2.01
Response: 127451
Amount: 29.217722

Manual Integration Results



Reviewer: larsonr, 18-Oct-2012 22:30:46
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1

SDG No.: _____

Lab Sample ID: CCVIS 480-86398/2 Calibration Date: 10/19/2012 09:56

Instrument ID: HP5973G Calib Start Date: 09/28/2012 15:56

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/28/2012 17:49

Lab File ID: G15822.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	0.3200	0.2374		18.5	25.0	-25.8	50.0
Chloromethane	Ave	0.4259	0.3932	0.1000	23.1	25.0	-7.7	50.0
Vinyl chloride	Ave	0.3503	0.3543		25.3	25.0	1.1	20.0
Bromomethane	Ave	0.1302	0.1574		30.2	25.0	20.8	50.0
Chloroethane	Linl		0.1817		25.6	25.0	2.2	50.0
Trichlorofluoromethane	Linl		0.2875		20.1	25.0	-19.6	50.0
Acrolein	Ave	0.0269	0.0342		636	500	27.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Qua		0.1607		18.5	25.0	-26.2	50.0
1,1-Dichloroethene	Linl		0.1997	0.1000	21.6	25.0	-13.6	20.0
Acetone	Ave	0.1437	0.1806		157	125	25.7	50.0
Iodomethane	Linl		0.2432		25.5	25.0	2.1	50.0
Carbon disulfide	Ave	0.6219	0.4342		17.5	25.0	-30.2	50.0
Acetonitrile	Linl		0.0498		1250	1000	24.5	50.0
Methyl acetate	Ave	0.5645	0.6112		27.1	25.0	8.3	50.0
Methylene Chloride	Ave	0.3761	0.3374		22.4	25.0	-10.3	50.0
Methyl tert-butyl ether	Ave	1.084	1.086		25.0	25.0	0.2	50.0
trans-1,2-Dichloroethene	Ave	0.3134	0.2883		23.0	25.0	-8.0	50.0
Acrylonitrile	Ave	0.2148	0.2230		130	125	3.8	50.0
1,1-Dichloroethane	Ave	0.5253	0.5670		27.0	25.0	7.9	50.0
Vinyl acetate	Ave	0.9376	1.014		135	125	8.2	50.0
2,2-Dichloropropane	Ave	0.3049	0.3604		29.5	25.0	18.2	50.0
cis-1,2-Dichloroethene	Ave	0.3099	0.3329		26.9	25.0	7.4	50.0
2-Butanone (MEK)	Ave	0.3179	0.3474		137	125	9.3	50.0
Bromochloromethane	Ave	0.1421	0.1454		25.6	25.0	2.3	50.0
Tetrahydrofuran	Ave	0.2210	0.2372		134	125	7.3	50.0
Chloroform	Ave	0.3105	0.3227		26.0	25.0	3.9	20.0
1,1,1-Trichloroethane	Ave	0.3490	0.3848		27.6	25.0	10.3	50.0
Cyclohexane	Linl		0.5459		27.0	25.0	7.9	50.0
Carbon tetrachloride	Linl		0.2903		20.4	25.0	-18.3	50.0
1,1-Dichloropropene	Ave	0.3900	0.4324		27.7	25.0	10.9	50.0
Benzene	Ave	1.183	1.280		27.0	25.0	8.1	50.0
1,2-Dichloroethane	Ave	0.4770	0.5049		26.5	25.0	5.9	50.0
Trichloroethene	Ave	0.2983	0.3115		26.1	25.0	4.4	50.0
Methylcyclohexane	Linl		0.4676		25.6	25.0	2.4	50.0
1,2-Dichloropropane	Ave	0.3150	0.3329		26.4	25.0	5.7	20.0
Dibromomethane	Ave	0.1943	0.1887		24.3	25.0	-2.9	50.0
Bromodichloromethane	Ave	0.3654	0.3119		21.3	25.0	-14.6	50.0
2-Chloroethyl vinyl ether	Ave	0.2631	0.2724		129	125	3.6	50.0
cis-1,3-Dichloropropene	Ave	0.4944	0.4857		24.6	25.0	-1.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.220	1.265		130	125	3.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1

SDG No.: _____

Lab Sample ID: CCVIS 480-86398/2 Calibration Date: 10/19/2012 09:56

Instrument ID: HP5973G Calib Start Date: 09/28/2012 15:56

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/28/2012 17:49

Lab File ID: G15822.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	1.554	1.589		25.6	25.0	2.3	20.0
trans-1,3-Dichloropropene	Ave	0.9495	0.8659		22.8	25.0	-8.8	50.0
Ethyl methacrylate	Ave	1.087	1.052		24.2	25.0	-3.2	50.0
1,1,2-Trichloroethane	Ave	0.4754	0.4519		23.8	25.0	-4.9	50.0
Tetrachloroethene	Ave	0.5528	0.5463		24.7	25.0	-1.2	50.0
1,3-Dichloropropane	Ave	1.089	1.061		24.4	25.0	-2.5	50.0
2-Hexanone	Ave	0.9215	0.9673		131	125	5.0	50.0
Dibromochloromethane	Ave	0.5451	0.3970		18.2	25.0	-27.2	50.0
1,2-Dibromoethane	Ave	0.5988	0.5616		23.4	25.0	-6.2	50.0
Chlorobenzene	Ave	1.727	1.735	0.3000	25.1	25.0	0.4	50.0
1,1,1,2-Tetrachloroethane	Ave	0.5312	0.4632		21.8	25.0	-12.8	50.0
Ethylbenzene	Ave	2.912	3.069		26.4	25.0	5.4	20.0
m,p-Xylene	Ave	1.068	1.106		51.8	50.0	3.6	50.0
o-Xylene	Ave	1.062	1.068		25.2	25.0	0.6	50.0
Styrene	Ave	1.723	1.853		26.9	25.0	7.6	50.0
Bromoform	Ave	0.3609	0.2121	0.1000	14.7	25.0	-41.2	50.0
Isopropylbenzene	Ave	2.991	3.385		28.3	25.0	13.2	50.0
Bromobenzene	Ave	0.7081	0.7227		25.5	25.0	2.1	50.0
1,1,2,2-Tetrachloroethane	Ave	1.014	1.034	0.3000	25.5	25.0	1.9	50.0
1,2,3-Trichloropropane	Ave	0.3248	0.3296		25.4	25.0	1.5	50.0
N-Propylbenzene	Ave	3.920	4.398		28.1	25.0	12.2	50.0
trans-1,4-Dichloro-2-butene	Ave	0.3968	0.3423		108	125	-13.7	50.0
2-Chlorotoluene	Ave	0.7407	0.7902		26.7	25.0	6.7	50.0
1,3,5-Trimethylbenzene	Ave	2.623	2.950		28.1	25.0	12.5	50.0
4-Chlorotoluene	Ave	0.7886	0.8551		27.1	25.0	8.4	50.0
tert-Butylbenzene	Ave	0.6024	0.6583		27.3	25.0	9.3	50.0
1,2,4-Trimethylbenzene	Ave	2.724	2.953		27.1	25.0	8.4	50.0
sec-Butylbenzene	Ave	3.303	3.700		28.0	25.0	12.0	50.0
1,3-Dichlorobenzene	Ave	1.499	1.563		26.1	25.0	4.3	50.0
4-Isopropyltoluene	Ave	2.821	3.171		28.1	25.0	12.4	50.0
1,4-Dichlorobenzene	Ave	1.588	1.614		25.4	25.0	1.6	50.0
n-Butylbenzene	Ave	2.797	3.108		27.8	25.0	11.1	50.0
1,2-Dichlorobenzene	Ave	1.543	1.543		25.0	25.0	-0.0	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.2705	0.2136		19.7	25.0	-21.0	50.0
1,2,4-Trichlorobenzene	Ave	1.049	1.030		24.6	25.0	-1.8	50.0
Hexachlorobutadiene	Ave	0.3902	0.3942		25.3	25.0	1.0	50.0
Naphthalene	Ave	3.697	3.459		23.4	25.0	-6.4	50.0
1,2,3-Trichlorobenzene	Ave	0.9618	0.9042		23.5	25.0	-6.0	50.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2161		28.6	25.0	14.2	50.0
Toluene-d8 (Surr)	Lin1		2.464		28.2	25.0	12.8	50.0
4-Bromofluorobenzene (Surr)	Lin1		0.5884		23.7	25.0	-5.1	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15822.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 19-Oct-2012 09:56:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0015869-002 =480-0015869-002
 Operator: TF Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 25
 Lims Batch ID: 86398 Lims Sample ID: 2
 Sublist: chrom-G-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G-8260.m
 Last Update: 19-Oct-2012 11:41:21 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 19-Oct-2012 10:37:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	96	838264	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	428097	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	78	352496	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	181104	28.6	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.144	0.0	93	1054940	28.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.869	0.0	79	251901	23.7	
10 Dichlorodifluoromethane	85	1.432	1.432	0.0	87	198964	18.5	
12 Chloromethane	50	1.615	1.615	0.0	89	329621	23.1	
13 Vinyl chloride	62	1.712	1.712	0.0	73	296997	25.3	
14 Bromomethane	94	2.042	2.042	0.0	91	131918	30.2	
15 Chloroethane	64	2.127	2.127	0.0	95	152331	25.6	
17 Trichlorofluoromethane	101	2.353	2.353	0.0	84	241034	20.1	
19 Acrolein	56	2.816	2.816	0.0	98	572848	635.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.859	2.859	0.0	55	134716	18.5	
20 1,1-Dichloroethene	96	2.865	2.865	0.0	85	167361	21.6	
22 Acetone	43	2.974	2.974	0.0	97	756963	157.1	
23 Iodomethane	142	3.029	3.029	0.0	96	203830	25.5	
24 Carbon disulfide	76	3.072	3.072	0.0	100	364009	17.5	
27 Acetonitrile	40	3.273	3.273	0.0	100	1670663	1245.4	
28 Methyl acetate	43	3.279	3.279	0.0	97	512358	27.1	
29 Methylene Chloride	84	3.377	3.377	0.0	88	282846	22.4	
31 Methyl tert-butyl ether	73	3.608	3.608	0.0	93	910372	25.0	
32 trans-1,2-Dichloroethene	96	3.614	3.614	0.0	89	241646	23.0	
33 Acrylonitrile	53	3.645	3.645	0.0	98	934783	129.8	
36 1,1-Dichloroethane	63	4.023	4.023	0.0	85	475307	27.0	
38 Vinyl acetate	43	4.078	4.078	0.0	97	4250197	135.2	
42 2,2-Dichloropropane	77	4.553	4.553	0.0	90	302129	29.5	
43 cis-1,2-Dichloroethene	96	4.578	4.578	0.0	72	279071	26.9	
44 2-Butanone (MEK)	43	4.608	4.608	0.0	98	1455965	136.6	
48 Chlorobromomethane	128	4.809	4.809	0.0	87	121842	25.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.840	4.840	0.0	93	993952	134.2	
50 Chloroform	85	4.883	4.883	0.0	83	270544	26.0	
51 1,1,1-Trichloroethane	97	5.017	5.017	0.0	93	322599	27.6	
52 Cyclohexane	56	5.035	5.035	0.0	94	457606	27.0	
53 Carbon tetrachloride	117	5.157	5.157	0.0	83	243377	20.4	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	90	362441	27.7	
56 Benzene	78	5.364	5.364	0.0	98	1072833	27.0	
57 1,2-Dichloroethane	62	5.419	5.419	0.0	89	423272	26.5	
61 Trichloroethene	95	5.974	5.974	0.0	93	261129	26.1	
62 Methylcyclohexane	83	6.114	6.114	0.0	97	391964	25.6	
63 1,2-Dichloropropane	63	6.205	6.205	0.0	88	279090	26.4	
65 Dibromomethane	93	6.340	6.340	0.0	80	158160	24.3	
67 Dichlorobromomethane	83	6.492	6.492	0.0	92	261460	21.3	
70 2-Chloroethyl vinyl ether	63	6.766	6.766	0.0	89	1141828	129.4	
72 cis-1,3-Dichloropropene	75	6.913	6.913	0.0	86	407140	24.6	
73 4-Methyl-2-pentanone (MIBK)	43	7.053	7.053	0.0	99	2708297	129.7	
74 Toluene	92	7.211	7.211	0.0	97	680456	25.6	
76 trans-1,3-Dichloropropene	75	7.473	7.473	0.0	95	370689	22.8	
78 Ethyl methacrylate	69	7.528	7.528	0.0	94	450258	24.2	
79 1,1,2-Trichloroethane	83	7.662	7.662	0.0	88	193458	23.8	
80 Tetrachloroethene	166	7.754	7.754	0.0	86	233888	24.7	
81 1,3-Dichloropropane	76	7.821	7.821	0.0	98	454356	24.4	
82 2-Hexanone	43	7.888	7.888	0.0	98	2070467	131.2	
83 Chlorodibromomethane	129	8.065	8.065	0.0	89	169943	18.2	
84 Ethylene Dibromide	107	8.168	8.168	0.0	98	240398	23.4	
86 Chlorobenzene	112	8.656	8.656	0.0	91	742591	25.1	
89 Ethylbenzene	91	8.754	8.754	0.0	99	1313941	26.4	
88 1,1,1,2-Tetrachloroethane	131	8.754	8.754	0.0	67	198283	21.8	
90 m-Xylene & p-Xylene	106	8.876	8.876	0.0	99	947223	51.8	
91 o-Xylene	106	9.302	9.302	0.0	99	457179	25.2	
92 Styrene	104	9.327	9.327	0.0	95	793391	26.9	
93 Bromoform	173	9.565	9.565	0.0	94	90780	14.7	
95 Isopropylbenzene	105	9.680	9.680	0.0	97	1193156	28.3	
97 Bromobenzene	156	10.016	10.016	0.0	95	254753	25.5	
98 1,1,2,2-Tetrachloroethane	83	10.052	10.052	0.0	86	364416	25.5	
99 1,2,3-Trichloropropane	110	10.089	10.089	0.0	77	116183	25.4	
100 trans-1,4-Dichloro-2-butene	53	10.101	10.101	0.0	61	603218	107.8	
101 N-Propylbenzene	91	10.101	10.101	0.0	95	1550432	28.1	
102 2-Chlorotoluene	126	10.205	10.205	0.0	95	278526	26.7	
104 1,3,5-Trimethylbenzene	105	10.278	10.278	0.0	94	1039922	28.1	
105 4-Chlorotoluene	126	10.314	10.314	0.0	96	301420	27.1	
106 tert-Butylbenzene	134	10.589	10.589	0.0	92	232063	27.3	
107 1,2,4-Trimethylbenzene	105	10.644	10.644	0.0	97	1040864	27.1	
109 sec-Butylbenzene	105	10.802	10.802	0.0	95	1304347	28.0	
110 1,3-Dichlorobenzene	146	10.930	10.930	0.0	93	551021	26.1	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	96	1117660	28.1	
113 1,4-Dichlorobenzene	146	11.022	11.022	0.0	92	569071	25.4	
115 n-Butylbenzene	91	11.320	11.320	0.0	98	1095542	27.8	
116 1,2-Dichlorobenzene	146	11.369	11.369	0.0	92	543930	25.0	
117 1,2-Dibromo-3-Chloropropane	75	12.088	12.088	0.0	68	75303	19.7	
119 1,2,4-Trichlorobenzene	180	12.771	12.771	0.0	93	363159	24.6	
120 Hexachlorobutadiene	225	12.887	12.887	0.0	94	138943	25.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.979	12.979	0.0	98	1219448	23.4	
122 1,2,3-Trichlorobenzene	180	13.186	13.186	0.0	94	318710	23.5	
S 123 Total BTEX	1				0		155.9	
S 124 Xylenes, Total	1				0		77.0	
S 125 1,2-Dichloroethene, Total	1				0		49.9	
S 126 1,3-Dichloropropene, Total	1				0		47.4	

Report Date: 19-Oct-2012 11:41:21

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15822.D

Injection Date: 19-Oct-2012 09:56:30

Limit Group: MV - 8260B ICAL

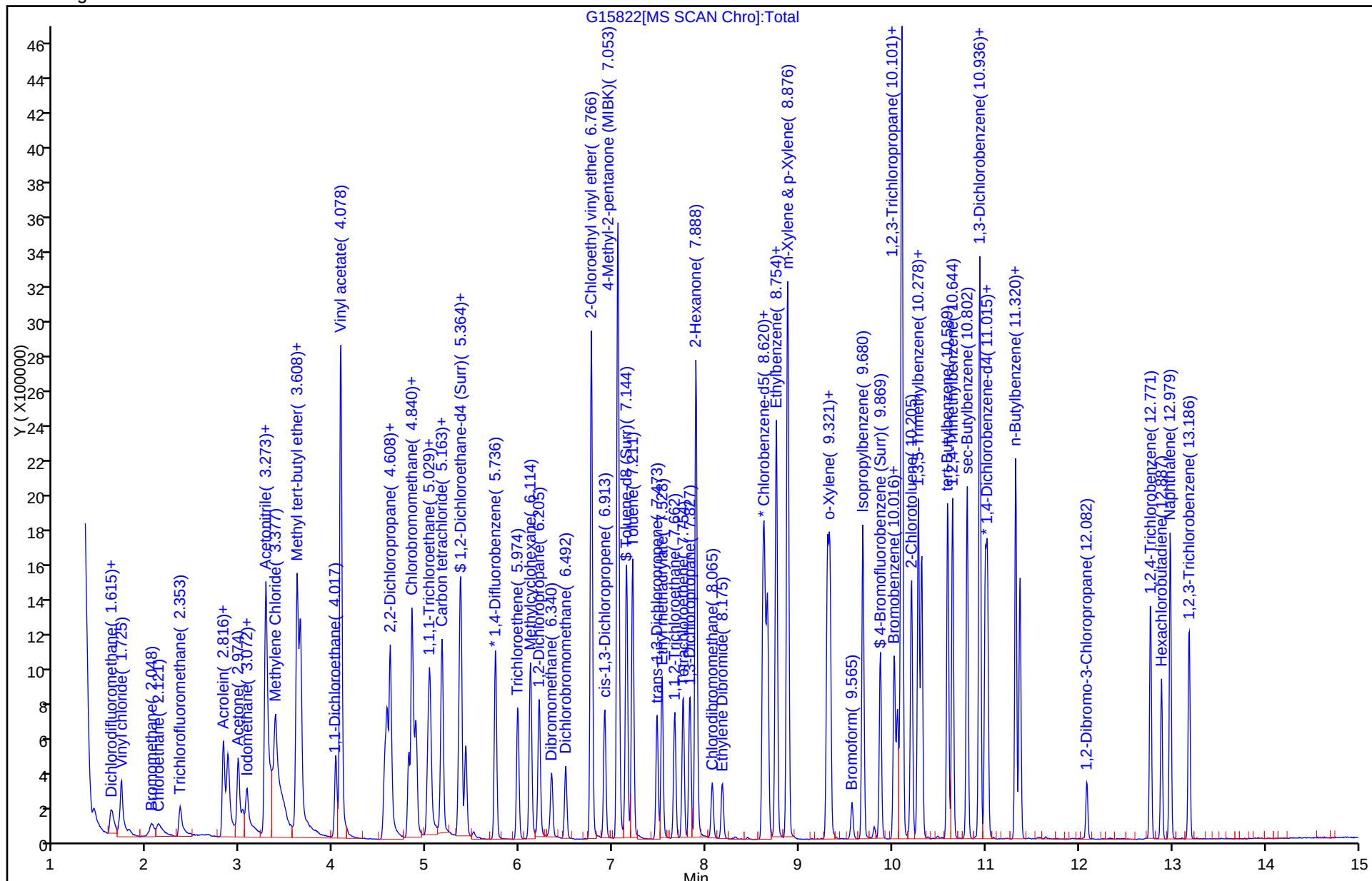
Client ID: Instrument ID: HP5973G

Lims Batch ID: 86398 Lims Sample ID: 2

Operator ID: TF

Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14974.D
Lims ID: BFB Client ID:
Inject. Date: 28-Sep-2012 14:59:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0015247-001 =480-0015247-001
Operator: TF Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 12
Lims Batch ID: 82887 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G-8260.m
Last Update: 28-Sep-2012 16:45:20 Calib Date: 20-Aug-2012 20:14:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120820-14228.b\G13799.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 28-Sep-2012 16:45:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 35 BFB	95	3.962	3.962	0.0	0	209407	0	

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14974.D

Injection Date: 28-Sep-2012 14:59:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973G

Lims Batch ID: 82887

Lims Sample ID: 1

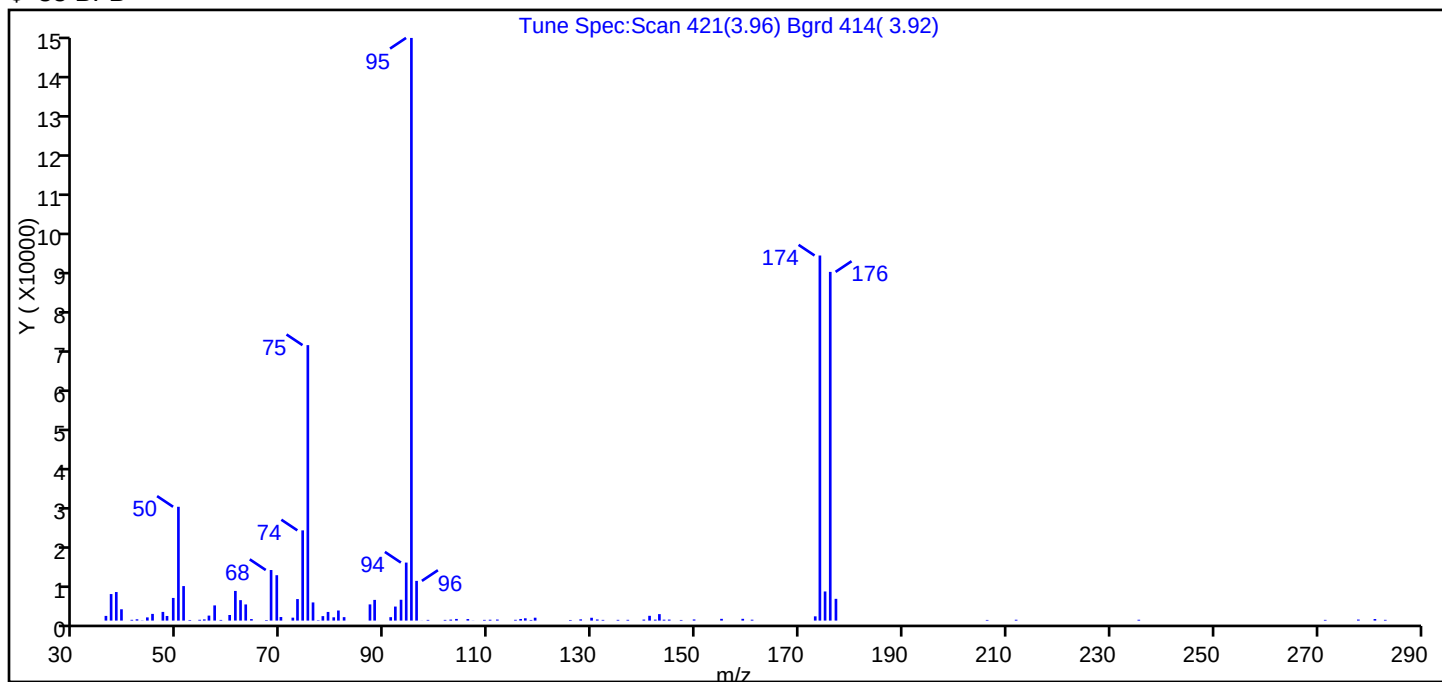
Operator ID: TF

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.53
75	30.00 - 60.00% of mass 95	47.28
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.73 (1.17)
174	Greater than 50.00% of mass 95	62.66
175	5.00 - 9.00% of mass 174	5.00 (7.98)
176	95.00 - 101.00% of mass 174	59.85 (95.52)
177	5.00 - 9.00% of mass 176	3.73 (6.24)

Data File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14974.D\G-8260.rsl\spectra.d
Injection Date: 28-Sep-2012 14:59:30
Spectrum: Tune Spec:Scan 421(3.96) Bgrd 414(3.92)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1134	64.10	363	97.00	24	142.10	235
37.00	6409	67.00	144	98.20	173	142.90	1562
38.00	6896	67.90	12211	101.50	172	143.80	222
39.00	2736	69.00	10960	102.60	241	144.80	241
41.00	189	69.80	864	103.70	400	147.10	157
42.00	316	72.10	710	105.90	372	149.60	277
43.00	55	73.00	5199	106.90	29	154.90	425
44.00	774	74.00	21784	109.10	175	159.00	430
45.00	1617	75.00	66504	110.20	210	160.80	215
47.00	2097	76.00	4386	111.60	251	173.00	1028
47.80	1114	77.00	104	115.10	192	173.90	88144
49.00	5473	77.90	1080	116.10	393	174.90	7035
50.00	27480	78.90	2091	117.00	558	175.90	84192
51.00	8335	80.00	795	118.10	158	177.00	5253
52.20	148	80.90	2437	118.90	698	206.20	160
54.10	196	82.00	834	125.70	150	211.80	208
55.00	288	87.00	3911	127.70	300	235.50	204
55.90	1206	87.90	4999	129.80	684	271.50	176
57.00	3669	91.00	828	130.90	271	277.90	252
58.20	163	91.90	3390	132.00	173	281.10	376
59.90	1353	93.00	5035	134.90	182	283.10	184
61.00	7163	94.00	14006	136.80	187		
62.00	4938	95.00	140672	139.90	247		
63.00	3902	96.00	9588	141.00	1155		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15793.D
Lims ID: BFB Client ID:
Inject. Date: 18-Oct-2012 21:37:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0015862-001 =480-0015862-001
Operator: RAL Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 50
Lims Batch ID: 86338 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
Last Update: 18-Oct-2012 21:47:58 Calib Date: 28-Sep-2012 21:56:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK022

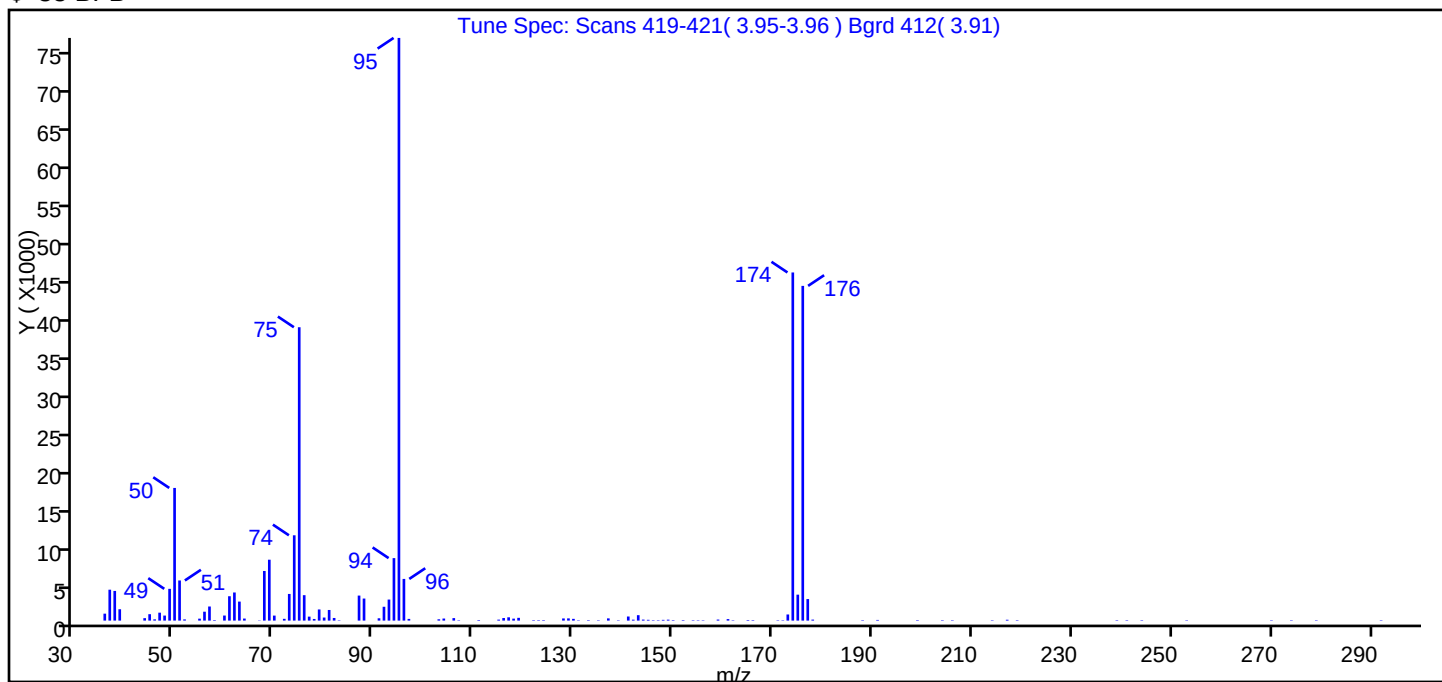
First Level Reviewer: larsonr

Date: 18-Oct-2012 21:47:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 35 BFB	95	3.956	3.956	0.0	0	143674	0	

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15793.D
Injection Date: 18-Oct-2012 21:37:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973G
Lims Batch ID: 86338 Lims Sample ID: 1
Operator ID: RAL
Column Type: ZB-624 Column Dia: 0.25 mm
Tune Method: BFB Method 8260

\$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.77
75	30.00 - 60.00% of mass 95	50.35
96	5.00 - 9.00% of mass 95	7.15
173	Less than 2.00% of mass 174	1.05 (1.76)
174	Greater than 50.00% of mass 95	59.75
175	5.00 - 9.00% of mass 174	4.45 (7.45)
176	95.00 - 101.00% of mass 174	57.45 (96.15)
177	5.00 - 9.00% of mass 176	3.70 (6.43)

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15793.D\G-8260.rsl\spectra.d
Injection Date: 18-Oct-2012 21:37:30
Spectrum: Tune Spec: Scans 419-421(3.95-3.96) Bgrd 412(3.91)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	914	74.00	11240	119.00	364	162.00	51
37.00	4071	75.00	38656	122.00	65	165.00	76
38.00	3909	76.00	3350	123.00	63	166.00	66
39.00	1496	77.00	524	124.00	68	171.00	54
44.00	321	78.00	215	128.00	283	172.00	53
45.00	845	79.00	1468	129.00	292	173.00	807
46.00	163	80.00	403	130.00	230	174.00	45872
47.00	1044	81.00	1399	131.00	51	175.00	3418
48.00	663	82.00	346	133.00	66	176.00	44104
49.00	4184	83.00	51	135.00	53	177.00	2838
50.00	17480	87.00	3297	137.00	292	178.00	129
51.00	5287	88.00	2905	139.00	50	188.00	59
52.00	157	91.00	305	141.00	539	191.00	88
55.00	256	92.00	1823	142.00	123	199.00	66
56.00	1173	93.00	2772	143.00	713	204.00	60
57.00	1858	94.00	8233	144.00	131	206.00	56
58.00	75	95.00	76776	145.00	104	214.00	54
60.00	667	96.00	5491	146.00	58	217.00	112
61.00	3211	97.00	223	147.00	56	219.00	60
62.00	3704	103.00	172	148.00	98	239.00	59
63.00	2504	104.00	271	149.00	123	241.00	58
64.00	269	106.00	327	150.00	67	244.00	58
67.00	38	107.00	54	152.00	68	253.00	52
68.00	6538	111.00	76	154.00	57	270.00	52
69.00	8023	115.00	127	155.00	52	274.00	54
70.00	659	116.00	337	156.00	50	279.00	55
72.00	233	117.00	433	159.00	137	292.00	54
73.00	3511	118.00	258	161.00	196		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15821.D
Lims ID: BFB Client ID:
Inject. Date: 19-Oct-2012 09:31:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0015869-001 =480-0015869-001
Operator: TF Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 24
Lims Batch ID: 86398 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G-8260.m
Last Update: 19-Oct-2012 09:43:28 Calib Date: 28-Sep-2012 21:56:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK001

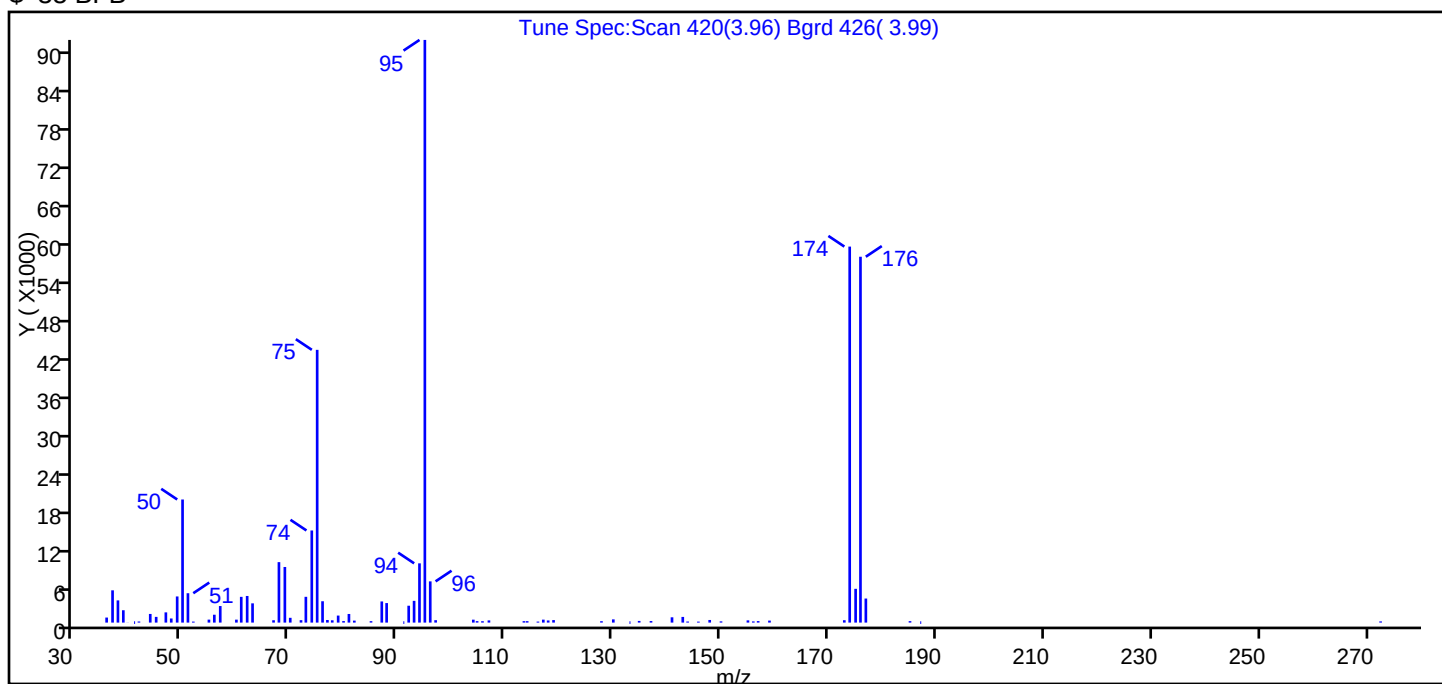
First Level Reviewer: fergusont

Date: 19-Oct-2012 09:43:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 35 BFB	95	3.949	3.949	0.0	0	137705	0	

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15821.D
Injection Date: 19-Oct-2012 09:31:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973G
Lims Batch ID: 86398 Lims Sample ID: 1
Operator ID: TF
Column Type: ZB-624 Column Dia: 0.25 mm
Tune Method: BFB Method 8260

\$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.13
75	30.00 - 60.00% of mass 95	46.81
96	5.00 - 9.00% of mass 95	7.07
173	Less than 2.00% of mass 174	0.41 (0.63)
174	Greater than 50.00% of mass 95	64.53
175	5.00 - 9.00% of mass 174	5.80 (8.98)
176	95.00 - 101.00% of mass 174	62.79 (97.30)
177	5.00 - 9.00% of mass 176	4.13 (6.58)

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15821.D\G-8260.rslt\spectra.d
Injection Date: 19-Oct-2012 09:31:30
Spectrum: Tune Spec:Scan 420(3.96) Bgrd 426(3.99)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 80

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.90	795	62.00	4196	91.00	0	134.80	264
37.00	5085	63.00	3034	92.00	2660	137.00	245
38.00	3501	66.90	369	93.00	3428	140.90	835
39.00	1947	67.90	9527	94.00	9338	142.90	894
39.80	18	69.00	8765	95.00	91824	143.80	170
41.00	0	70.00	755	96.00	6496	145.80	155
41.90	172	72.00	383	97.00	382	147.90	413
44.00	1363	72.90	4063	104.00	461	150.00	195
45.10	901	74.00	14517	104.70	232	155.00	352
46.90	1612	75.00	42984	105.70	218	156.00	186
47.90	648	76.00	3364	106.90	347	156.90	239
49.00	4120	76.90	407	113.40	228	159.00	316
50.00	19400	77.80	363	114.00	229	172.90	375
51.00	4629	78.90	1108	116.00	159	173.90	59256
52.00	158	79.90	240	117.00	464	175.00	5322
54.90	470	80.90	1359	117.90	338	175.90	57656
55.90	1241	81.90	313	118.90	396	176.90	3791
57.00	2610	85.00	230	127.80	221	185.10	232
60.00	466	87.00	3334	130.00	506	187.00	0
60.90	4057	87.90	3077	133.00	0	272.50	189

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-86338/5

Matrix: Water Lab File ID: G15797.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 10/18/2012 23:30

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.: 86338 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.: 480-26599-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-86338/5
 Matrix: Water Lab File ID: G15797.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/18/2012 23:30
 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.: 86338 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)	113		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	112		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15797.D
 Lims ID: MB Client ID:
 Inject. Date: 18-Oct-2012 23:30:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0015862-005 =480-0015862-005
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 54
 Lims Batch ID: 86338 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 18-Oct-2012 23:56:23 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK022

First Level Reviewer: larsonr

Date: 18-Oct-2012 23:56:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	95	809978	25.0	
* 2 Chlorobenzene-d5	82	8.632	8.626	0.006	87	408192	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	317318	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.346	0.006	0	172586	28.2	
\$ 5 Toluene-d8 (Surr)	98	7.145	7.144	0.001	95	998069	28.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.870	9.869	0.001	79	230023	22.7	
129 tert-amyl alcohol TIC	1		0.000					
10 Dichlorodifluoromethane	85		1.420					
11 Chlorodifluoromethane	51		1.469					
12 Chloromethane	50		1.609					9
13 Vinyl chloride	62		1.700					
14 Bromomethane	94		2.011					9
15 Chloroethane	64		2.121					
16 Dichlorofluoromethane	67		2.340					9
17 Trichlorofluoromethane	101		2.347					
18 Ethyl ether	59		2.651					
68 Propene oxide	58		2.731					9
19 Acrolein	56		2.810					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.853					
20 1,1-Dichloroethene	96		2.865					
22 Acetone	43		2.974					
23 Iodomethane	142		3.023					
24 Carbon disulfide	76		3.060					
25 Isopropyl alcohol	45		3.151					
26 3-Chloro-1-propene	41		3.237					9
27 Acetonitrile	40		3.267					
28 Methyl acetate	43		3.273					
29 Methylene Chloride	84	3.383	3.371	0.012	71	2583	0.2120	
30 2-Methyl-2-propanol	59		3.535					
31 Methyl tert-butyl ether	73		3.602					
32 trans-1,2-Dichloroethene	96		3.608					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
33 Acrylonitrile	53		3.639				9	
34 Hexane	57		3.828					
36 1,1-Dichloroethane	63		4.017					
37 Isopropyl ether	45		4.054				9	
38 Vinyl acetate	43		4.072					
39 2-Chloro-1,3-butadiene	53		4.090				9	
40 1,1-Dimethoxyethane	75		4.121					
41 Tert-butyl ethyl ether	59		4.395				9	
42 2,2-Dichloropropane	77		4.547				9	
43 cis-1,2-Dichloroethene	96		4.572					
44 2-Butanone (MEK)	43		4.602					
45 Ethyl acetate	43		4.645					
46 Propionitrile	54		4.694				9	
48 Chlorobromomethane	128		4.809					
47 Methacrylonitrile	41		4.810					
49 Tetrahydrofuran	42		4.840				9	
50 Chloroform	85		4.883				9	
51 1,1,1-Trichloroethane	97		5.011					
52 Cyclohexane	56		5.029					
53 Carbon tetrachloride	117		5.157					
54 1,1-Dichloropropene	75		5.163				9	
55 Isobutyl alcohol	43		5.352					
56 Benzene	78		5.364					
57 1,2-Dichloroethane	62		5.419				9	
58 Tert-amyl methyl ether	73		5.450					
59 n-Heptane	43		5.559					
61 Trichloroethene	95		5.974				9	
60 n-Butanol	56		5.974					
62 Methylcyclohexane	83		6.108				9	
63 1,2-Dichloropropane	63		6.206				9	
64 Methyl methacrylate	41		6.303					
65 Dibromomethane	93		6.340					
66 1,4-Dioxane	88		6.352				9	
67 Dichlorobromomethane	83		6.492					
69 2-Nitropropane	43		6.724					
70 2-Chloroethyl vinyl ether	63		6.766				9	
71 Epichlorohydrin	57		6.852					
72 cis-1,3-Dichloropropene	75		6.913					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					
74 Toluene	92		7.211					
75 2-Methylthiophene	97		7.346					
76 trans-1,3-Dichloropropene	75		7.474					
77 3-Methylthiophene	97		7.510					
78 Ethyl methacrylate	69		7.522					
79 1,1,2-Trichloroethane	83		7.663					
80 Tetrachloroethene	166		7.754					
81 1,3-Dichloropropane	76		7.827					
82 2-Hexanone	43		7.888				9	
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.175					
85 3-Chlorobenzotrifluoride	180		8.620				9	
86 Chlorobenzene	112		8.656				9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 4-Chlorobenzotrifluoride	180		8.687				9	
88 1,1,1,2-Tetrachloroethane	131		8.754					
89 Ethylbenzene	91		8.754					
90 m-Xylene & p-Xylene	106		8.876				9	
91 o-Xylene	106		9.302				9	
92 Styrene	104		9.327					
93 Bromoform	173		9.565					
94 2-Chlorobenzotrifluoride	180		9.595					
95 Isopropylbenzene	105		9.680				9	
96 Cyclohexanone	55		9.827				9	
97 Bromobenzene	156		10.022					
98 1,1,2,2-Tetrachloroethane	83		10.052				9	
99 1,2,3-Trichloropropane	110		10.089					
101 N-Propylbenzene	91		10.101				9	
100 trans-1,4-Dichloro-2-butene	53		10.101					
102 2-Chlorotoluene	126		10.205					
103 3-Chlorotoluene	126		10.266					
104 1,3,5-Trimethylbenzene	105		10.278				9	
105 4-Chlorotoluene	126		10.314					
106 tert-Butylbenzene	134		10.589					
107 1,2,4-Trimethylbenzene	105		10.644				9	
108 Pentachloroethane	167		10.644					
109 sec-Butylbenzene	105		10.802					
110 1,3-Dichlorobenzene	146		10.930				9	
111 4-Isopropyltoluene	119		10.936				9	
112 Dicyclopentadiene	66		11.010					
113 1,4-Dichlorobenzene	146		11.016				9	
114 1,2,3-Trimethylbenzene	105		11.046					
115 n-Butylbenzene	91		11.320				9	
116 1,2-Dichlorobenzene	146		11.369				9	
117 1,2-Dibromo-3-Chloropropane	75		12.082					
118 1,3,5-Trichlorobenzene	180		12.235				9	
119 1,2,4-Trichlorobenzene	180		12.771				9	
120 Hexachlorobutadiene	225		12.887				9	
121 Naphthalene	128		12.979				9	
122 1,2,3-Trichlorobenzene	180		13.186				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 131 bis(chloromethyl)ether TIC	1		0.000				1	
T 130 Aziridine TIC	1		0.000				1	
T 133 1-Bromopropane	1		0.000				1	
T 132 Bromoethane TIC	1		0.000				1	
T 128 Hexachloroethane TIC	1		0.000				1	
T 8 bis(2-chloromethyl)ether TIC	1		0.000				1	
T 7 t-Amyl alcohol	59		0.000				1	
T 127 Ethanol TIC	45		0.000				1	
T 9 Ethylene oxide	1		0.000				1	

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

Report Date: 18-Oct-2012 23:56:23

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15797.D

Injection Date: 18-Oct-2012 23:30:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973G

Lims Batch ID: 86338

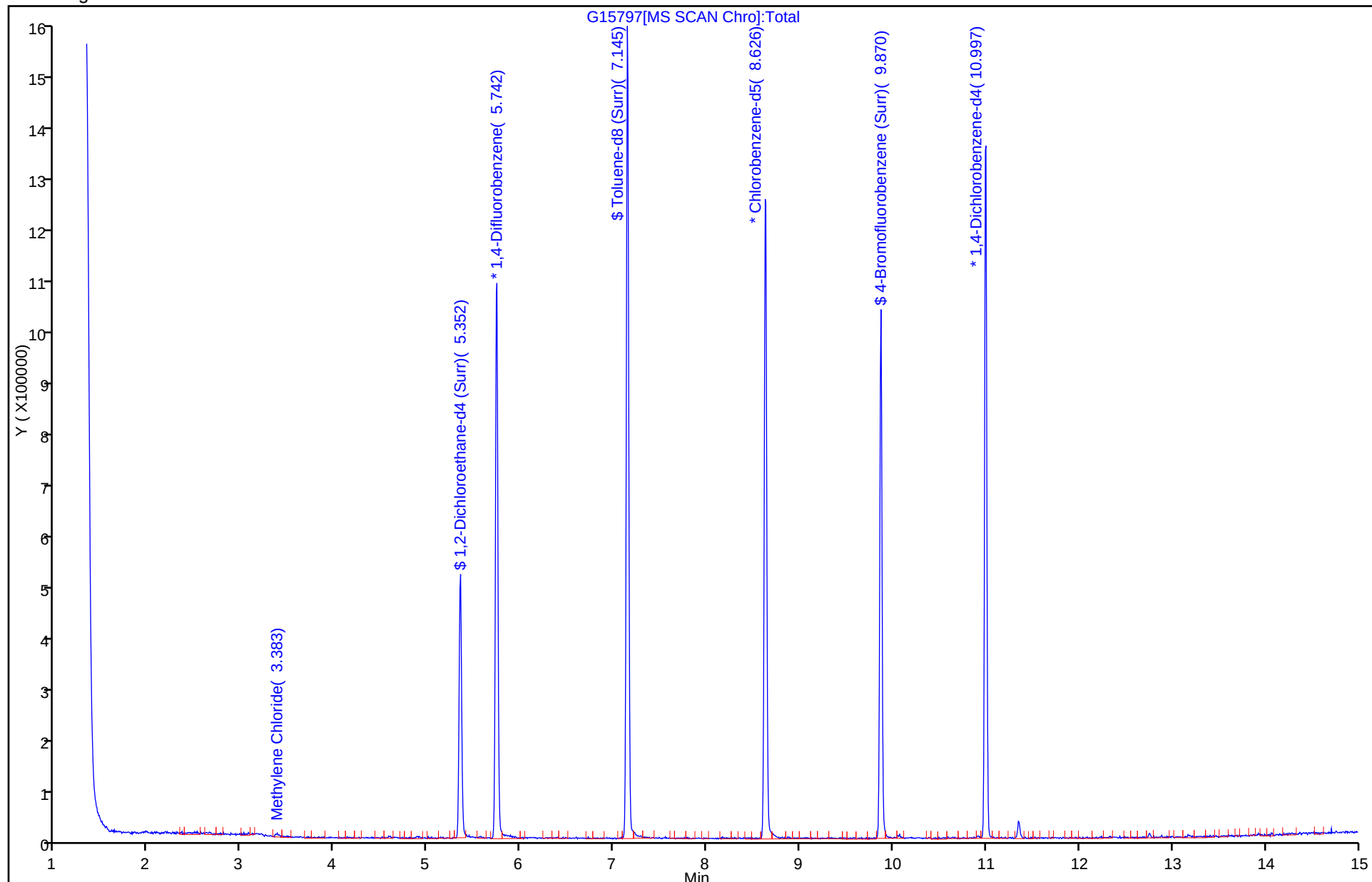
Lims Sample ID: 5

Operator ID: RAL

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.: 480-26599-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-86398/5
 Matrix: Water Lab File ID: G15829.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 13:16
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 86398 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.: 480-26599-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-86398/5
 Matrix: Water Lab File ID: G15829.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 13:16
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 86398 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)	114		66-137
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
2037-26-5	Toluene-d8 (Surr)	110		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15829.D
 Lims ID: MB Client ID:
 Inject. Date: 19-Oct-2012 13:16:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0015869-005 =480-0015869-005
 Operator: TF Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 32
 Lims Batch ID: 86398 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G-8260.m
 Last Update: 19-Oct-2012 17:54:06 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK022

First Level Reviewer: larsonr

Date: 19-Oct-2012 17:52:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.742	-0.006	96	824418	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	87	415981	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	337381	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.352	-0.006	0	177054	28.4	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.145	0.0	94	1001520	27.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.870	-0.001	79	249847	24.2	
129 tert-amyl alcohol TIC	1		0.000					
10 Dichlorodifluoromethane	85		1.432					
11 Chlorodifluoromethane	51		1.469					
12 Chloromethane	50		1.615					
13 Vinyl chloride	62		1.712					
14 Bromomethane	94		2.042					9
15 Chloroethane	64		2.127					
16 Dichlorofluoromethane	67		2.347					9
17 Trichlorofluoromethane	101		2.353					
18 Ethyl ether	59		2.658					9
68 Propene oxide	58		2.737					
19 Acrolein	56		2.816					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.859					
20 1,1-Dichloroethene	96		2.865					
22 Acetone	43		2.974					
23 Iodomethane	142		3.029					
24 Carbon disulfide	76		3.072					
25 Isopropyl alcohol	45		3.157					
26 3-Chloro-1-propene	41		3.243					
27 Acetonitrile	40		3.273					
28 Methyl acetate	43		3.279					9
29 Methylene Chloride	84	3.377	3.377	0.0	73	3141	0.2533	
30 2-Methyl-2-propanol	59		3.542					9
31 Methyl tert-butyl ether	73		3.608					
32 trans-1,2-Dichloroethene	96		3.614					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
33 Acrylonitrile	53		3.645					
34 Hexane	57		3.828					
36 1,1-Dichloroethane	63		4.023					
37 Isopropyl ether	45		4.060					
38 Vinyl acetate	43		4.078					
39 2-Chloro-1,3-butadiene	53		4.096					
40 1,1-Dimethoxyethane	75		4.127					
41 Tert-butyl ethyl ether	59		4.395					
42 2,2-Dichloropropane	77		4.553					
43 cis-1,2-Dichloroethene	96		4.578					
44 2-Butanone (MEK)	43		4.608					
45 Ethyl acetate	43		4.651					
46 Propionitrile	54		4.694					
48 Chlorobromomethane	128		4.809					
47 Methacrylonitrile	41		4.816					
49 Tetrahydrofuran	42		4.840				9	
50 Chloroform	85		4.883					
51 1,1,1-Trichloroethane	97		5.017					
52 Cyclohexane	56		5.035				9	
53 Carbon tetrachloride	117		5.157					
54 1,1-Dichloropropene	75		5.163					
55 Isobutyl alcohol	43		5.358				9	
56 Benzene	78		5.364				9	
57 1,2-Dichloroethane	62		5.419				9	
58 Tert-amyl methyl ether	73		5.456					
59 n-Heptane	43		5.566					
61 Trichloroethene	95		5.974					
60 n-Butanol	56		5.974				9	
62 Methylcyclohexane	83		6.114				9	
63 1,2-Dichloropropane	63		6.205				9	
64 Methyl methacrylate	41		6.309				9	
65 Dibromomethane	93		6.340					
66 1,4-Dioxane	88		6.352					
67 Dichlorobromomethane	83		6.492					
69 2-Nitropropane	43		6.730					
70 2-Chloroethyl vinyl ether	63		6.766					
71 Epichlorohydrin	57		6.852					
72 cis-1,3-Dichloropropene	75		6.913				9	
73 4-Methyl-2-pentanone (MIBK)	43		7.053					
74 Toluene	92		7.211					
75 2-Methylthiophene	97		7.346					
76 trans-1,3-Dichloropropene	75		7.473					
77 3-Methylthiophene	97		7.510					
78 Ethyl methacrylate	69		7.528				9	
79 1,1,2-Trichloroethane	83		7.662				9	
80 Tetrachloroethene	166		7.754					
81 1,3-Dichloropropane	76		7.821					
82 2-Hexanone	43		7.888				9	
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.168					
85 3-Chlorobenzotrifluoride	180		8.620				9	
86 Chlorobenzene	112		8.656				9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 4-Chlorobenzotrifluoride	180		8.681				9	
89 Ethylbenzene	91		8.754					
88 1,1,1,2-Tetrachloroethane	131		8.754					
90 m-Xylene & p-Xylene	106		8.876					
91 o-Xylene	106		9.302					
92 Styrene	104		9.327					
93 Bromoform	173		9.565					
94 2-Chlorobenzotrifluoride	180		9.595					
95 Isopropylbenzene	105		9.680				9	
96 Cyclohexanone	55		9.827					
97 Bromobenzene	156		10.016					
98 1,1,2,2-Tetrachloroethane	83		10.052					
99 1,2,3-Trichloropropane	110		10.089				9	
100 trans-1,4-Dichloro-2-butene	53		10.101				9	
101 N-Propylbenzene	91		10.101					
102 2-Chlorotoluene	126		10.205					
103 3-Chlorotoluene	126		10.266					
104 1,3,5-Trimethylbenzene	105		10.278					
105 4-Chlorotoluene	126		10.314					
106 tert-Butylbenzene	134		10.589					
107 1,2,4-Trimethylbenzene	105		10.644					
108 Pentachloroethane	167		10.644					
109 sec-Butylbenzene	105		10.802					
110 1,3-Dichlorobenzene	146		10.930					
111 4-Isopropyltoluene	119		10.936					
112 Dicyclopentadiene	66		11.010					
113 1,4-Dichlorobenzene	146		11.022				9	
114 1,2,3-Trimethylbenzene	105		11.046					
115 n-Butylbenzene	91		11.320					
116 1,2-Dichlorobenzene	146		11.369					
117 1,2-Dibromo-3-Chloropropane	75		12.088					
118 1,3,5-Trichlorobenzene	180		12.235				9	
119 1,2,4-Trichlorobenzene	180		12.771					
120 Hexachlorobutadiene	225		12.887					
121 Naphthalene	128		12.979				9	
122 1,2,3-Trichlorobenzene	180		13.186					
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 7 t-Amyl alcohol	59		0.000				1	
T 8 bis(2-chloromethyl)ether TIC	1		0.000				1	
T 9 Ethylene oxide	1		0.000				1	
T 127 Ethanol TIC	45		0.000				1	
T 128 Hexachloroethane TIC	1		0.000				1	
T 130 Aziridine TIC	1		0.000				1	
T 131 bis(chloromethyl)ether TIC	1		0.000				1	
T 132 Bromoethane TIC	1		0.000				1	
T 133 1-Bromopropane	1		0.000				1	

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 17:54:06

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15829.D

Injection Date: 19-Oct-2012 13:16:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973G

Lims Batch ID: 86398

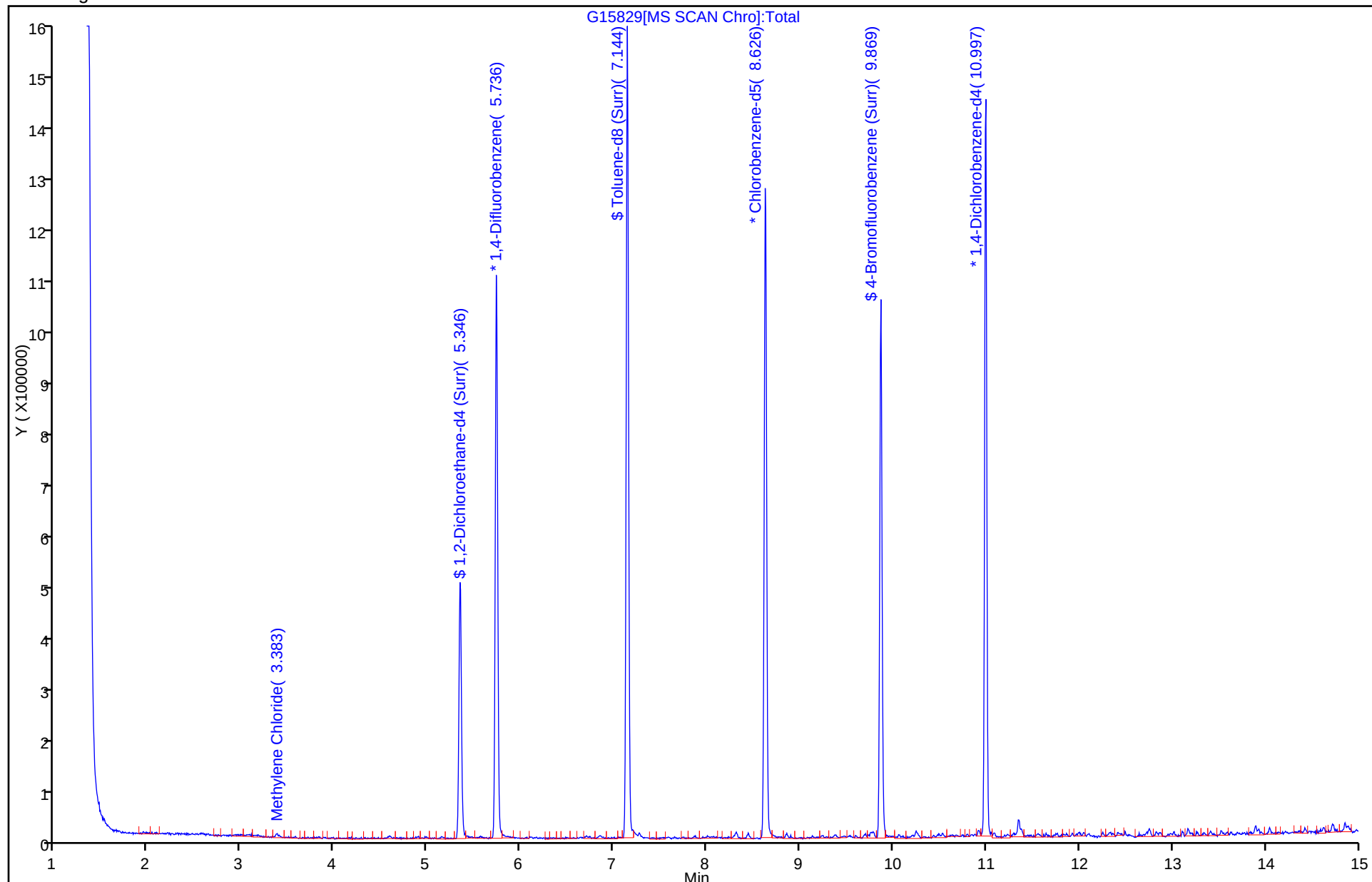
Lims Sample ID: 5

Operator ID: TF

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.: 480-26599-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-86338/4
 Matrix: Water Lab File ID: G15796.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/18/2012 23:07
 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.: 86338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	26.1		1.0	0.38
75-35-4	1,1-Dichloroethene	21.2		1.0	0.29
95-50-1	1,2-Dichlorobenzene	26.1		1.0	0.79
107-06-2	1,2-Dichloroethane	26.7		1.0	0.21
71-43-2	Benzene	27.1		1.0	0.41
108-90-7	Chlorobenzene	26.0		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	25.7		1.0	0.81
100-41-4	Ethylbenzene	27.0		1.0	0.74
1634-04-4	Methyl tert-butyl ether	23.6		1.0	0.16
127-18-4	Tetrachloroethene	25.0		1.0	0.36
108-88-3	Toluene	26.1		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.8		1.0	0.90
79-01-6	Trichloroethene	26.2		1.0	0.46
1330-20-7	Xylenes, Total	78.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	110		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15796.D
 Lims ID: LCS Client ID:
 Inject. Date: 18-Oct-2012 23:07:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0015862-004 =480-0015862-004
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 53
 Lims Batch ID: 86338 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 18-Oct-2012 23:32:24 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK022

First Level Reviewer: larsonr

Date: 18-Oct-2012 23:32:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	95	822114	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	414824	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	336364	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	179477	28.8	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.144	0.0	94	992212	27.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.869	0.0	78	237804	23.1	
20 1,1-Dichloroethene	96	2.877	2.865	0.012	85	160940	21.2	
31 Methyl tert-butyl ether	73	3.608	3.602	0.006	93	842887	23.6	
32 trans-1,2-Dichloroethene	96	3.621	3.608	0.013	92	245422	23.8	
36 1,1-Dichloroethane	63	4.029	4.017	0.012	85	451687	26.1	
43 cis-1,2-Dichloroethene	96	4.578	4.572	0.006	72	261477	25.7	
56 Benzene	78	5.370	5.364	0.006	98	1055079	27.1	
57 1,2-Dichloroethane	62	5.419	5.419	0.0	88	418759	26.7	
61 Trichloroethene	95	5.980	5.974	0.006	93	256550	26.2	
74 Toluene	92	7.211	7.211	0.0	98	673976	26.1	
80 Tetrachloroethene	166	7.754	7.754	0.0	86	229121	25.0	
86 Chlorobenzene	112	8.656	8.656	0.0	92	745521	26.0	
89 Ethylbenzene	91	8.754	8.754	0.0	99	1303824	27.0	
90 m-Xylene & p-Xylene	106	8.876	8.876	0.0	98	932794	52.7	
91 o-Xylene	106	9.302	9.302	0.0	99	451319	25.6	
107 1,2,4-Trimethylbenzene	105	10.644	10.644	0.0	98	1027626	28.0	
116 1,2-Dichlorobenzene	146	11.369	11.369	0.0	93	542109	26.1	
S 125 1,2-Dichloroethene, Total	1				0		49.5	
S 124 Xylenes, Total	1				0		78.3	

Report Date: 18-Oct-2012 23:32:24

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15796.D

Injection Date: 18-Oct-2012 23:07:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973G

Lims Batch ID: 86338

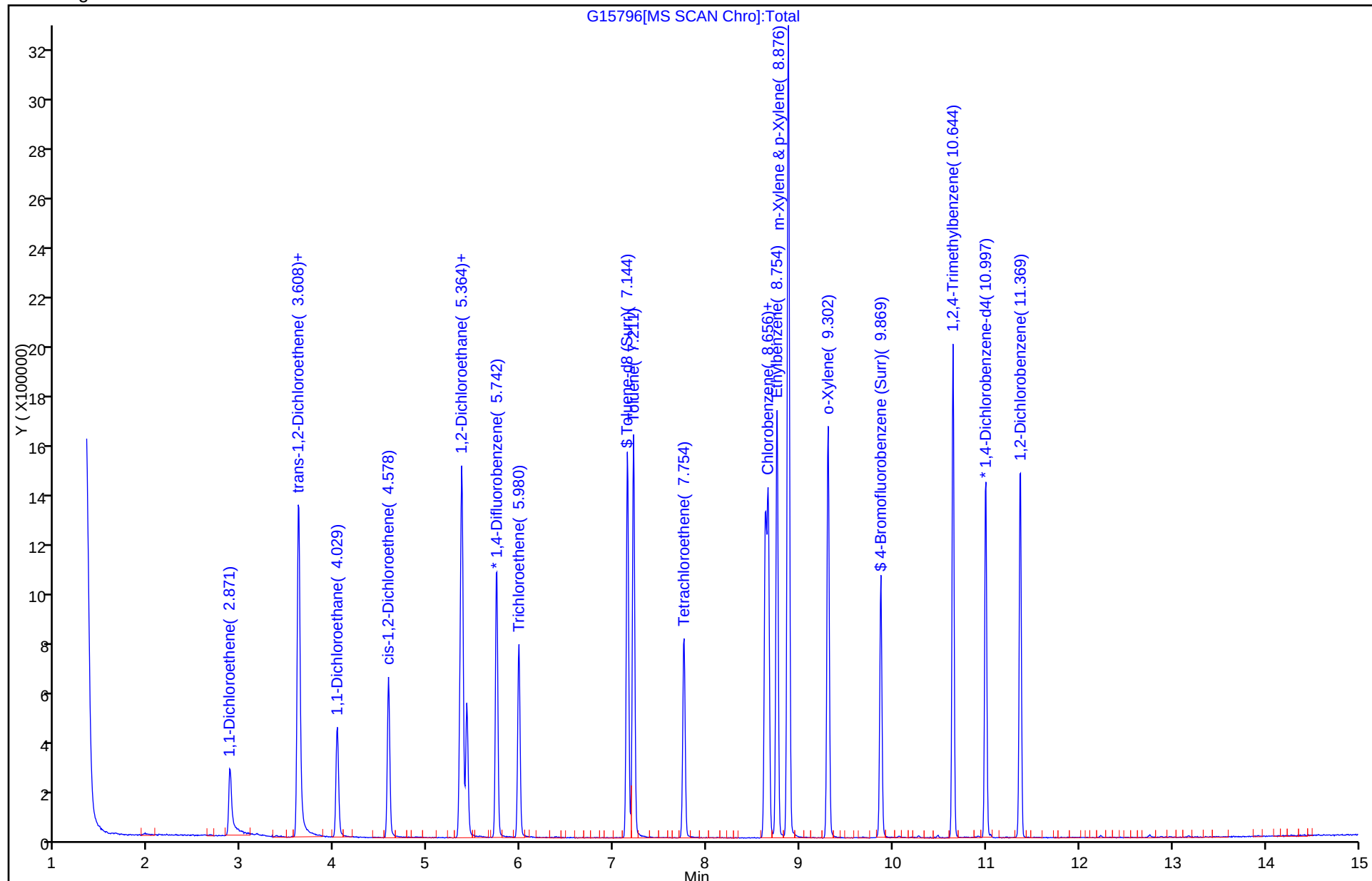
Lims Sample ID: 4

Operator ID: RAL

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.: 480-26599-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-86398/4

Matrix: Water Lab File ID: G15825.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 11:17

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 86398 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	25.4		1.0	0.38
75-35-4	1,1-Dichloroethene	17.5		1.0	0.29
95-50-1	1,2-Dichlorobenzene	25.1		1.0	0.79
107-06-2	1,2-Dichloroethane	26.4		1.0	0.21
71-43-2	Benzene	25.9		1.0	0.41
108-90-7	Chlorobenzene	25.1		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	25.8		1.0	0.81
100-41-4	Ethylbenzene	26.0		1.0	0.74
1634-04-4	Methyl tert-butyl ether	23.8		1.0	0.16
127-18-4	Tetrachloroethene	24.4		1.0	0.36
108-88-3	Toluene	25.4		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	22.9		1.0	0.90
79-01-6	Trichloroethene	24.9		1.0	0.46
1330-20-7	Xylenes, Total	76.5		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		66-137
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
2037-26-5	Toluene-d8 (Surr)	112		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15825.D
 Lims ID: LCS Client ID:
 Inject. Date: 19-Oct-2012 11:17:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0015869-004 =480-0015869-004
 Operator: TF Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 28
 Lims Batch ID: 86398 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G-8260.m
 Last Update: 19-Oct-2012 18:22:43 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK022

First Level Reviewer: fergusont

Date: 19-Oct-2012 11:42:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.742	0.0	96	809749	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	406318	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	340426	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.352	0.0	0	170624	27.9	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.145	0.0	94	990611	27.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.870	-0.001	79	243432	24.1	
20 1,1-Dichloroethene	96	2.877	2.865	0.012	84	131189	17.5	
31 Methyl tert-butyl ether	73	3.609	3.608	0.001	93	835108	23.8	
32 trans-1,2-Dichloroethene	96	3.621	3.614	0.007	91	232300	22.9	
36 1,1-Dichloroethane	63	4.029	4.023	0.006	85	432302	25.4	
43 cis-1,2-Dichloroethene	96	4.578	4.578	0.0	71	259199	25.8	
56 Benzene	78	5.370	5.364	0.006	98	992022	25.9	
57 1,2-Dichloroethane	62	5.419	5.419	0.0	88	408648	26.4	
61 Trichloroethene	95	5.980	5.974	0.006	93	240884	24.9	
74 Toluene	92	7.211	7.211	0.0	98	642082	25.4	
80 Tetrachloroethene	166	7.754	7.754	0.0	89	219631	24.4	
86 Chlorobenzene	112	8.656	8.656	0.0	91	705460	25.1	
89 Ethylbenzene	91	8.754	8.754	0.0	99	1229421	26.0	
90 m-Xylene & p-Xylene	106	8.876	8.876	0.0	99	891953	51.4	
91 o-Xylene	106	9.303	9.302	0.001	99	433067	25.1	
107 1,2,4-Trimethylbenzene	105	10.644	10.644	0.0	98	984295	26.5	
116 1,2-Dichlorobenzene	146	11.369	11.369	0.0	94	527820	25.1	
S 124 Xylenes, Total	1				0		76.5	
S 125 1,2-Dichloroethene, Total	1				0		48.7	

Report Date: 19-Oct-2012 18:22:43

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121019-15869.b\G15825.D

Injection Date: 19-Oct-2012 11:17:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973G

Lims Batch ID: 86398

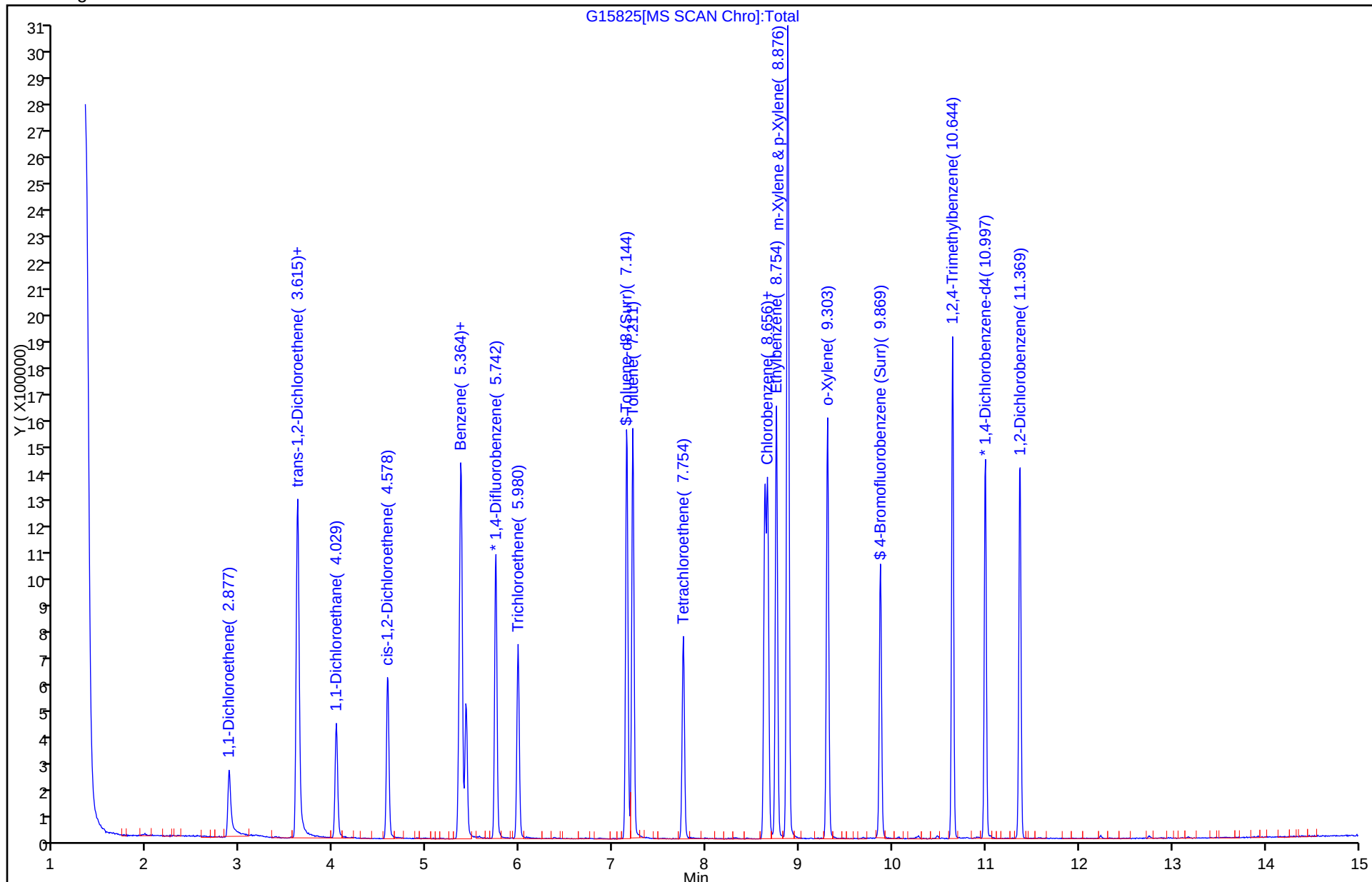
Lims Sample ID: 4

Operator ID: TF

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.: 480-26599-1

SDG No.: _____

Client Sample ID: Duplicate MS Lab Sample ID: 480-26599-9 MS

Matrix: Water Lab File ID: G15818.D

Analysis Method: 8260B Date Collected: 10/12/2012 07:00

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 07:38

Soil Aliquot Vol: _____ Dilution Factor: 800

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

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

Analysis Batch No.: 86338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		800	660
79-34-5	1,1,2,2-Tetrachloroethane	ND		800	170
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		800	250
79-00-5	1,1,2-Trichloroethane	ND		800	180
75-34-3	1,1-Dichloroethane	21200		800	300
75-35-4	1,1-Dichloroethene	16900		800	230
120-82-1	1,2,4-Trichlorobenzene	ND		800	330
96-12-8	1,2-Dibromo-3-Chloropropane	ND		800	310
106-93-4	1,2-Dibromoethane	ND		800	580
95-50-1	1,2-Dichlorobenzene	20500		800	630
107-06-2	1,2-Dichloroethane	20600		800	170
78-87-5	1,2-Dichloropropane	ND		800	580
541-73-1	1,3-Dichlorobenzene	ND		800	620
106-46-7	1,4-Dichlorobenzene	ND		800	670
78-93-3	2-Butanone (MEK)	ND		8000	1100
591-78-6	2-Hexanone	ND		4000	990
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		4000	1700
67-64-1	Acetone	ND		8000	2400
71-43-2	Benzene	21500		800	330
75-27-4	Bromodichloromethane	ND		800	310
75-25-2	Bromoform	ND		800	210
74-83-9	Bromomethane	ND		800	550
75-15-0	Carbon disulfide	ND		800	150
56-23-5	Carbon tetrachloride	ND		800	220
108-90-7	Chlorobenzene	20500		800	600
75-00-3	Chloroethane	ND		800	260
67-66-3	Chloroform	ND		800	270
74-87-3	Chloromethane	ND		800	280
156-59-2	cis-1,2-Dichloroethene	64000		800	650
10061-01-5	cis-1,3-Dichloropropene	ND		800	290
110-82-7	Cyclohexane	ND		800	140
124-48-1	Dibromochloromethane	ND		800	260
75-71-8	Dichlorodifluoromethane	ND		800	540
100-41-4	Ethylbenzene	21300		800	590
98-82-8	Isopropylbenzene	ND		800	630

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1
 SDG No.: _____
 Client Sample ID: Duplicate MS Lab Sample ID: 480-26599-9 MS
 Matrix: Water Lab File ID: G15818.D
 Analysis Method: 8260B Date Collected: 10/12/2012 07:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 07:38
 Soil Aliquot Vol: _____ Dilution Factor: 800
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 86338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		800	400
1634-04-4	Methyl tert-butyl ether	19200		800	130
108-87-2	Methylcyclohexane	ND		800	130
75-09-2	Methylene Chloride	ND		800	350
100-42-5	Styrene	ND		800	580
127-18-4	Tetrachloroethene	20100		800	290
108-88-3	Toluene	20700		800	410
156-60-5	trans-1,2-Dichloroethene	18600		800	720
10061-02-6	trans-1,3-Dichloropropene	ND		800	300
79-01-6	Trichloroethene	99700		800	370
75-69-4	Trichlorofluoromethane	ND		800	700
75-01-4	Vinyl chloride	2080		800	720
1330-20-7	Xylenes, Total	62300		1600	530

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		66-137
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	109		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15818.D
 Lims ID: 480-26599-A-9 MS Client ID:
 Inject. Date: 19-Oct-2012 07:38:30 Dil. Factor: 800.0000
 Sample Type: MS
 Sample ID: 480-26599-A-9 MS
 Misc. Info.: 480-0015862-029 =480-0015862-029
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 21
 Lims Batch ID: 86338 Lims Sample ID: 29
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 19-Oct-2012 13:09:25 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 19-Oct-2012 13:09:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	95	838325	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	424632	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	97	353267	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.346	0.006	0	167583	26.4	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.144	0.0	94	1009916	27.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.869	0.0	81	252927	24.0	
10 Dichlorodifluoromethane	85		1.420					
12 Chloromethane	50		1.609					
13 Vinyl chloride	62	1.712	1.700	0.012	77	30525	2.60	
14 Bromomethane	94		2.011					9
15 Chloroethane	64		2.121					
17 Trichlorofluoromethane	101		2.347					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.853					
20 1,1-Dichloroethene	96	2.877	2.865	0.012	87	163588	21.1	
22 Acetone	43		2.974					
24 Carbon disulfide	76		3.060					
28 Methyl acetate	43		3.273					
29 Methylene Chloride	84		3.371					
31 Methyl tert-butyl ether	73	3.608	3.602	0.006	93	870967	24.0	
32 trans-1,2-Dichloroethene	96	3.621	3.608	0.013	92	244681	23.3	
36 1,1-Dichloroethane	63	4.029	4.017	0.012	85	465839	26.4	
43 cis-1,2-Dichloroethene	96	4.578	4.572	0.006	71	831761	80.0	
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					9
52 Cyclohexane	56		5.029					
53 Carbon tetrachloride	117		5.157					
56 Benzene	78	5.370	5.364	0.006	98	1064098	26.8	
57 1,2-Dichloroethane	62	5.419	5.419	0.0	88	412431	25.8	
61 Trichloroethene	95	5.980	5.974	0.006	93	1246525	124.6	E
62 Methylcyclohexane	83		6.108					2

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.206					9
67 Dichlorobromomethane	83		6.492					
72 cis-1,3-Dichloropropene	75		6.913					9
73 4-Methyl-2-pentanone (MIBK)	43		7.047					
74 Toluene	92	7.211	7.211	0.0	98	682054	25.8	
76 trans-1,3-Dichloropropene	75		7.474					9
79 1,1,2-Trichloroethane	83		7.663					
80 Tetrachloroethene	166	7.754	7.754	0.0	89	236214	25.2	
82 2-Hexanone	43		7.888					
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.175					9
86 Chlorobenzene	112	8.656	8.656	0.0	92	752365	25.6	
89 Ethylbenzene	91	8.754	8.754	0.0	99	1318847	26.7	
90 m-Xylene & p-Xylene	106	8.876	8.876	0.0	99	956234	52.7	
91 o-Xylene	106	9.302	9.302	0.0	99	452806	25.1	
92 Styrene	104		9.327					
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680					
98 1,1,2,2-Tetrachloroethane	83		10.052					9
110 1,3-Dichlorobenzene	146		10.930					9
113 1,4-Dichlorobenzene	146		11.016					9
116 1,2-Dichlorobenzene	146	11.369	11.369	0.0	94	557609	25.6	
117 1,2-Dibromo-3-Chloropropane	75		12.082					
119 1,2,4-Trichlorobenzene	180		12.771					9
S 124 Xylenes, Total	1				0		77.8	

QC Flag Legend

Processing Flags

2 - Failed Coelution Test

E - Exceeded Maximum Amount

9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 13:09:25

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15818.D

Injection Date: 19-Oct-2012 07:38:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973G

Lims Batch ID: 86338

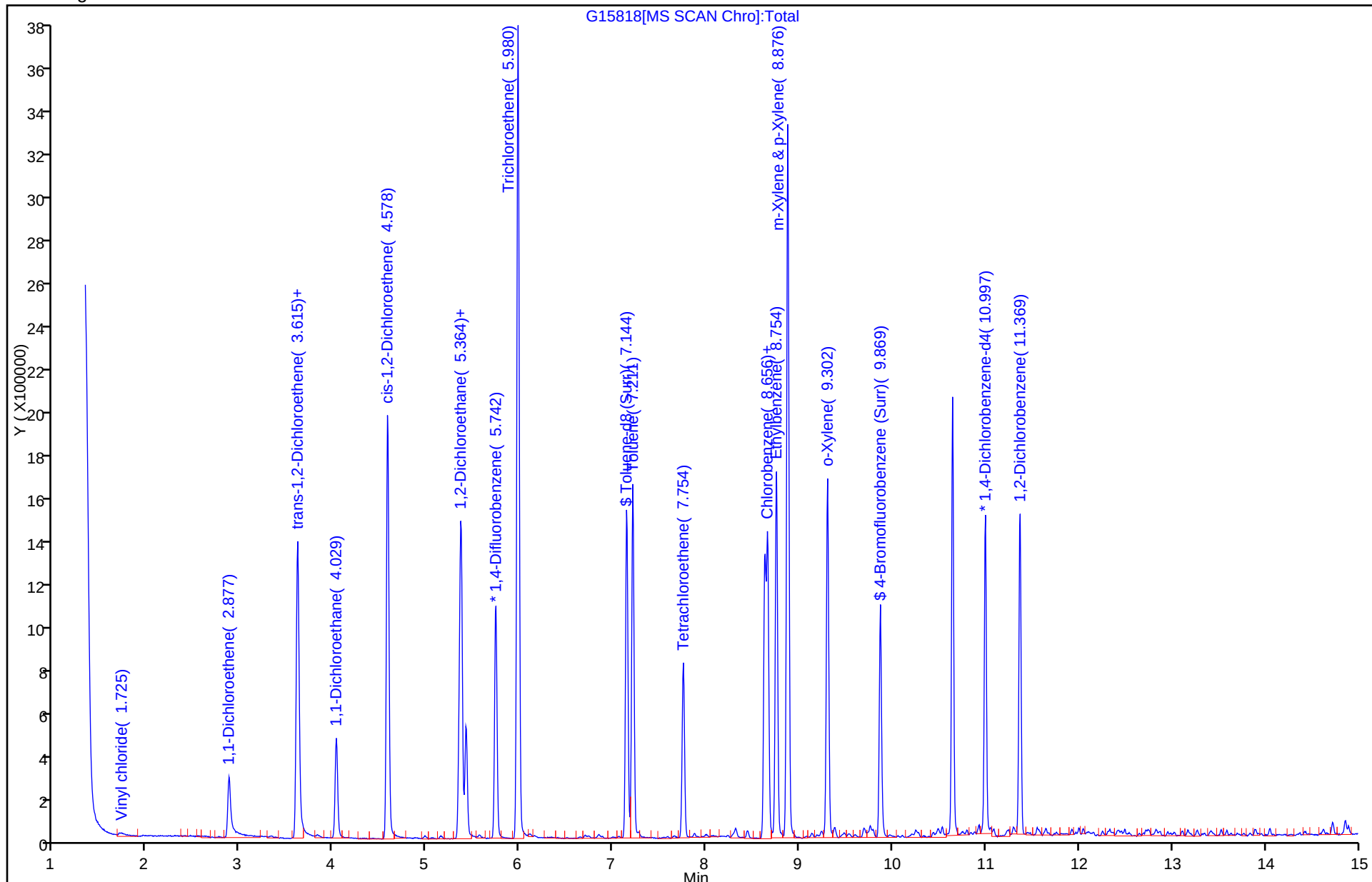
Lims Sample ID: 29

Operator ID: RAL

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.: 480-26599-1

SDG No.: _____

Client Sample ID: Duplicate MSD Lab Sample ID: 480-26599-9 MSD

Matrix: Water Lab File ID: G15819.D

Analysis Method: 8260B Date Collected: 10/12/2012 07:00

Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 08:01

Soil Aliquot Vol: _____ Dilution Factor: 800

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

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

Analysis Batch No.: 86338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		800	660
79-34-5	1,1,2,2-Tetrachloroethane	ND		800	170
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		800	250
79-00-5	1,1,2-Trichloroethane	ND		800	180
75-34-3	1,1-Dichloroethane	20600		800	300
75-35-4	1,1-Dichloroethene	16900		800	230
120-82-1	1,2,4-Trichlorobenzene	ND		800	330
96-12-8	1,2-Dibromo-3-Chloropropane	ND		800	310
106-93-4	1,2-Dibromoethane	ND		800	580
95-50-1	1,2-Dichlorobenzene	20600		800	630
107-06-2	1,2-Dichloroethane	20200		800	170
78-87-5	1,2-Dichloropropane	ND		800	580
541-73-1	1,3-Dichlorobenzene	ND		800	620
106-46-7	1,4-Dichlorobenzene	ND		800	670
78-93-3	2-Butanone (MEK)	ND		8000	1100
591-78-6	2-Hexanone	ND		4000	990
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		4000	1700
67-64-1	Acetone	ND		8000	2400
71-43-2	Benzene	20800		800	330
75-27-4	Bromodichloromethane	ND		800	310
75-25-2	Bromoform	ND		800	210
74-83-9	Bromomethane	ND		800	550
75-15-0	Carbon disulfide	ND		800	150
56-23-5	Carbon tetrachloride	ND		800	220
108-90-7	Chlorobenzene	20300		800	600
75-00-3	Chloroethane	ND		800	260
67-66-3	Chloroform	ND		800	270
74-87-3	Chloromethane	ND		800	280
156-59-2	cis-1,2-Dichloroethene	62800		800	650
10061-01-5	cis-1,3-Dichloropropene	ND		800	290
110-82-7	Cyclohexane	ND		800	140
124-48-1	Dibromochloromethane	ND		800	260
75-71-8	Dichlorodifluoromethane	ND		800	540
100-41-4	Ethylbenzene	20600		800	590
98-82-8	Isopropylbenzene	ND		800	630

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1
 SDG No.: _____
 Client Sample ID: Duplicate MSD Lab Sample ID: 480-26599-9 MSD
 Matrix: Water Lab File ID: G15819.D
 Analysis Method: 8260B Date Collected: 10/12/2012 07:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/19/2012 08:01
 Soil Aliquot Vol: _____ Dilution Factor: 800
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 86338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		800	400
1634-04-4	Methyl tert-butyl ether	19100		800	130
108-87-2	Methylcyclohexane	ND		800	130
75-09-2	Methylene Chloride	ND		800	350
100-42-5	Styrene	ND		800	580
127-18-4	Tetrachloroethene	19700		800	290
108-88-3	Toluene	20200		800	410
156-60-5	trans-1,2-Dichloroethene	18300		800	720
10061-02-6	trans-1,3-Dichloropropene	ND		800	300
79-01-6	Trichloroethene	98300		800	370
75-69-4	Trichlorofluoromethane	ND		800	700
75-01-4	Vinyl chloride	1900		800	720
1330-20-7	Xylenes, Total	60500		1600	530

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		66-137
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	109		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15819.D
 Lims ID: 480-26599-A-9 MSD Client ID:
 Inject. Date: 19-Oct-2012 08:01:30 Dil. Factor: 800.0000
 Sample Type: MSD
 Sample ID: 480-26599-A-9 MSD
 Misc. Info.: 480-0015862-030 =480-0015862-030
 Operator: RAL Instrument ID: HP5973G
 Vol. Injected: 1.0000 ALS Bottle#: 22
 Lims Batch ID: 86338 Lims Sample ID: 30
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G-8260.m
 Last Update: 19-Oct-2012 13:10:09 Calib Date: 28-Sep-2012 21:56:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973G\20120928-15247.b\G14992.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: XAWRK001

First Level Reviewer: fergusont

Date: 19-Oct-2012 13:10:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.742	5.736	0.006	96	818876	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	414929	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.997	0.0	98	343857	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.346	0.006	0	167929	27.1	
\$ 5 Toluene-d8 (Surr)	98	7.144	7.144	0.0	94	984923	27.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.869	0.0	81	254752	24.7	
10 Dichlorodifluoromethane	85		1.420					
12 Chloromethane	50		1.609					9
13 Vinyl chloride	62	1.712	1.700	0.012	71	27303	2.38	
14 Bromomethane	94		2.011					9
15 Chloroethane	64		2.121					9
17 Trichlorofluoromethane	101		2.347					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.853					
20 1,1-Dichloroethene	96	2.877	2.865	0.012	85	160294	21.2	
22 Acetone	43		2.974					
24 Carbon disulfide	76		3.060					
28 Methyl acetate	43		3.273					
29 Methylene Chloride	84	3.377	3.371	0.006	51	2432	0.1974	
31 Methyl tert-butyl ether	73	3.608	3.602	0.006	94	848409	23.9	
32 trans-1,2-Dichloroethene	96	3.615	3.608	0.007	91	235015	22.9	
36 1,1-Dichloroethane	63	4.029	4.017	0.012	85	443831	25.8	
43 cis-1,2-Dichloroethene	96	4.578	4.572	0.006	71	797374	78.6	
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					9
52 Cyclohexane	56		5.029					9
53 Carbon tetrachloride	117		5.157					9
56 Benzene	78	5.370	5.364	0.006	98	1008185	26.0	
57 1,2-Dichloroethane	62	5.419	5.419	0.0	89	394362	25.2	
61 Trichloroethene	95	5.980	5.974	0.006	93	1200537	122.9	E
62 Methylcyclohexane	83		6.108					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.206					9
67 Dichlorobromomethane	83		6.492					
72 cis-1,3-Dichloropropene	75		6.913					9
73 4-Methyl-2-pentanone (MIBK)	43		7.047					
74 Toluene	92	7.211	7.211	0.0	98	652574	25.3	
76 trans-1,3-Dichloropropene	75		7.474					
79 1,1,2-Trichloroethane	83		7.663					
80 Tetrachloroethene	166	7.754	7.754	0.0	89	225648	24.6	
82 2-Hexanone	43		7.888					
83 Chlorodibromomethane	129		8.065					
84 Ethylene Dibromide	107		8.175					
86 Chlorobenzene	112	8.656	8.656	0.0	91	725947	25.3	
89 Ethylbenzene	91	8.754	8.754	0.0	99	1244359	25.7	
90 m-Xylene & p-Xylene	106	8.876	8.876	0.0	99	903848	51.0	
91 o-Xylene	106	9.302	9.302	0.0	99	434848	24.7	
92 Styrene	104		9.327					
93 Bromoform	173		9.565					
95 Isopropylbenzene	105		9.680					
98 1,1,2,2-Tetrachloroethane	83		10.052					
110 1,3-Dichlorobenzene	146		10.930					
113 1,4-Dichlorobenzene	146		11.016					
116 1,2-Dichlorobenzene	146	11.369	11.369	0.0	93	545847	25.7	
117 1,2-Dibromo-3-Chloropropane	75		12.082					
119 1,2,4-Trichlorobenzene	180		12.771					9
S 124 Xylenes, Total	1				0		75.7	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 13:10:09

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973G\20121018-15862.b\G15819.D

Injection Date: 19-Oct-2012 08:01:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973G

Lims Batch ID: 86338

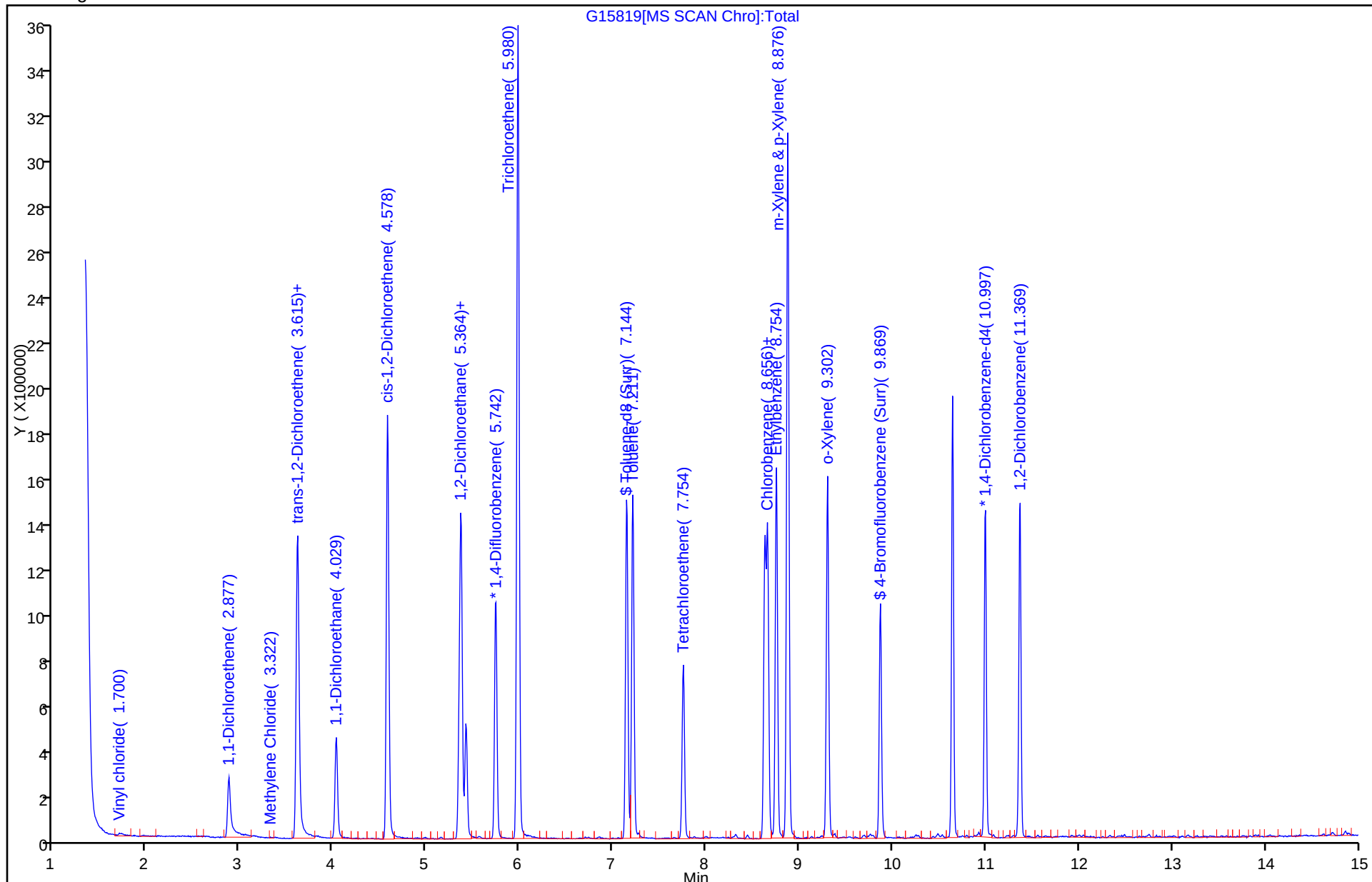
Lims Sample ID: 30

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-26599-1

SDG No.: _____

Instrument ID: HP5973G Start Date: 09/28/2012 14:59Analysis Batch Number: 82887 End Date: 09/28/2012 21:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-82887/1		09/28/2012 14:59	1	G14974.D	ZB-624 (60) 0.25 (mm)
IC 480-82887/3		09/28/2012 15:56	1	G14976.D	ZB-624 (60) 0.25 (mm)
IC 480-82887/4		09/28/2012 16:18	1	G14977.D	ZB-624 (60) 0.25 (mm)
IC 480-82887/5		09/28/2012 16:41	1	G14978.D	ZB-624 (60) 0.25 (mm)
ICIS 480-82887/6		09/28/2012 17:04	1	G14979.D	ZB-624 (60) 0.25 (mm)
IC 480-82887/7		09/28/2012 17:27	1	G14980.D	ZB-624 (60) 0.25 (mm)
IC 480-82887/8		09/28/2012 17:49	1	G14981.D	ZB-624 (60) 0.25 (mm)
ICV 480-82887/10		09/28/2012 18:34	1		ZB-624 (60) 0.25 (mm)
IC 480-82887/14		09/28/2012 20:04	1		ZB-624 (60) 0.25 (mm)
IC 480-82887/15		09/28/2012 20:27	1		ZB-624 (60) 0.25 (mm)
IC 480-82887/16		09/28/2012 20:49	1		ZB-624 (60) 0.25 (mm)
IC 480-82887/17		09/28/2012 21:12	1		ZB-624 (60) 0.25 (mm)
IC 480-82887/18		09/28/2012 21:34	1		ZB-624 (60) 0.25 (mm)
IC 480-82887/19		09/28/2012 21:56	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-26599-1

SDG No.: _____

Instrument ID: HP5973GStart Date: 10/18/2012 21:37Analysis Batch Number: 86338End Date: 10/19/2012 08:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-86338/1		10/18/2012 21:37	1	G15793.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-86338/2		10/18/2012 22:02	1	G15794.D	ZB-624 (60) 0.25 (mm)
CCV 480-86338/3		10/18/2012 22:44	1		ZB-624 (60) 0.25 (mm)
LCS 480-86338/4		10/18/2012 23:07	1	G15796.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/18/2012 23:07	1		ZB-624 (60) 0.25 (mm)
MB 480-86338/5		10/18/2012 23:30	1	G15797.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/18/2012 23:30	1		ZB-624 (60) 0.25 (mm)
480-26599-1	MW-2	10/19/2012 00:10	1	G15798.D	ZB-624 (60) 0.25 (mm)
480-26599-2	MW-11	10/19/2012 00:33	1	G15799.D	ZB-624 (60) 0.25 (mm)
480-26599-3	MW-10	10/19/2012 00:56	1	G15800.D	ZB-624 (60) 0.25 (mm)
480-26599-4	MW-6	10/19/2012 01:18	1	G15801.D	ZB-624 (60) 0.25 (mm)
480-26599-5	MW-12	10/19/2012 01:41	1	G15802.D	ZB-624 (60) 0.25 (mm)
480-26599-6	MW-3	10/19/2012 02:03	1	G15803.D	ZB-624 (60) 0.25 (mm)
480-26599-7	MW-13S	10/19/2012 02:26	800	G15804.D	ZB-624 (60) 0.25 (mm)
480-26599-8	MW-8R	10/19/2012 02:48	800	G15805.D	ZB-624 (60) 0.25 (mm)
480-26599-9	Duplicate	10/19/2012 03:10	800	G15806.D	ZB-624 (60) 0.25 (mm)
480-26599-10	Trip Blank	10/19/2012 03:33	1	G15807.D	ZB-624 (60) 0.25 (mm)
480-26599-11	Rinse Blank	10/19/2012 03:55	1	G15808.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 04:17	25		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 04:40	25		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 05:02	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 05:24	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 05:47	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 06:09	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 06:31	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 06:54	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 07:16	1		ZB-624 (60) 0.25 (mm)
480-26599-9 MS	Duplicate MS	10/19/2012 07:38	800	G15818.D	ZB-624 (60) 0.25 (mm)
480-26599-9 MSD	Duplicate MSD	10/19/2012 08:01	800	G15819.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-26599-1

SDG No.: _____

Instrument ID: HP5973GStart Date: 10/19/2012 09:31Analysis Batch Number: 86398End Date: 10/19/2012 21:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-86398/1		10/19/2012 09:31	1	G15821.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-86398/2		10/19/2012 09:56	1	G15822.D	ZB-624 (60) 0.25 (mm)
CCV 480-86398/3		10/19/2012 10:54	1		ZB-624 (60) 0.25 (mm)
LCS 480-86398/4		10/19/2012 11:17	1	G15825.D	ZB-624 (60) 0.25 (mm)
MB 480-86398/5		10/19/2012 13:16	1	G15829.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 13:16	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 13:38	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 14:01	40		ZB-624 (60) 0.25 (mm)
480-26599-8 DL	MW-8R DL	10/19/2012 14:23	1600	G15832.D	ZB-624 (60) 0.25 (mm)
480-26599-9 DL	Duplicate DL	10/19/2012 14:45	1600	G15833.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 15:08	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 15:30	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 15:53	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 16:15	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 16:38	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 17:01	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 17:23	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 17:46	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 18:09	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 18:32	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 18:54	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 19:17	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 19:40	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 20:02	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 20:25	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 20:48	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 21:10	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/19/2012 21:33	1		ZB-624 (60) 0.25 (mm)

Shipping and Receiving Documents

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

Chain of Custody Record

TAL-4124 (1007)

Client AECOM	Project Manager Dino Zack	Date 10/12/12	Chain of Custody Number 233226
Address 100 Corporate Pkwy, Suite 300	Telephone Number (Area Code)/Fax Number 716-836-4506	Lab Number BUFFALO	Page 1 of 1
City Amherst	State NY	Zip Code 14204	
Project Name and Location (State) Scott Aviation 4012, NY			
Contract/Purchase Order/Quote No. 4012, NY			

Special Instructions/
Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		
MW-2	10/11/12	10:30	X							3				
MW-11	10/11/12	11:05	X							3				
MW-10	10/11/12	11:50	X							3				
MW-6	10/11/12	12:25	X							3				
MW-12	10/11/12	13:50	X							3				
MW-3	10/11/12	14:30	X							3				
MW-135	10/12/12	10:00	X							3				
MW 812	10/12/12	08:30	X							3				
Dup	10/12/12	07:00	X							3				Will need dilution
Trip blank	10/11/12	07:00	X							2				Will need dilution
Rinse blank	10/11/12	07:15	X							3				Will need dilution

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown
 Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other **STU**
 Relinquished By **Om J. Zack** Date **10/12/12** Time **11:00 WS**
 Relinquished By **B. J. S. L.** Date **10/12/12** Time **16:40**
 Relinquished By **B. J. S. L.** Date **10/12/12** Time **16:40**

QC Requirements (Specify)
 Disposal By Lab ☒ Archive For _____ Months _____ Months _____ Months
 (A fee may be assessed if samples are retained longer than 1 month)
 Received By **B. J. S. L.** Date **10/12/12** Time **13:00**
 Received By **B. J. S. L.** Date **10/12/12** Time **16:40**
 Received By **B. J. S. L.** Date **10/12/12** Time **16:40**

3.0 #1

Comments

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-26599-1

Login Number: 26599

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

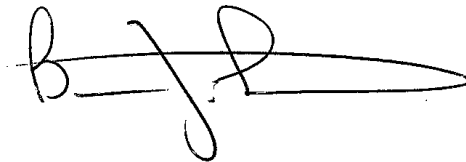
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature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

ANALYTICAL REPORT

Job Number: 480-26747-1

Job Description: Scott Aviation site

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



Approved for release.
Brian Fischer
Project Manager II
10/24/2012 3:35 PM

Brian Fischer
Project Manager II
brian.fischer@testamericainc.com
10/24/2012

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



Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Manual Integration Summary	5
Sample Summary	8
Executive Summary	9
Method Summary	10
Method / Analyst Summary	11
Sample Datasheets	12
QC Data Summary	18
Data Qualifiers	24
QC Association Summary	25
Lab Chronicle	26
Certification Summary	27
Organic Sample Data	28
Air - GC/MS VOA	28
TO15	28
TO15 QC Summary	29
TO15 Sample Data	36
Standards Data	67
TO15 ICAL Data	67
TO15 CCAL Data	124
Raw QC Data	141
TO15 Tune Data	141
TO15 Blank Data	149
TO15 LCS/LCSD Data	157

Table of Contents

TO15 Run Logs	164
Subcontracted Data	166
Shipping and Receiving Documents	167
Client Chain of Custody	168
Sample Receipt Checklist	169

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-26747-1

SDG No.: _____

Instrument ID: C.i Analysis Batch Number: 45233Lab Sample ID: IC 200-45233/3 Client Sample ID: _____Date Analyzed: 09/19/12 13:52 Lab File ID: cla003.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	5.12	Peak not found by the data system	wrd	09/20/12 08:29

Lab Sample ID: IC 200-45233/4 Client Sample ID: _____Date Analyzed: 09/19/12 14:45 Lab File ID: cla004.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.85	Baseline event	wrd	09/20/12 08:31
trans-1,2-Dichloroethene	9.65	Baseline event	wrd	09/20/12 08:32
n-Nonane	19.75	Baseline event	wrd	09/20/12 08:33

Lab Sample ID: IC 200-45233/5 Client Sample ID: _____Date Analyzed: 09/19/12 15:38 Lab File ID: cla005.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	7.93	Baseline event	wrd	09/20/12 08:34
Ethyl acetate	11.71	Baseline event	wrd	09/20/12 08:34
n-Nonane	19.77	Baseline event	wrd	09/20/12 08:35

Lab Sample ID: IC 200-45233/6 Client Sample ID: _____Date Analyzed: 09/19/12 16:32 Lab File ID: cla006.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.86	Baseline event	wrd	09/20/12 08:36
Acetonitrile	8.91	Baseline event	wrd	09/20/12 08:38

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-26747-1

SDG No.: _____

Instrument ID: C.i Analysis Batch Number: 45233Lab Sample ID: IC 200-45233/8 Client Sample ID: _____Date Analyzed: 09/19/12 18:19 Lab File ID: cla008.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.86	Baseline event	wrd	09/20/12 08:41
Acetonitrile	8.91	Baseline event	wrd	09/20/12 08:41

Lab Sample ID: IC 200-45233/9 Client Sample ID: _____Date Analyzed: 09/19/12 19:13 Lab File ID: cla009.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.86	Baseline event	wrd	09/20/12 08:43
Acetonitrile	8.90	Baseline event	wrd	09/20/12 08:44

Lab Sample ID: IC 200-45233/10 Client Sample ID: _____Date Analyzed: 09/19/12 20:06 Lab File ID: cla010.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.86	Baseline event	wrd	09/20/12 08:45
Acetonitrile	8.91	Baseline event	wrd	09/20/12 08:46

Lab Sample ID: ICV 200-45233/14 Client Sample ID: _____Date Analyzed: 09/20/12 09:17 Lab File ID: cla014.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.86	Baseline event	wrd	09/20/12 09:49
Acetonitrile	8.91	Baseline event	wrd	09/20/12 09:50

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-26747-1

SDG No.: _____

Instrument ID: C.i Analysis Batch Number: 46771Lab Sample ID: CCVIS 200-46771/2 Client Sample ID: _____Date Analyzed: 10/18/12 17:27 Lab File ID: claw002.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	8.89	Poor chromatography	ahk	10/18/12 18:08

Lab Sample ID: LCS 200-46771/5 Client Sample ID: _____Date Analyzed: 10/18/12 20:01 Lab File ID: claw005.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.84	Poor chromatography	ahk	10/18/12 20:42

Lab Sample ID: 480-26747-1 Client Sample ID: AS Effluent-4Q12Date Analyzed: 10/19/12 07:25 Lab File ID: claw018.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.14	Baseline event	wrd	10/19/12 16:34

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 480-26747-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-26747-1	AS Effluent-4Q12	Air	10/11/2012 0800	10/12/2012 1640
480-26747-2	LRP Effluent-4Q12	Air	10/11/2012 0800	10/12/2012 1640

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-26747-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-26747-1 AS EFFLUENT-4Q12						
Dichlorodifluoromethane		0.56		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.7		2.5	ug/m3	TO-15
Chloromethane		0.61		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
Vinyl chloride		0.27		0.20	ppb v/v	TO-15
Vinyl chloride		0.68		0.51	ug/m3	TO-15
Trichlorofluoromethane		0.25		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
n-Hexane		0.28		0.20	ppb v/v	TO-15
n-Hexane		0.98		0.70	ug/m3	TO-15
1,1-Dichloroethane		0.39		0.20	ppb v/v	TO-15
1,1-Dichloroethane		1.6		0.81	ug/m3	TO-15
cis-1,2-Dichloroethene		15		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		60		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		15		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		60		0.79	ug/m3	TO-15
Trichloroethene		6.1		0.20	ppb v/v	TO-15
Trichloroethene		33		1.1	ug/m3	TO-15
Toluene		0.41		0.20	ppb v/v	TO-15
Toluene		1.5		0.75	ug/m3	TO-15
Xylene (total)		0.24		0.20	ppb v/v	TO-15
Xylene (total)		1.0		0.87	ug/m3	TO-15
480-26747-2 LRP EFFLUENT-4Q12						
Vinyl chloride		550		50	ppb v/v	TO-15
Vinyl chloride		1400		130	ug/m3	TO-15
1,1-Dichloroethane		240		50	ppb v/v	TO-15
1,1-Dichloroethane		980		200	ug/m3	TO-15
cis-1,2-Dichloroethene		6500		50	ppb v/v	TO-15
cis-1,2-Dichloroethene		26000		200	ug/m3	TO-15
1,2-Dichloroethene, Total		6500		50	ppb v/v	TO-15
1,2-Dichloroethene, Total		26000		200	ug/m3	TO-15
1,1,1-Trichloroethane		130		50	ppb v/v	TO-15
1,1,1-Trichloroethane		710		270	ug/m3	TO-15
Trichloroethene		6700		50	ppb v/v	TO-15
Trichloroethene		36000		270	ug/m3	TO-15

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 480-26747-1

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: 480-26747-1

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

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26747-1

Client Sample ID: AS Effluent-4Q12

Lab Sample ID: 480-26747-1

Date Sampled: 10/11/2012 0800

Client Matrix: Air

Date Received: 10/12/2012 1640

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-46771	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	claw018.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/19/2012 0725			Final Weight/Volume:	200 mL
Prep Date:	10/19/2012 0725			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Dichlorodifluoromethane	0.56		0.50	0.50
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20
Chloromethane	0.61		0.50	0.50
Vinyl chloride	0.27		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	0.25		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	0.28		0.20	0.20
1,1-Dichloroethane	0.39		0.20	0.20
Methyl Ethyl Ketone	ND		0.50	0.50
cis-1,2-Dichloroethene	15		0.20	0.20
1,2-Dichloroethene, Total	15		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	6.1		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	0.41		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
1,2-Dibromoethane	ND		0.20	0.20

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26747-1

Client Sample ID: AS Effluent-4Q12

Lab Sample ID: 480-26747-1

Date Sampled: 10/11/2012 0800

Client Matrix: Air

Date Received: 10/12/2012 1640

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-46771	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	claw018.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/19/2012 0725			Final Weight/Volume:	200 mL
Prep Date:	10/19/2012 0725			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
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)	0.24		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

Analyte	Result (ug/m3)	Qualifier	RL	RL
Dichlorodifluoromethane	2.7		2.5	2.5
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4
Chloromethane	1.3		1.0	1.0
Vinyl chloride	0.68		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	1.4		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	0.98		0.70	0.70
1,1-Dichloroethane	1.6		0.81	0.81
Methyl Ethyl Ketone	ND		1.5	1.5
cis-1,2-Dichloroethene	60		0.79	0.79
1,2-Dichloroethene, Total	60		0.79	0.79
Chloroform	ND		0.98	0.98
Tetrahydrofuran	ND		15	15
1,1,1-Trichloroethane	ND		1.1	1.1

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26747-1

Client Sample ID: AS Effluent-4Q12

Lab Sample ID: 480-26747-1

Date Sampled: 10/11/2012 0800

Client Matrix: Air

Date Received: 10/12/2012 1640

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-46771	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	claw018.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	10/19/2012 0725			Final Weight/Volume:	200 mL
Prep Date:	10/19/2012 0725			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
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	33		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	1.5		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
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)	1.0		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

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26747-1

Client Sample ID: LRP Effluent-4Q12

Lab Sample ID: 480-26747-2

Date Sampled: 10/11/2012 0800

Client Matrix: Air

Date Received: 10/12/2012 1640

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-46771	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	claw026.d
Dilution:	251			Initial Weight/Volume:	142 mL
Analysis Date:	10/19/2012 1421			Final Weight/Volume:	200 mL
Prep Date:	10/19/2012 1421			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Dichlorodifluoromethane	ND		130	130
1,2-Dichlorotetrafluoroethane	ND		50	50
Chloromethane	ND		130	130
Vinyl chloride	550		50	50
1,3-Butadiene	ND		50	50
Bromomethane	ND		50	50
Chloroethane	ND		130	130
Bromoethene(Vinyl Bromide)	ND		50	50
Trichlorofluoromethane	ND		50	50
Freon TF	ND		50	50
1,1-Dichloroethene	ND		50	50
Acetone	ND		1300	1300
Isopropyl alcohol	ND		1300	1300
Carbon disulfide	ND		130	130
3-Chloropropene	ND		130	130
Methylene Chloride	ND		130	130
tert-Butyl alcohol	ND		1300	1300
Methyl tert-butyl ether	ND		50	50
trans-1,2-Dichloroethene	ND		50	50
n-Hexane	ND		50	50
1,1-Dichloroethane	240		50	50
Methyl Ethyl Ketone	ND		130	130
cis-1,2-Dichloroethene	6500		50	50
1,2-Dichloroethene, Total	6500		50	50
Chloroform	ND		50	50
Tetrahydrofuran	ND		1300	1300
1,1,1-Trichloroethane	130		50	50
Cyclohexane	ND		50	50
Carbon tetrachloride	ND		50	50
2,2,4-Trimethylpentane	ND		50	50
Benzene	ND		50	50
1,2-Dichloroethane	ND		50	50
n-Heptane	ND		50	50
Trichloroethene	6700		50	50
1,2-Dichloropropane	ND		50	50
1,4-Dioxane	ND		1300	1300
Bromodichloromethane	ND		50	50
cis-1,3-Dichloropropene	ND		50	50
methyl isobutyl ketone	ND		130	130
Toluene	ND		50	50
trans-1,3-Dichloropropene	ND		50	50
1,1,2-Trichloroethane	ND		50	50
Tetrachloroethene	ND		50	50
Methyl Butyl Ketone (2-Hexanone)	ND		130	130
Dibromochloromethane	ND		50	50
1,2-Dibromoethane	ND		50	50

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26747-1

Client Sample ID: LRP Effluent-4Q12

Lab Sample ID: 480-26747-2

Date Sampled: 10/11/2012 0800

Client Matrix: Air

Date Received: 10/12/2012 1640

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-46771	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	claw026.d
Dilution:	251			Initial Weight/Volume:	142 mL
Analysis Date:	10/19/2012 1421			Final Weight/Volume:	200 mL
Prep Date:	10/19/2012 1421			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Chlorobenzene	ND		50	50
Ethylbenzene	ND		50	50
m,p-Xylene	ND		130	130
Xylene, o-	ND		50	50
Xylene (total)	ND		50	50
Styrene	ND		50	50
Bromoform	ND		50	50
1,1,2,2-Tetrachloroethane	ND		50	50
4-Ethyltoluene	ND		50	50
1,3,5-Trimethylbenzene	ND		50	50
2-Chlorotoluene	ND		50	50
1,2,4-Trimethylbenzene	ND		50	50
1,3-Dichlorobenzene	ND		50	50
1,4-Dichlorobenzene	ND		50	50
1,2-Dichlorobenzene	ND		50	50
1,2,4-Trichlorobenzene	ND		130	130
Hexachlorobutadiene	ND		50	50

Analyte	Result (ug/m3)	Qualifier	RL	RL
Dichlorodifluoromethane	ND		620	620
1,2-Dichlorotetrafluoroethane	ND		350	350
Chloromethane	ND		260	260
Vinyl chloride	1400		130	130
1,3-Butadiene	ND		110	110
Bromomethane	ND		190	190
Chloroethane	ND		330	330
Bromoethene(Vinyl Bromide)	ND		220	220
Trichlorofluoromethane	ND		280	280
Freon TF	ND		380	380
1,1-Dichloroethene	ND		200	200
Acetone	ND		3000	3000
Isopropyl alcohol	ND		3100	3100
Carbon disulfide	ND		390	390
3-Chloropropene	ND		390	390
Methylene Chloride	ND		440	440
tert-Butyl alcohol	ND		3800	3800
Methyl tert-butyl ether	ND		180	180
trans-1,2-Dichloroethene	ND		200	200
n-Hexane	ND		180	180
1,1-Dichloroethane	980		200	200
Methyl Ethyl Ketone	ND		370	370
cis-1,2-Dichloroethene	26000		200	200
1,2-Dichloroethene, Total	26000		200	200
Chloroform	ND		250	250
Tetrahydrofuran	ND		3700	3700
1,1,1-Trichloroethane	710		270	270

Analytical Data

Client: AECOM, Inc.

Job Number: 480-26747-1

Client Sample ID: LRP Effluent-4Q12

Lab Sample ID: 480-26747-2

Date Sampled: 10/11/2012 0800

Client Matrix: Air

Date Received: 10/12/2012 1640

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-46771	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	claw026.d
Dilution:	251			Initial Weight/Volume:	142 mL
Analysis Date:	10/19/2012 1421			Final Weight/Volume:	200 mL
Prep Date:	10/19/2012 1421			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Cyclohexane	ND		170	170
Carbon tetrachloride	ND		320	320
2,2,4-Trimethylpentane	ND		230	230
Benzene	ND		160	160
1,2-Dichloroethane	ND		200	200
n-Heptane	ND		210	210
Trichloroethene	36000		270	270
1,2-Dichloropropane	ND		230	230
1,4-Dioxane	ND		4500	4500
Bromodichloromethane	ND		340	340
cis-1,3-Dichloropropene	ND		230	230
methyl isobutyl ketone	ND		510	510
Toluene	ND		190	190
trans-1,3-Dichloropropene	ND		230	230
1,1,2-Trichloroethane	ND		270	270
Tetrachloroethene	ND		340	340
Methyl Butyl Ketone (2-Hexanone)	ND		510	510
Dibromochloromethane	ND		430	430
1,2-Dibromoethane	ND		390	390
Chlorobenzene	ND		230	230
Ethylbenzene	ND		220	220
m,p-Xylene	ND		540	540
Xylene, o-	ND		220	220
Xylene (total)	ND		220	220
Styrene	ND		210	210
Bromoform	ND		520	520
1,1,2,2-Tetrachloroethane	ND		340	340
4-Ethyltoluene	ND		250	250
1,3,5-Trimethylbenzene	ND		250	250
2-Chlorotoluene	ND		260	260
1,2,4-Trimethylbenzene	ND		250	250
1,3-Dichlorobenzene	ND		300	300
1,4-Dichlorobenzene	ND		300	300
1,2-Dichlorobenzene	ND		300	300
1,2,4-Trichlorobenzene	ND		930	930
Hexachlorobutadiene	ND		540	540

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-26747-1

Method Blank - Batch: 200-46771

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-46771/6
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 10/18/2012 2052
 Prep Date: 10/18/2012 2052
 Leach Date: N/A

Analysis Batch: 200-46771
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: C.i
 Lab File ID: claw006.d
 Initial Weight/Volume: 200 mL
 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: 480-26747-1

Method Blank - Batch: 200-46771

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-46771/6
Client Matrix: Air
Dilution: 1.0
Analysis Date: 10/18/2012 2052
Prep Date: 10/18/2012 2052
Leach Date: N/A

Analysis Batch: 200-46771
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: C.i
Lab File ID: claw006.d
Initial Weight/Volume: 200 mL
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: 480-26747-1

Method Blank - Batch: 200-46771

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-46771/6
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 10/18/2012 2052
 Prep Date: 10/18/2012 2052
 Leach Date: N/A

Analysis Batch: 200-46771
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: C.i
 Lab File ID: claw006.d
 Initial Weight/Volume: 200 mL
 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: 480-26747-1

Method Blank - Batch: 200-46771

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-46771/6
Client Matrix: Air
Dilution: 1.0
Analysis Date: 10/18/2012 2052
Prep Date: 10/18/2012 2052
Leach Date: N/A

Analysis Batch: 200-46771
Prep Batch: N/A
Leach Batch: N/A
Units: ug/m3

Instrument ID: C.i
Lab File ID: claw006.d
Initial Weight/Volume: 200 mL
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: 480-26747-1

Lab Control Sample - Batch: 200-46771

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-46771/5	Analysis Batch:	200-46771	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	claw005.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/18/2012 2001	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	10/18/2012 2001			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	11.3	113	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	10.5	105	70 - 130	
Chloromethane	10.0	10.2	102	70 - 130	
Vinyl chloride	10.0	10.0	100	70 - 130	
1,3-Butadiene	10.0	10.6	106	70 - 130	
Bromomethane	10.0	10.1	101	70 - 130	
Chloroethane	10.0	9.73	97	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	9.97	100	70 - 130	
Trichlorofluoromethane	10.0	10.9	109	70 - 130	
Freon TF	10.0	10.9	109	70 - 130	
1,1-Dichloroethene	10.0	10.3	103	70 - 130	
Acetone	10.0	9.43	94	70 - 130	
Isopropyl alcohol	10.0	9.35	94	70 - 130	
Carbon disulfide	10.0	9.58	96	70 - 130	
3-Chloropropene	10.0	10.2	102	70 - 130	
Methylene Chloride	10.0	10.4	104	70 - 130	
tert-Butyl alcohol	10.0	9.24	92	70 - 130	
Methyl tert-butyl ether	10.0	9.81	98	70 - 130	
trans-1,2-Dichloroethene	10.0	10.1	101	70 - 130	
n-Hexane	10.0	9.67	97	70 - 130	
1,1-Dichloroethane	10.0	9.92	99	70 - 130	
Methyl Ethyl Ketone	10.0	8.32	83	70 - 130	
cis-1,2-Dichloroethene	10.0	9.42	94	70 - 130	
Chloroform	10.0	10.3	103	70 - 130	
Tetrahydrofuran	10.0	9.28	93	70 - 130	
1,1,1-Trichloroethane	10.0	10.9	109	70 - 130	
Cyclohexane	10.0	9.85	99	70 - 130	
Carbon tetrachloride	10.0	11.1	111	70 - 130	
2,2,4-Trimethylpentane	10.0	9.72	97	70 - 130	
Benzene	10.0	9.36	94	70 - 130	
1,2-Dichloroethane	10.0	11.1	111	70 - 130	
n-Heptane	10.0	9.82	98	70 - 130	
Trichloroethene	10.0	9.57	96	70 - 130	
1,2-Dichloropropane	10.0	9.25	93	70 - 130	
1,4-Dioxane	10.0	8.05	80	70 - 130	
Bromodichloromethane	10.0	11.2	112	70 - 130	
cis-1,3-Dichloropropene	10.0	9.21	92	70 - 130	
methyl isobutyl ketone	10.0	9.17	92	70 - 130	
Toluene	10.0	8.92	89	70 - 130	
trans-1,3-Dichloropropene	10.0	9.94	99	70 - 130	
1,1,2-Trichloroethane	10.0	9.11	91	70 - 130	
Tetrachloroethene	10.0	9.86	99	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.47	95	70 - 130	
Dibromochloromethane	10.0	10.9	109	70 - 130	
1,2-Dibromoethane	10.0	9.46	95	70 - 130	
Chlorobenzene	10.0	9.29	93	70 - 130	

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-26747-1

Lab Control Sample - Batch: 200-46771

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-46771/5	Analysis Batch:	200-46771	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	claw005.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	10/18/2012 2001	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	10/18/2012 2001			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylbenzene	10.0	9.40	94	70 - 130	
m,p-Xylene	20.0	18.0	90	70 - 130	
Xylene, o-	10.0	8.86	89	70 - 130	
Styrene	10.0	9.29	93	70 - 130	
Bromoform	10.0	11.3	113	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	8.49	85	70 - 130	
4-Ethyltoluene	10.0	10.1	101	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.55	96	70 - 130	
2-Chlorotoluene	10.0	10.1	101	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.43	94	70 - 130	
1,3-Dichlorobenzene	10.0	9.01	90	70 - 130	
1,4-Dichlorobenzene	10.0	8.79	88	70 - 130	
1,2-Dichlorobenzene	10.0	8.85	88	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.92	99	70 - 130	
Hexachlorobutadiene	10.0	10.0	100	70 - 130	

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-26747-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-46771					
LCS 200-46771/5	Lab Control Sample	T	Air	TO-15	
MB 200-46771/6	Method Blank	T	Air	TO-15	
480-26747-1	AS Effluent-4Q12	T	Air	TO-15	
480-26747-2	LRP Effluent-4Q12	T	Air	TO-15	

Report Basis

T = Total

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-26747-1

Laboratory Chronicle

Lab ID: 480-26747-1

Client ID: AS Effluent-4Q12

Sample Date/Time: 10/11/2012 08:00

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	480-26747-A-1		200-46771		10/19/2012 07:25	1	TAL BUR	WRD
A:TO-15	480-26747-A-1		200-46771		10/19/2012 07:25	1	TAL BUR	WRD

Lab ID: 480-26747-2

Client ID: LRP Effluent-4Q12

Sample Date/Time: 10/11/2012 08:00

Received Date/Time: 10/12/2012 16:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	480-26747-A-2		200-46771		10/19/2012 14:21	251	TAL BUR	WRD
A:TO-15	480-26747-A-2		200-46771		10/19/2012 14:21	251	TAL BUR	WRD

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-46771/6		200-46771		10/18/2012 20:52	1	TAL BUR	WRD
A:TO-15	MB 200-46771/6		200-46771		10/18/2012 20:52	1	TAL BUR	WRD

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-46771/5		200-46771		10/18/2012 20:01	1	TAL BUR	WRD
A:TO-15	LCS 200-46771/5		200-46771		10/18/2012 20:01	1	TAL BUR	WRD

Lab References:

TAL BUR = TestAmerica Burlington

Certification Summary

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

TestAmerica Job ID: 480-26747-1

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	NELAC	4	E87467
TestAmerica Burlington	Louisiana	NELAC	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAC	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAC	1	200610
TestAmerica Burlington	New Jersey	NELAC	2	VT972
TestAmerica Burlington	New York	NELAC	2	10391
TestAmerica Burlington	Pennsylvania	NELAC	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAC	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.: 480-26747-1
SDG No.: _____
Matrix: Air Level: Low Lab File ID: claw005.d
Lab ID: LCS 200-46771/5 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	11.3	113	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.5	105	70-130	
Chloromethane	10.0	10.2	102	70-130	
Vinyl chloride	10.0	10.0	100	70-130	
1,3-Butadiene	10.0	10.6	106	70-130	
Bromomethane	10.0	10.1	101	70-130	
Chloroethane	10.0	9.73	97	70-130	
Bromoethene (Vinyl Bromide)	10.0	9.97	100	70-130	
Trichlorofluoromethane	10.0	10.9	109	70-130	
Freon TF	10.0	10.9	109	70-130	
1,1-Dichloroethene	10.0	10.3	103	70-130	
Acetone	10.0	9.43	94	70-130	
Isopropyl alcohol	10.0	9.35	94	70-130	
Carbon disulfide	10.0	9.58	96	70-130	
3-Chloropropene	10.0	10.2	102	70-130	
Methylene Chloride	10.0	10.4	104	70-130	
tert-Butyl alcohol	10.0	9.24	92	70-130	
Methyl tert-butyl ether	10.0	9.81	98	70-130	
trans-1,2-Dichloroethene	10.0	10.1	101	70-130	
n-Hexane	10.0	9.67	97	70-130	
1,1-Dichloroethane	10.0	9.92	99	70-130	
Methyl Ethyl Ketone	10.0	8.32	83	70-130	
cis-1,2-Dichloroethene	10.0	9.42	94	70-130	
Chloroform	10.0	10.3	103	70-130	
Tetrahydrofuran	10.0	9.28	93	70-130	
1,1,1-Trichloroethane	10.0	10.9	109	70-130	
Cyclohexane	10.0	9.85	99	70-130	
Carbon tetrachloride	10.0	11.1	111	70-130	
2,2,4-Trimethylpentane	10.0	9.72	97	70-130	
Benzene	10.0	9.36	94	70-130	
1,2-Dichloroethane	10.0	11.1	111	70-130	
n-Heptane	10.0	9.82	98	70-130	
Trichloroethene	10.0	9.57	96	70-130	
1,2-Dichloropropane	10.0	9.25	93	70-130	
1,4-Dioxane	10.0	8.05	80	70-130	
Bromodichloromethane	10.0	11.2	112	70-130	
cis-1,3-Dichloropropene	10.0	9.21	92	70-130	
methyl isobutyl ketone	10.0	9.17	92	70-130	
Toluene	10.0	8.92	89	70-130	
trans-1,3-Dichloropropene	10.0	9.94	99	70-130	
1,1,2-Trichloroethane	10.0	9.11	91	70-130	
Tetrachloroethene	10.0	9.86	99	70-130	

Column to be used to flag recovery and RPD values

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

Lab Name: TestAmerica Burlington Job No.: 480-26747-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: claw005.d
 Lab ID: LCS 200-46771/5 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	9.47	95	70-130	
Dibromochloromethane	10.0	10.9	109	70-130	
1,2-Dibromoethane	10.0	9.46	95	70-130	
Chlorobenzene	10.0	9.29	93	70-130	
Ethylbenzene	10.0	9.40	94	70-130	
m,p-Xylene	20.0	18.0	90	70-130	
Xylene, o-	10.0	8.86	89	70-130	
Styrene	10.0	9.29	93	70-130	
Bromoform	10.0	11.3	113	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.49	85	70-130	
4-Ethyltoluene	10.0	10.1	101	70-130	
1,3,5-Trimethylbenzene	10.0	9.55	96	70-130	
2-Chlorotoluene	10.0	10.1	101	70-130	
1,2,4-Trimethylbenzene	10.0	9.43	94	70-130	
1,3-Dichlorobenzene	10.0	9.01	90	70-130	
1,4-Dichlorobenzene	10.0	8.79	88	70-130	
1,2-Dichlorobenzene	10.0	8.85	88	70-130	
1,2,4-Trichlorobenzene	10.0	9.92	99	70-130	
Hexachlorobutadiene	10.0	10.0	100	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.: 480-26747-1
SDG No.: _____
Lab File ID: claw006.d Lab Sample ID: MB 200-46771/6
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: C.i Date Analyzed: 10/18/2012 20:52
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 200-46771/5	claw005.d	10/18/2012 20:01
AS Effluent-4Q12	480-26747-1	claw018.d	10/19/2012 07:25
LRP Effluent-4Q12	480-26747-2	claw026.d	10/19/2012 14:21

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-26747-1
 SDG No.: _____
 Lab File ID: cla001.d BFB Injection Date: 09/19/2012
 Instrument ID: C.i BFB Injection Time: 12:05
 Analysis Batch No.: 45233

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	14.0
75	30.0 - 66.0% of mass 95	45.0
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	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	81.4
175	4.0 - 9.0 % of mass 174	5.8 (7.1) 1
176	93.0 - 101.0% of mass 174	78.8 (96.7) 1
177	5.0 - 9.0% of mass 176	5.0 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-45233/3	cla003.d	09/19/2012	13:52
	IC 200-45233/4	cla004.d	09/19/2012	14:45
	IC 200-45233/5	cla005.d	09/19/2012	15:38
	IC 200-45233/6	cla006.d	09/19/2012	16:32
	ICIS 200-45233/7	cla007.d	09/19/2012	17:25
	IC 200-45233/8	cla008.d	09/19/2012	18:19
	IC 200-45233/9	cla009.d	09/19/2012	19:13
	IC 200-45233/10	cla010.d	09/19/2012	20:06
	ICV 200-45233/14	cla014.d	09/20/2012	09:17

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-26747-1
 SDG No.: _____
 Lab File ID: claw001.d BFB Injection Date: 10/18/2012
 Instrument ID: C.i BFB Injection Time: 16:36
 Analysis Batch No.: 46771

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.9
75	30.0 - 66.0% of mass 95	55.0
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	87.8
175	4.0 - 9.0 % of mass 174	6.1 (7.0) 1
176	93.0 - 101.0% of mass 174	84.6 (96.4) 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 200-46771/2	claw002.d	10/18/2012	17:27
	LCS 200-46771/5	claw005.d	10/18/2012	20:01
	MB 200-46771/6	claw006.d	10/18/2012	20:52
AS Effluent-4Q12	480-26747-1	claw018.d	10/19/2012	07:25
LRP Effluent-4Q12	480-26747-2	claw026.d	10/19/2012	14:21

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

Lab Name: TestAmerica Burlington Job No.: 480-26747-1
SDG No.: _____
Sample No.: ICIS 200-45233/7 Date Analyzed: 09/19/2012 17:25
Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): cla007.d Heated Purge: (Y/N) N
Calibration ID: 17700

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	349260	12.07	1926691	13.89	1809194	19.42
UPPER LIMIT	488964	12.40	2697367	14.22	2532872	19.75
LOWER LIMIT	209556	11.74	1156015	13.56	1085516	19.09
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-45233/14		372273	12.07	2112167	13.89	1994790 19.41

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.: 480-26747-1
 SDG No.: _____
 Sample No.: CCVIS 200-46771/2 Date Analyzed: 10/18/2012 17:27
 Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): claw002.d Heated Purge: (Y/N) N
 Calibration ID: 17700

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	303095	12.05	1610514	13.87	1542116	19.40	
UPPER LIMIT	424333	12.38	2254720	14.20	2158962	19.73	
LOWER LIMIT	181857	11.72	966308	13.54	925270	19.07	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-46771/5		348469	12.05	1882965	13.87	1755237	19.40
MB 200-46771/6		290510	12.04	1670430	13.87	1503561	19.40
480-26747-1	AS Effluent-4Q12	269438	12.05	1417401	13.88	1340174	19.40
480-26747-2	LRP Effluent-4Q12	238256	12.05	1316705	13.87	1131881	19.40

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.: 480-26747-1

SDG No.: _____

Client Sample ID: AS Effluent-4Q12 Lab Sample ID: 480-26747-1

Matrix: Air Lab File ID: claw018.d

Analysis Method: TO-15 Date Collected: 10/11/2012 08:00

Sample wt/vol: 200 (mL) Date Analyzed: 10/19/2012 07:25

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.: 46771 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	0.56		0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.20
74-87-3	Chloromethane	50.49	0.61		0.50	0.50
75-01-4	Vinyl chloride	62.50	0.27		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	0.25		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	0.28		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	0.39		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	15		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	15		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	6.1		0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 480-26747-1
 SDG No.: _____
 Client Sample ID: AS Effluent-4Q12 Lab Sample ID: 480-26747-1
 Matrix: Air Lab File ID: claw018.d
 Analysis Method: TO-15 Date Collected: 10/11/2012 08:00
 Sample wt/vol: 200 (mL) Date Analyzed: 10/19/2012 07:25
 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.: 46771 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	0.41		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	0.24		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.: 480-26747-1

SDG No.: _____

Client Sample ID: AS Effluent-4Q12 Lab Sample ID: 480-26747-1

Matrix: Air Lab File ID: claw018.d

Analysis Method: TO-15 Date Collected: 10/11/2012 08:00

Sample wt/vol: 200 (mL) Date Analyzed: 10/19/2012 07:25

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.: 46771 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	2.7		2.5	2.5
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	1.4
74-87-3	Chloromethane	50.49	1.3		1.0	1.0
75-01-4	Vinyl chloride	62.50	0.68		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	1.4		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	0.98		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	1.6		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	60		0.79	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	60		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	33		1.1	1.1

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

Lab Name: TestAmerica Burlington Job No.: 480-26747-1
 SDG No.: _____
 Client Sample ID: AS Effluent-4Q12 Lab Sample ID: 480-26747-1
 Matrix: Air Lab File ID: claw018.d
 Analysis Method: TO-15 Date Collected: 10/11/2012 08:00
 Sample wt/vol: 200 (mL) Date Analyzed: 10/19/2012 07:25
 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.: 46771 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	1.5		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	1.0		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

Lab Sample Id: 480-26747-1
Client Smp ID: AS Effluent-4012
Inj Date : 19-OCT-2012 07:25
Operator : WRD
Smp Info : 480-26747-A-1
Misc Info : 200,1, all
Comment :
Method : /chem/C.i/Csvr.p/clawto15.b/to15v5.m
Meth Date : 19-Oct-2012 16:59 wrd
Cal Date : 19-SEP-2012 20:06
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: C.i
Quant Type: ISTD
Cal File: cla010.d
Compound Sublist: allT015.sub

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	
1 Propene	41	4.218	4.208	(0.350)	3322	0.26595	0.27(aQ)	
2 Dichlorodifluoromethane	85	4.309	4.304	(0.358)	38160	0.55605	0.56	
3 Chlorodifluoromethane	51	4.362	4.363	(0.362)	9199	0.30440	0.30(a)	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.						
5 Chloromethane	50	4.811	4.811	(0.399)	8939	0.61324	0.61	
6 Butane	43	5.072	5.078	(0.421)	14294	0.57919	0.58(Q)	
7 Vinyl chloride	62	5.115	5.115	(0.425)	5210	0.26653	0.27	
8 1,3-Butadiene	54	Compound Not Detected.						
9 Bromomethane	94	Compound Not Detected.						
10 Chloroethane	64	6.278	6.268	(0.521)	2981	0.31601	0.32(a)	
11 2-Methylbutane	43	6.396	6.380	(0.531)	7045	0.39931	0.40	
12 Vinyl bromide	106	Compound Not Detected.						
13 Trichlorofluoromethane	101	6.844	6.844	(0.568)	18257	0.25376	0.25	
14 Pentane	43	7.010	7.010	(0.582)	11861	0.42465	0.42(a)	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.431	7.522	(0.617)	8551	1.96450	2.0(a)
16 Ethyl ether	59	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.002	8.018	(0.664)	3768	0.07523	0.075(aQ)
18 Acrolein	56	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.248	8.248	(0.685)	98611	3.84901	3.8(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	9.144	9.150	(0.759)	3352	0.17954	0.18(aM)
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	10.078	10.084	(0.837)	8600	0.27857	0.28
31 1,1-Dichloroethane	63	10.505	10.521	(0.872)	15147	0.38736	0.39
32 Vinyl acetate	43	Compound Not Detected.					
M 33 1,2-Dichloroethene,Total	61				422065	15.1348	15
34 1,2-Dichloroethene (cis)	96	11.605	11.621	(0.963)	422065	15.1348	15
35 Ethyl acetate	88	Compound Not Detected.					
36 Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37 Bromochloromethane	128	12.048	12.069	(1.000)	269438	10.0000	
38 Tetrahydrofuran	42	12.122	12.117	(0.873)	14901	0.93352	0.93(a)
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	12.747	12.758	(0.918)	5595	0.09027	0.090(a)
43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
44 Benzene	78	13.147	13.163	(0.947)	9482	0.13019	0.13(a)
45 1,2-Dichloroethane	62	Compound Not Detected.					
46 n-Heptane	43	13.499	13.515	(0.973)	2321	0.07438	0.074(a)
* 47 1,4-Difluorobenzene	114	13.878	13.894	(1.000)	1417401	10.0000	
48 n-Butanol	56	Compound Not Detected.					
49 Trichloroethene	95	14.332	14.348	(1.033)	223219	6.08471	6.1
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	15.020	15.020	(1.082)	7510	0.76678	0.77(a)
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	16.691	16.707	(0.860)	25103	0.40898	0.41
59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	83	Compound Not Detected.					
61 Tetrachloroethene	166	Compound Not Detected.					

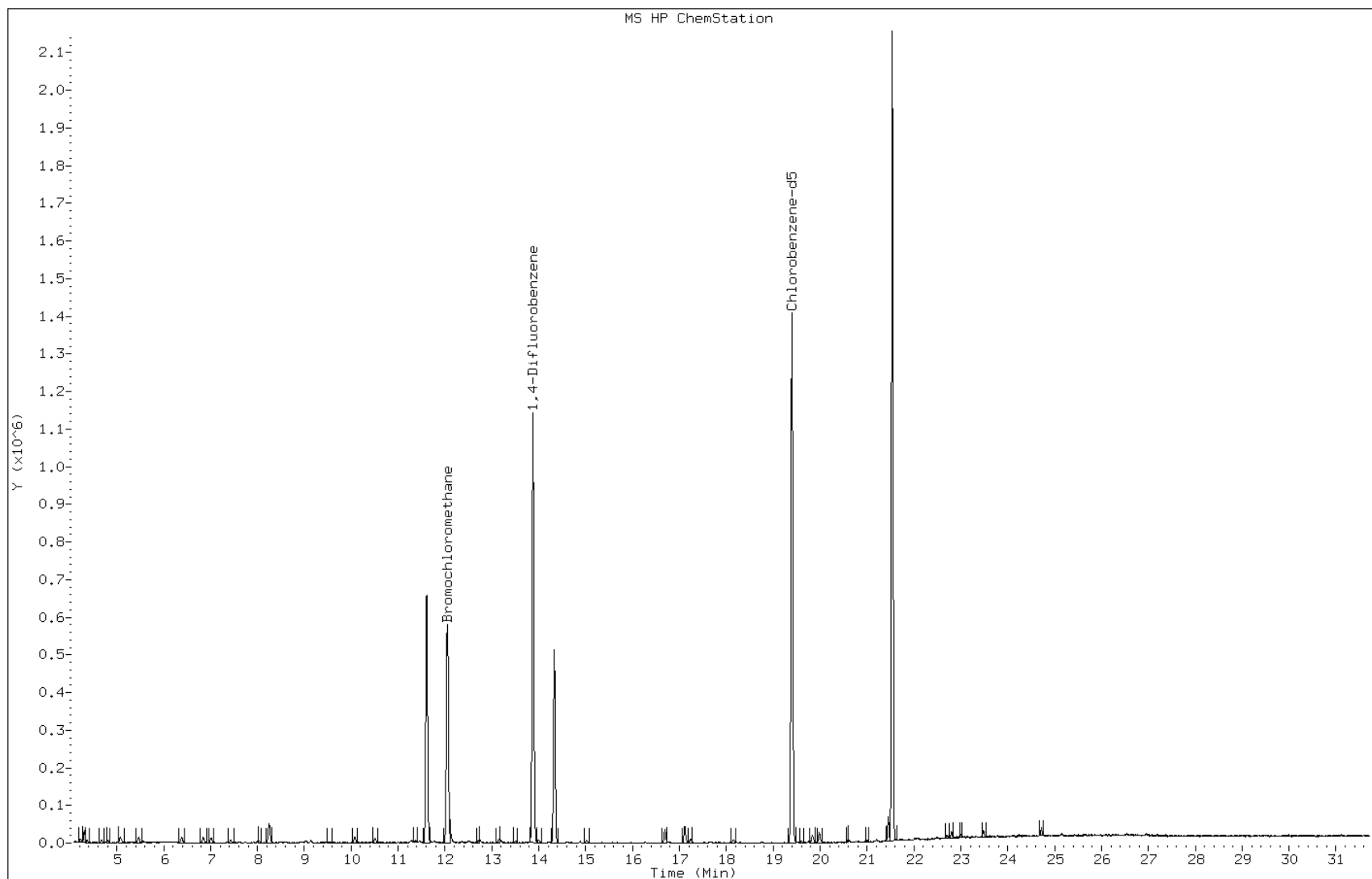
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43		Compound Not Detected.				
63 Dibromochloromethane	129		Compound Not Detected.				
64 1,2-Dibromoethane	107		Compound Not Detected.				
* 65 Chlorobenzene-d5	117	19.397	19.418	(1.000)	1340174	10.0000	
66 Chlorobenzene	112		Compound Not Detected.				
67 n-Nonane	57		Compound Not Detected.				
68 Ethylbenzene	91	19.605	19.626	(1.011)	6773	0.05431	0.054(a)
69 Xylene (m,p)	106	19.840	19.861	(1.023)	9405	0.17397	0.17(aQ)
M 70 Xylenes, Total	106				12863	0.23930	0.24
71 Xylene (o)	106	20.592	20.619	(1.062)	3458	0.06533	0.065(aQ)
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	26.954	26.975	(1.390)	6635	0.08795	0.088(a)
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.

Data File: claw018.d
Client ID: AS Effluent-4Q12
Operator: WRD
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 480-26747-A-1
Lab Sample ID: 480-26747-1

Date: 19-OCT-2012 07:25
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



Data File: claw018.d

Lab Sample ID: 480-26747-1

Date: 19-OCT-2012 07:25

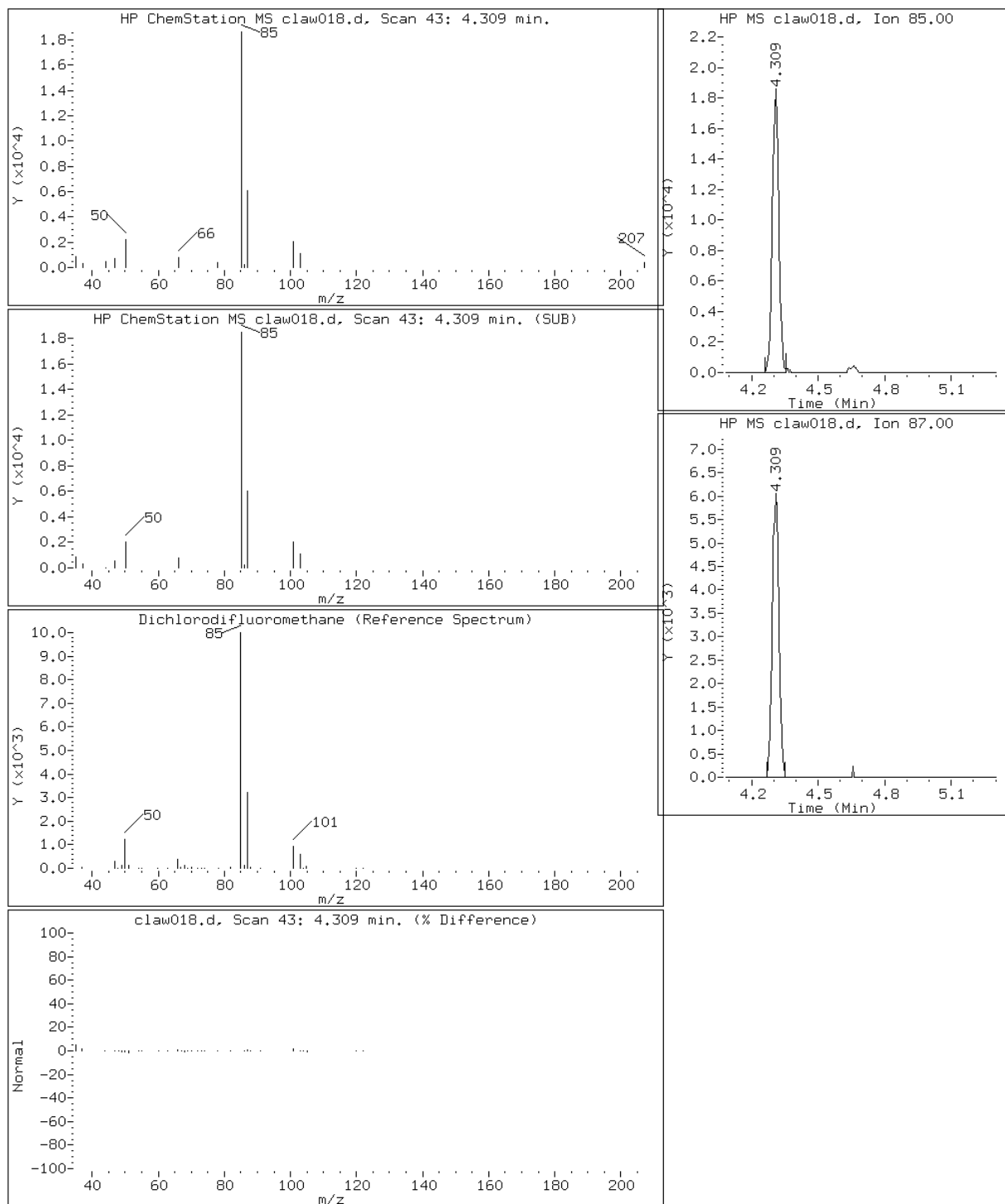
Client ID: AS Effluent-4Q12

Instrument: C.i

Sample Info: 480-26747-A-1

Operator: WRD

2 Dichlorodifluoromethane



Data File: claw018.d

Lab Sample ID: 480-26747-1

Date: 19-OCT-2012 07:25

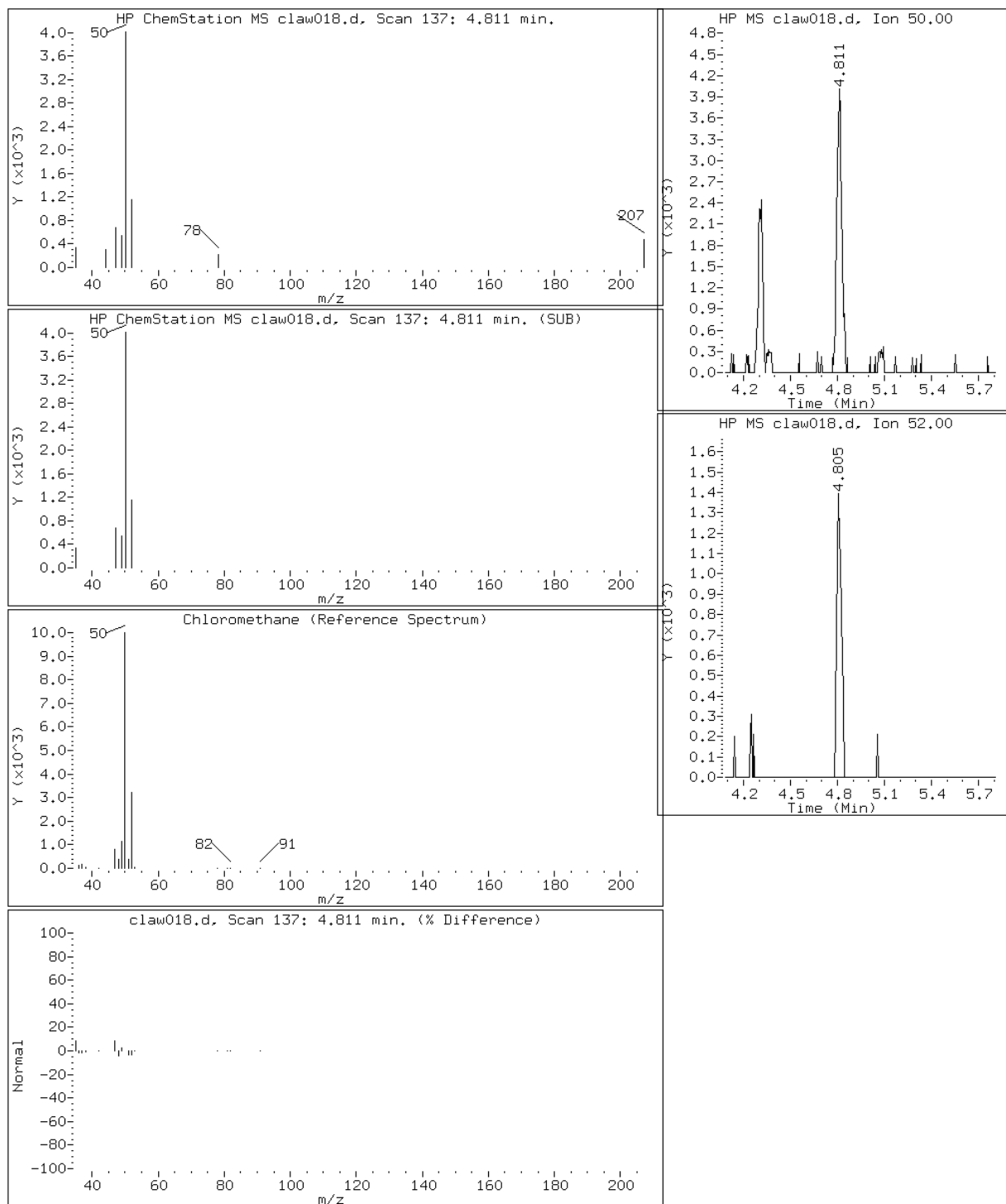
Client ID: AS Effluent-4Q12

Instrument: C.i

Sample Info: 480-26747-A-1

Operator: WRD

5 Chloromethane



Data File: claw018.d

Lab Sample ID: 480-26747-1

Date: 19-OCT-2012 07:25

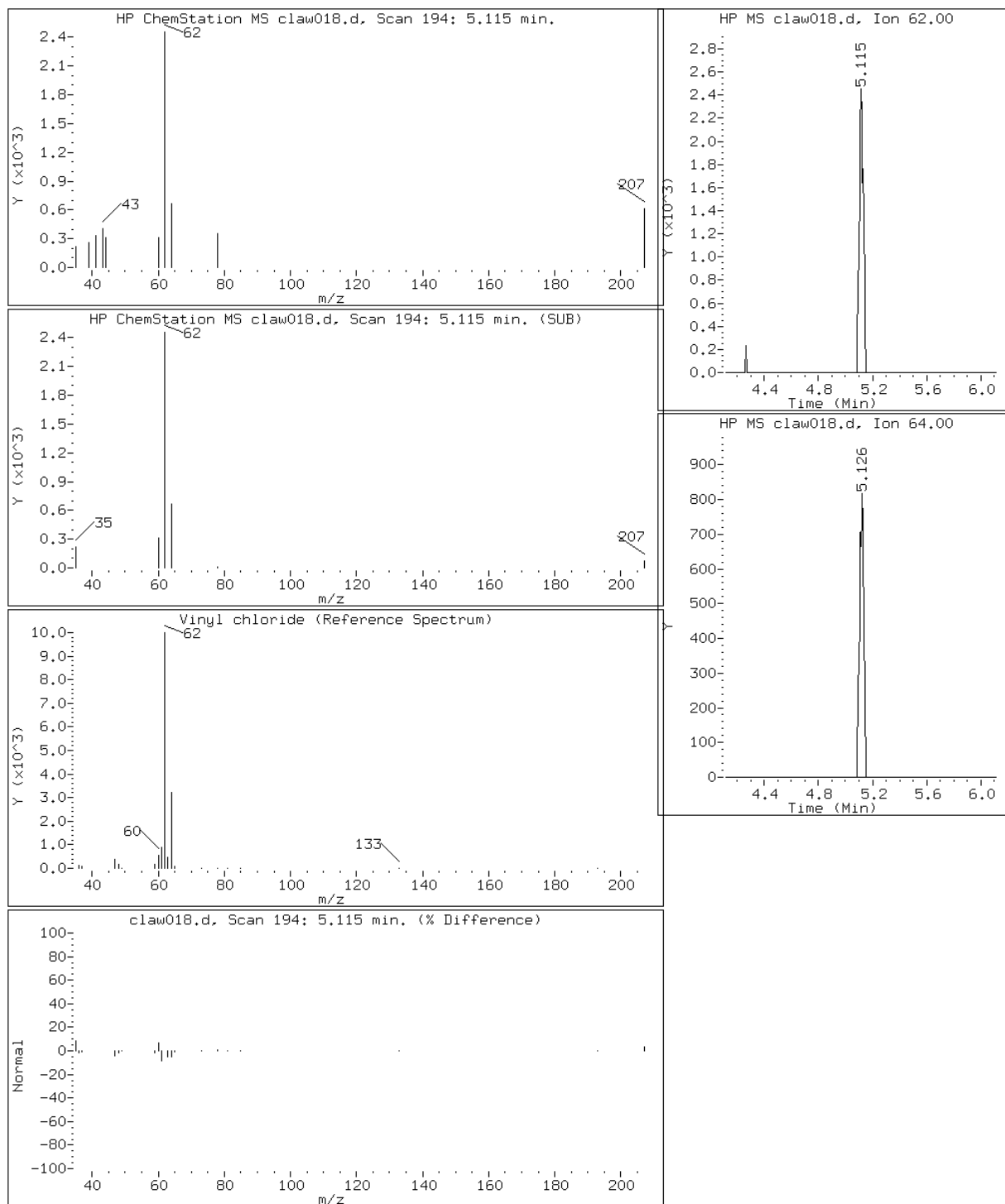
Client ID: AS Effluent-4Q12

Instrument: C.i

Sample Info: 480-26747-A-1

Operator: WRD

7 Vinyl chloride



Data File: claw018.d

Lab Sample ID: 480-26747-1

Date: 19-OCT-2012 07:25

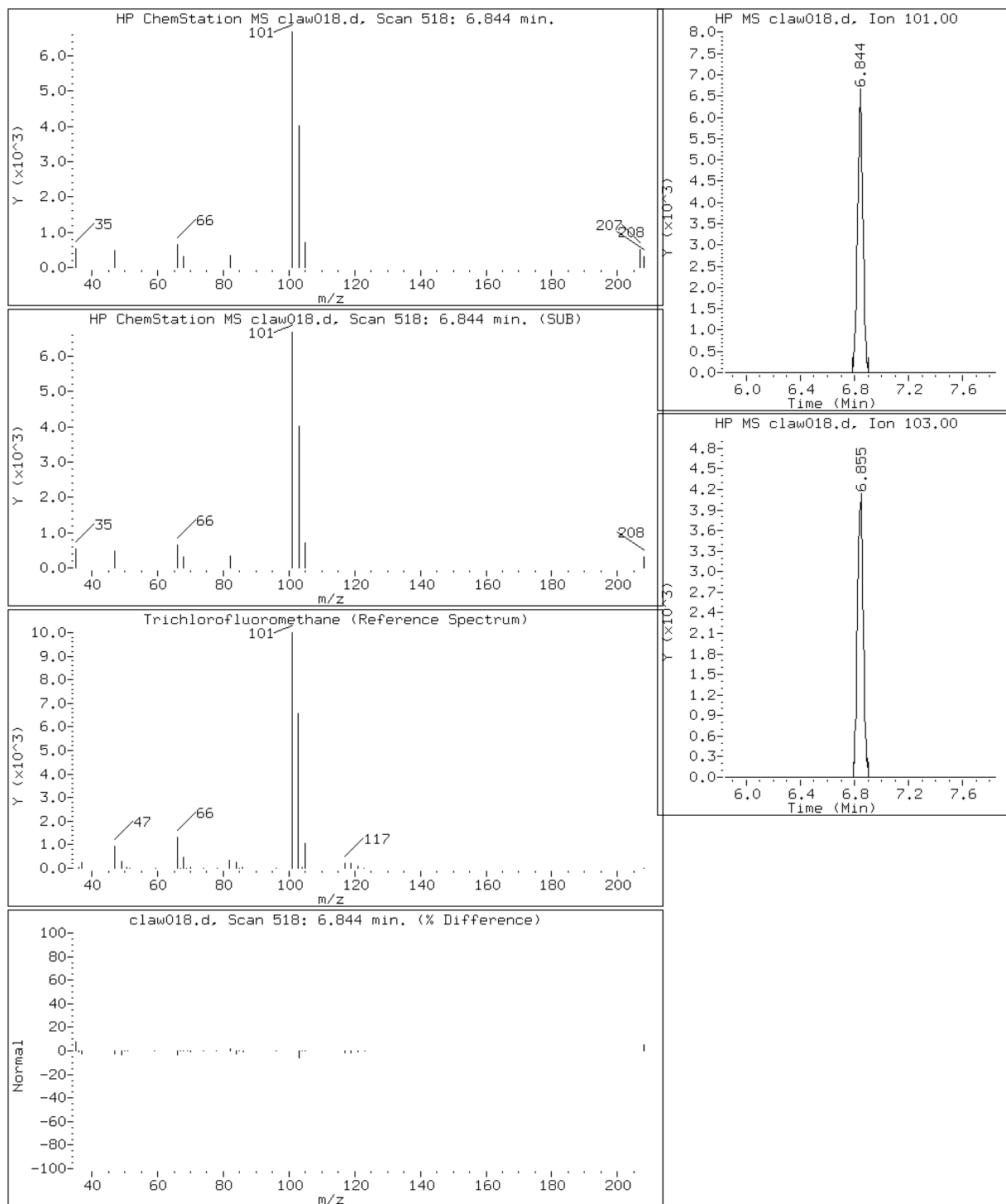
Client ID: AS Effluent-4Q12

Instrument: C.i

Sample Info: 480-26747-A-1

Operator: WRD

13 Trichlorofluoromethane



Data File: claw018.d

Lab Sample ID: 480-26747-1

Date: 19-OCT-2012 07:25

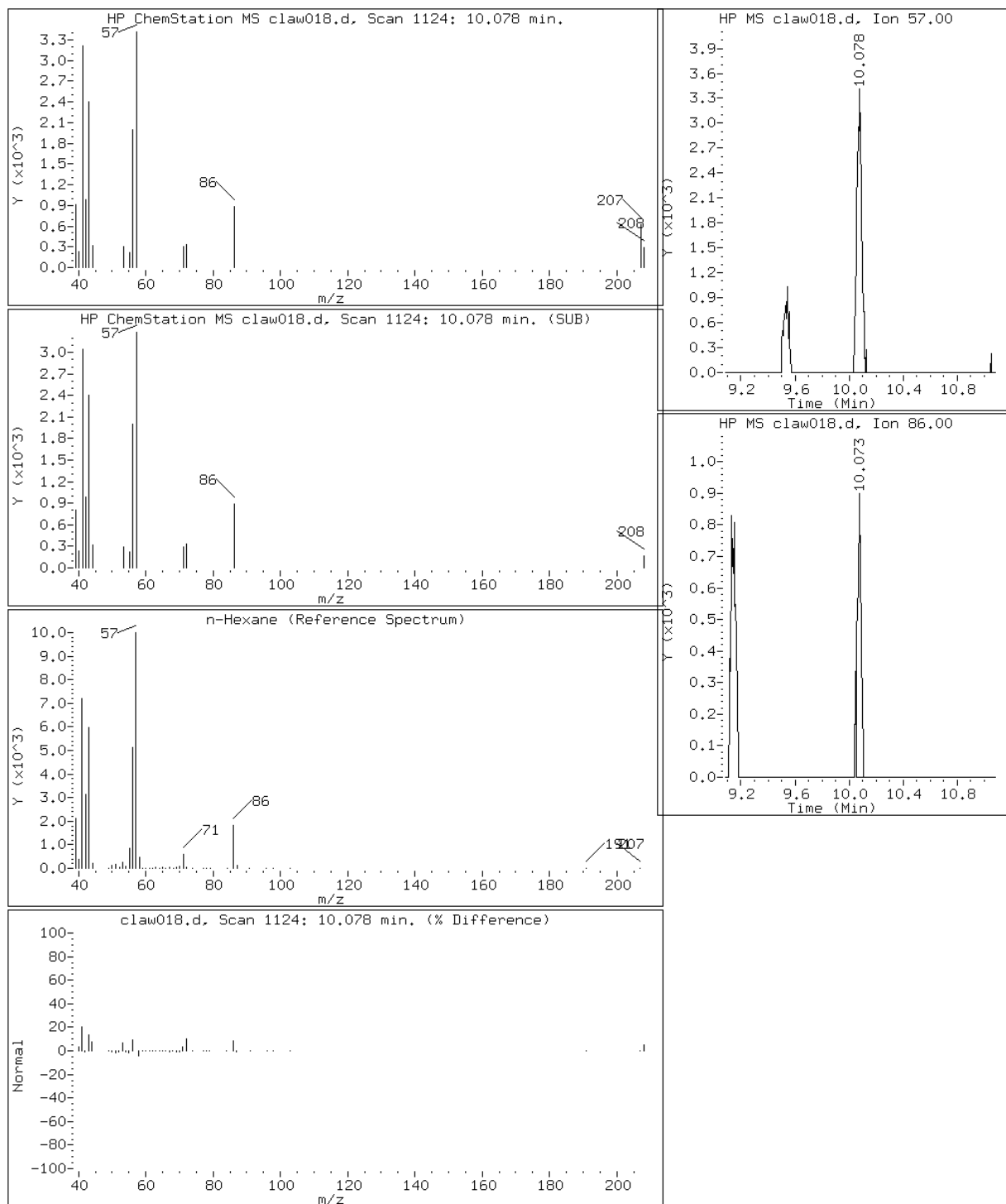
Client ID: AS Effluent-4Q12

Instrument: C.i

Sample Info: 480-26747-A-1

Operator: WRD

30 n-Hexane



Data File: claw018.d

Lab Sample ID: 480-26747-1

Date: 19-OCT-2012 07:25

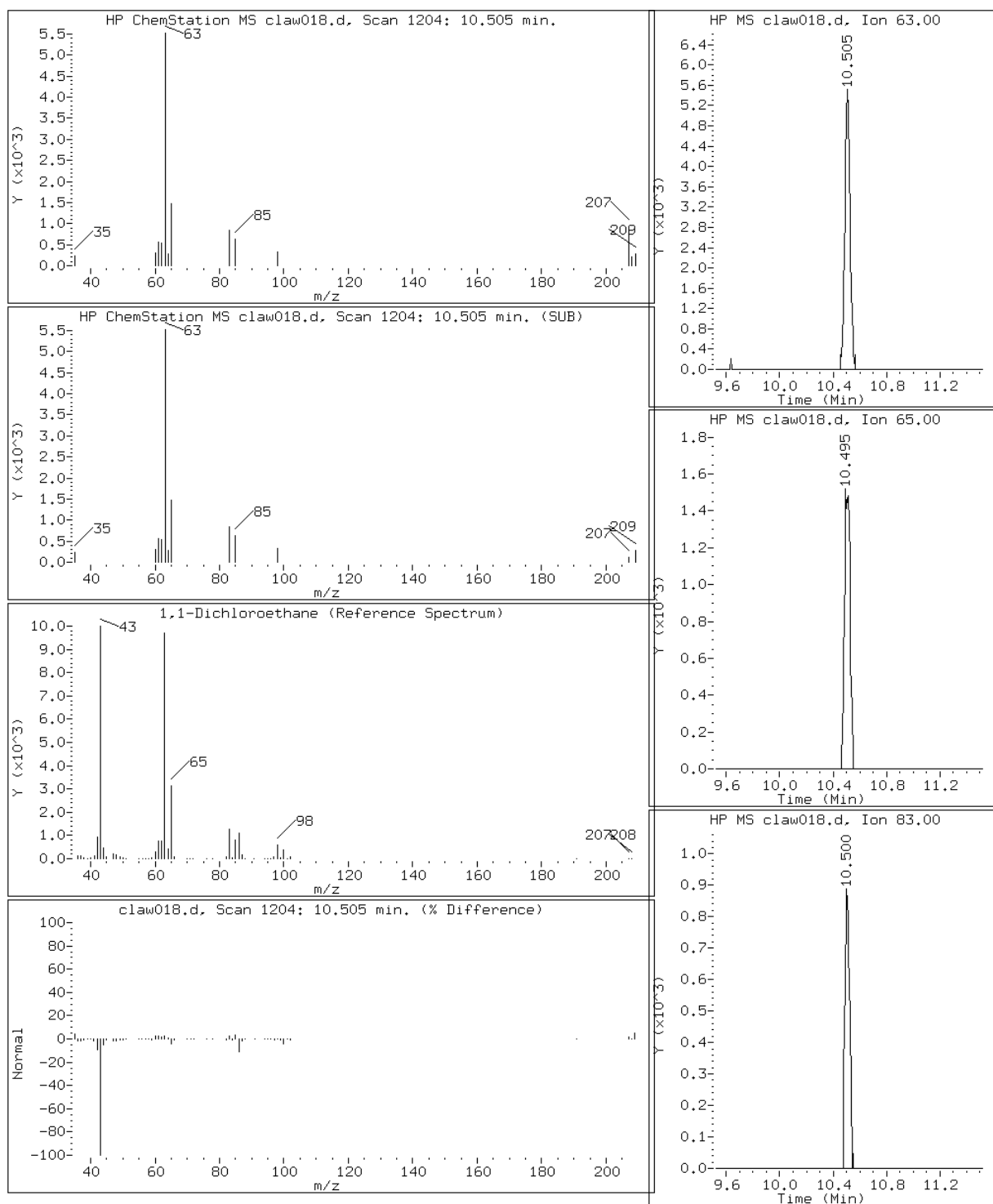
Client ID: AS Effluent-4Q12

Instrument: C.i

Sample Info: 480-26747-A-1

Operator: WRD

31 1,1-Dichloroethane



Data File: claw018.d

Lab Sample ID: 480-26747-1

Date: 19-OCT-2012 07:25

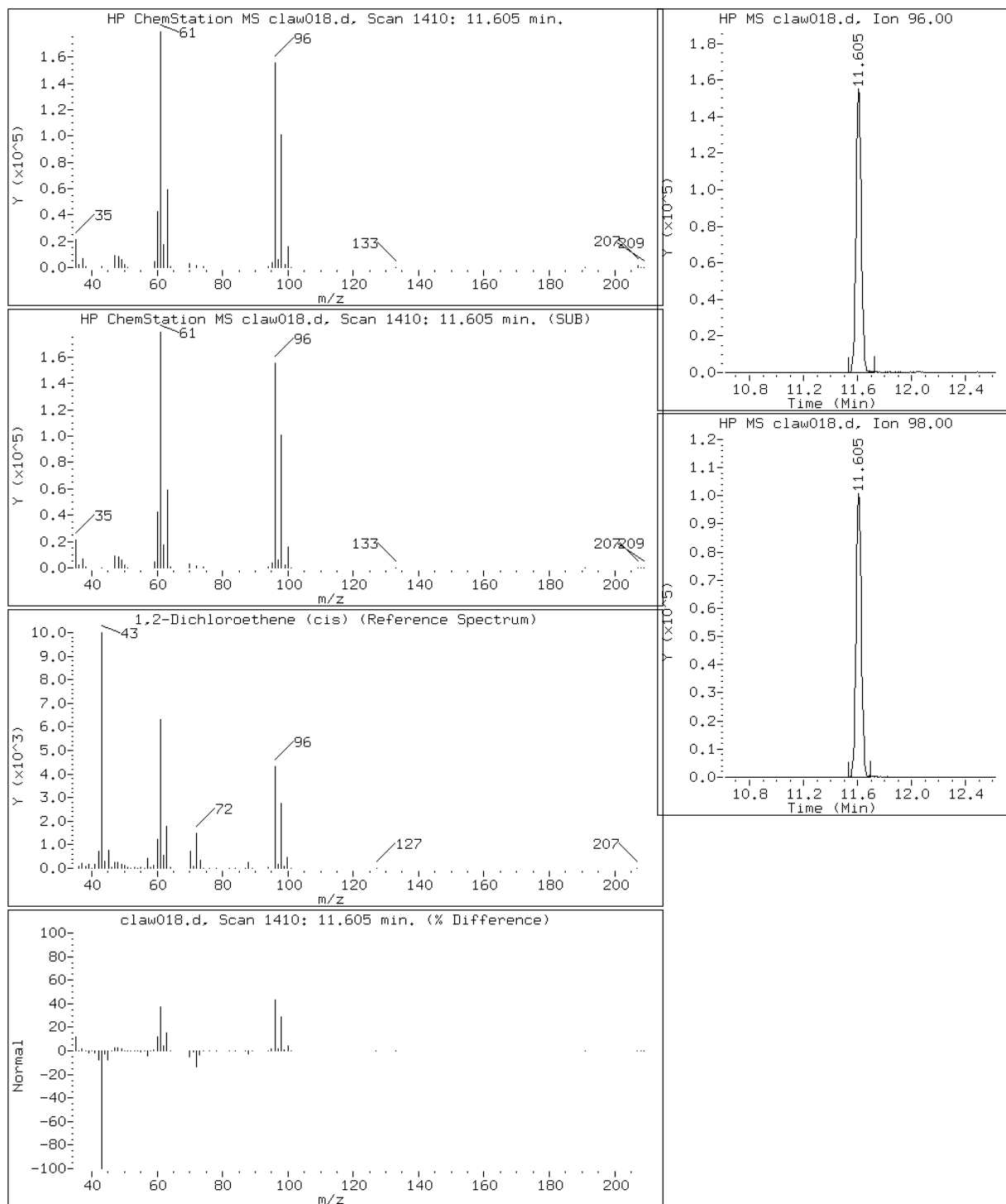
Client ID: AS Effluent-4Q12

Instrument: C.i

Sample Info: 480-26747-A-1

Operator: WRD

34 1,2-Dichloroethene (cis)



Data File: claw018.d

Lab Sample ID: 480-26747-1

Date: 19-OCT-2012 07:25

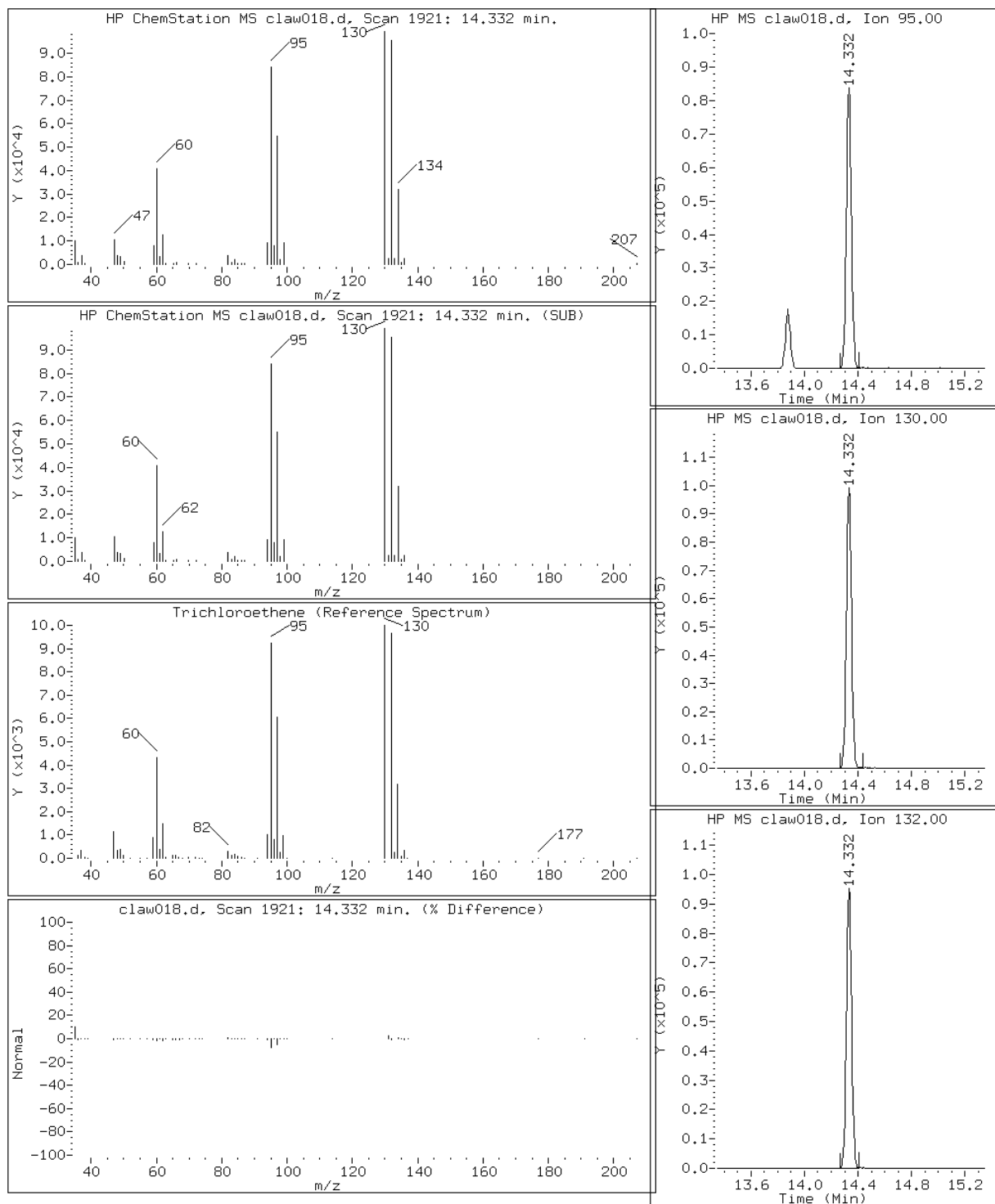
Client ID: AS Effluent-4Q12

Instrument: C.i

Sample Info: 480-26747-A-1

Operator: WRD

49 Trichloroethene



Data File: claw018.d

Lab Sample ID: 480-26747-1

Date: 19-OCT-2012 07:25

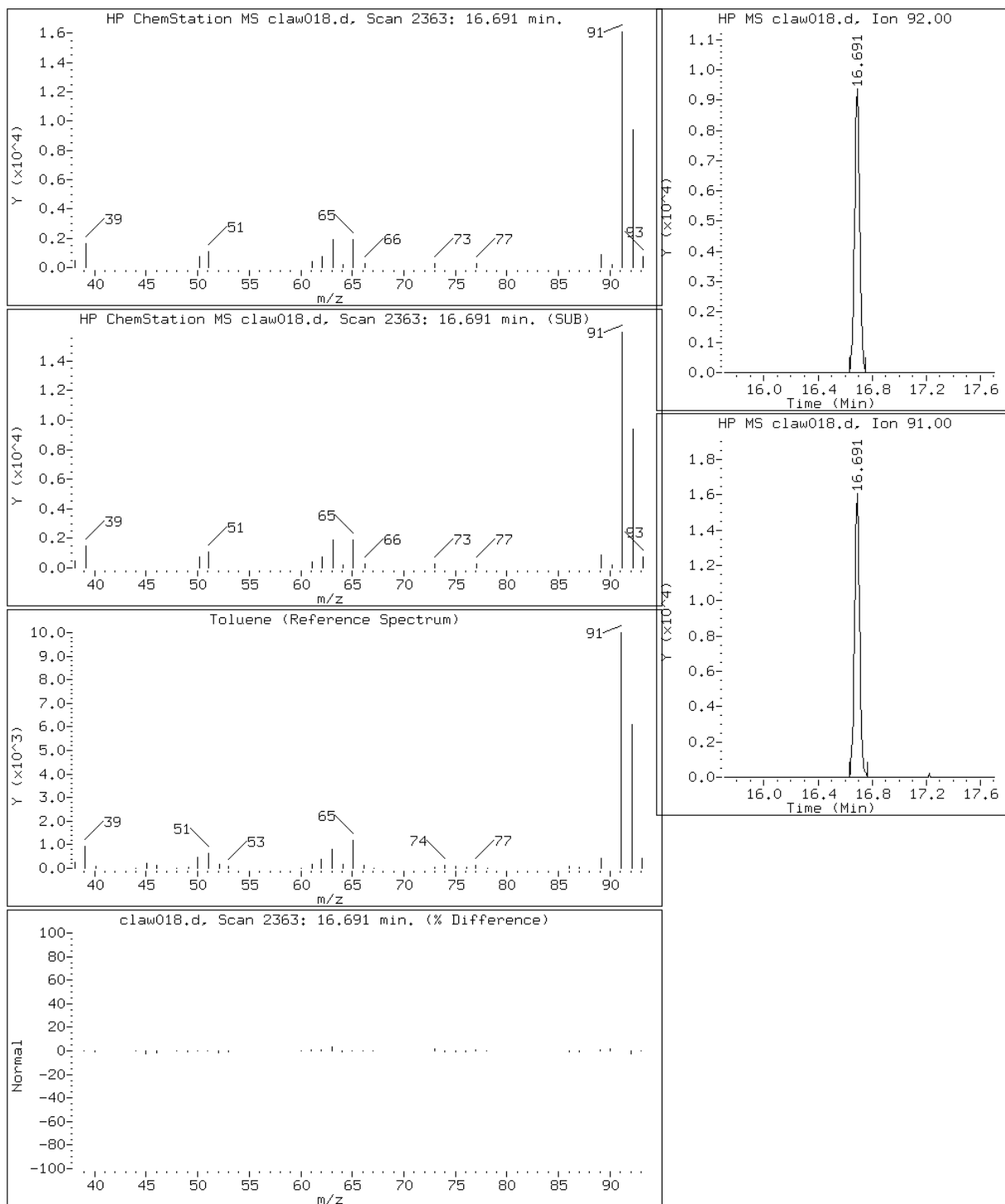
Client ID: AS Effluent-4Q12

Instrument: C.i

Sample Info: 480-26747-A-1

Operator: WRD

58 Toluene

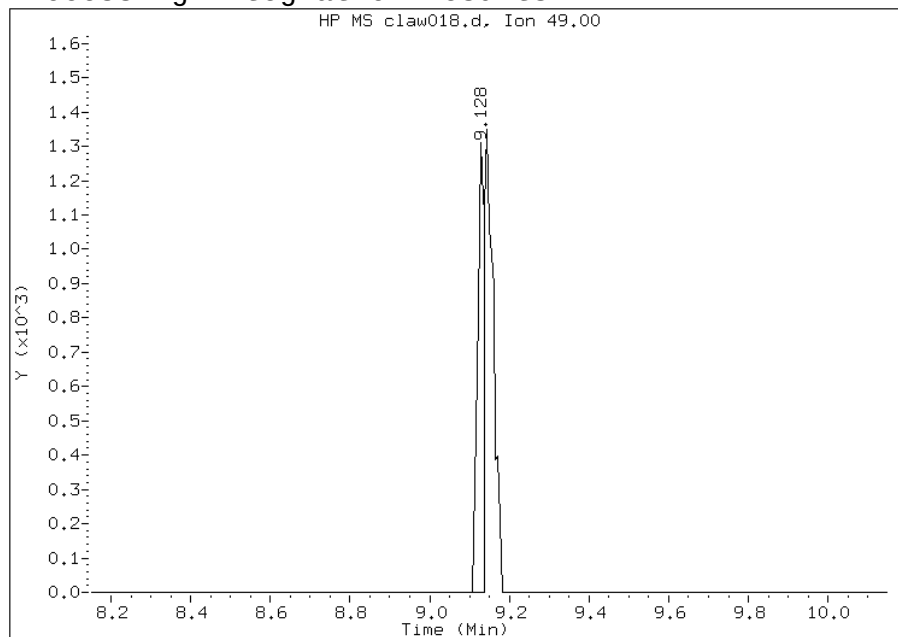


Manual Integration Report

Data File: claw018.d
Lab Sample ID: 480-26747-1
Inj. Date and Time: 19-OCT-2012 07:25
Instrument ID: C.i
Client ID: AS Effluent-4Q12
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 10/19/2012

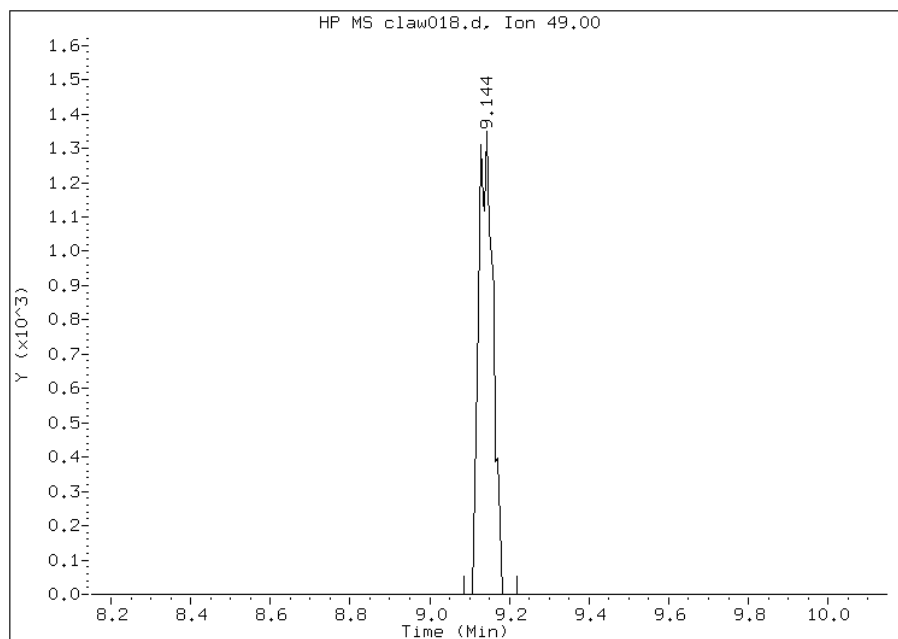
Processing Integration Results

RT: 9.13
Response: 1661
Amount: 0.088968
Conc: 0.088968



Manual Integration Results

RT: 9.14
Response: 3352
Amount: 0.179542
Conc: 0.179542



File Uploaded By: wrd
Manual Integration Reason: Baseline event

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

Lab Name: TestAmerica Burlington Job No.: 480-26747-1

SDG No.: _____

Client Sample ID: LRP Effluent-4Q12 Lab Sample ID: 480-26747-2

Matrix: Air Lab File ID: claw026.d

Analysis Method: TO-15 Date Collected: 10/11/2012 08:00

Sample wt/vol: 142 (mL) Date Analyzed: 10/19/2012 14:21

Soil Aliquot Vol: _____ Dilution Factor: 251

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

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

Analysis Batch No.: 46771 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		130	130
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		50	50
74-87-3	Chloromethane	50.49	ND		130	130
75-01-4	Vinyl chloride	62.50	550		50	50
106-99-0	1,3-Butadiene	54.09	ND		50	50
74-83-9	Bromomethane	94.94	ND		50	50
75-00-3	Chloroethane	64.52	ND		130	130
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		50	50
75-69-4	Trichlorofluoromethane	137.37	ND		50	50
76-13-1	Freon TF	187.38	ND		50	50
75-35-4	1,1-Dichloroethene	96.94	ND		50	50
67-64-1	Acetone	58.08	ND		1300	1300
67-63-0	Isopropyl alcohol	60.10	ND		1300	1300
75-15-0	Carbon disulfide	76.14	ND		130	130
107-05-1	3-Chloropropene	76.53	ND		130	130
75-09-2	Methylene Chloride	84.93	ND		130	130
75-65-0	tert-Butyl alcohol	74.12	ND		1300	1300
1634-04-4	Methyl tert-butyl ether	88.15	ND		50	50
156-60-5	trans-1,2-Dichloroethene	96.94	ND		50	50
110-54-3	n-Hexane	86.17	ND		50	50
75-34-3	1,1-Dichloroethane	98.96	240		50	50
78-93-3	Methyl Ethyl Ketone	72.11	ND		130	130
156-59-2	cis-1,2-Dichloroethene	96.94	6500		50	50
540-59-0	1,2-Dichloroethene, Total	96.94	6500		50	50
67-66-3	Chloroform	119.38	ND		50	50
109-99-9	Tetrahydrofuran	72.11	ND		1300	1300
71-55-6	1,1,1-Trichloroethane	133.41	130		50	50
110-82-7	Cyclohexane	84.16	ND		50	50
56-23-5	Carbon tetrachloride	153.81	ND		50	50
540-84-1	2,2,4-Trimethylpentane	114.23	ND		50	50
71-43-2	Benzene	78.11	ND		50	50
107-06-2	1,2-Dichloroethane	98.96	ND		50	50
142-82-5	n-Heptane	100.21	ND		50	50
79-01-6	Trichloroethene	131.39	6700		50	50

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

Lab Name: TestAmerica Burlington Job No.: 480-26747-1
 SDG No.: _____
 Client Sample ID: LRP Effluent-4Q12 Lab Sample ID: 480-26747-2
 Matrix: Air Lab File ID: claw026.d
 Analysis Method: TO-15 Date Collected: 10/11/2012 08:00
 Sample wt/vol: 142 (mL) Date Analyzed: 10/19/2012 14:21
 Soil Aliquot Vol: _____ Dilution Factor: 251
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 46771 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		50	50
123-91-1	1,4-Dioxane	88.11	ND		1300	1300
75-27-4	Bromodichloromethane	163.83	ND		50	50
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		50	50
108-10-1	methyl isobutyl ketone	100.16	ND		130	130
108-88-3	Toluene	92.14	ND		50	50
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		50	50
79-00-5	1,1,2-Trichloroethane	133.41	ND		50	50
127-18-4	Tetrachloroethene	165.83	ND		50	50
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		130	130
124-48-1	Dibromochloromethane	208.29	ND		50	50
106-93-4	1,2-Dibromoethane	187.87	ND		50	50
108-90-7	Chlorobenzene	112.30	ND		50	50
100-41-4	Ethylbenzene	106.17	ND		50	50
179601-23-1	m,p-Xylene	106.17	ND		130	130
95-47-6	Xylene, o-	106.17	ND		50	50
1330-20-7	Xylene (total)	106.17	ND		50	50
100-42-5	Styrene	104.15	ND		50	50
75-25-2	Bromoform	252.75	ND		50	50
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		50	50
622-96-8	4-Ethyltoluene	120.20	ND		50	50
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		50	50
95-49-8	2-Chlorotoluene	126.59	ND		50	50
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		50	50
541-73-1	1,3-Dichlorobenzene	147.00	ND		50	50
106-46-7	1,4-Dichlorobenzene	147.00	ND		50	50
95-50-1	1,2-Dichlorobenzene	147.00	ND		50	50
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		130	130
87-68-3	Hexachlorobutadiene	260.76	ND		50	50

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

Lab Name: TestAmerica Burlington Job No.: 480-26747-1

SDG No.: _____

Client Sample ID: LRP Effluent-4Q12 Lab Sample ID: 480-26747-2

Matrix: Air Lab File ID: claw026.d

Analysis Method: TO-15 Date Collected: 10/11/2012 08:00

Sample wt/vol: 142 (mL) Date Analyzed: 10/19/2012 14:21

Soil Aliquot Vol: _____ Dilution Factor: 251

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

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

Analysis Batch No.: 46771 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		620	620
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		350	350
74-87-3	Chloromethane	50.49	ND		260	260
75-01-4	Vinyl chloride	62.50	1400		130	130
106-99-0	1,3-Butadiene	54.09	ND		110	110
74-83-9	Bromomethane	94.94	ND		190	190
75-00-3	Chloroethane	64.52	ND		330	330
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		220	220
75-69-4	Trichlorofluoromethane	137.37	ND		280	280
76-13-1	Freon TF	187.38	ND		380	380
75-35-4	1,1-Dichloroethene	96.94	ND		200	200
67-64-1	Acetone	58.08	ND		3000	3000
67-63-0	Isopropyl alcohol	60.10	ND		3100	3100
75-15-0	Carbon disulfide	76.14	ND		390	390
107-05-1	3-Chloropropene	76.53	ND		390	390
75-09-2	Methylene Chloride	84.93	ND		440	440
75-65-0	tert-Butyl alcohol	74.12	ND		3800	3800
1634-04-4	Methyl tert-butyl ether	88.15	ND		180	180
156-60-5	trans-1,2-Dichloroethene	96.94	ND		200	200
110-54-3	n-Hexane	86.17	ND		180	180
75-34-3	1,1-Dichloroethane	98.96	980		200	200
78-93-3	Methyl Ethyl Ketone	72.11	ND		370	370
156-59-2	cis-1,2-Dichloroethene	96.94	26000		200	200
540-59-0	1,2-Dichloroethene, Total	96.94	26000		200	200
67-66-3	Chloroform	119.38	ND		250	250
109-99-9	Tetrahydrofuran	72.11	ND		3700	3700
71-55-6	1,1,1-Trichloroethane	133.41	710		270	270
110-82-7	Cyclohexane	84.16	ND		170	170
56-23-5	Carbon tetrachloride	153.81	ND		320	320
540-84-1	2,2,4-Trimethylpentane	114.23	ND		230	230
71-43-2	Benzene	78.11	ND		160	160
107-06-2	1,2-Dichloroethane	98.96	ND		200	200
142-82-5	n-Heptane	100.21	ND		210	210
79-01-6	Trichloroethene	131.39	36000		270	270

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

Lab Name: TestAmerica Burlington Job No.: 480-26747-1
 SDG No.: _____
 Client Sample ID: LRP Effluent-4Q12 Lab Sample ID: 480-26747-2
 Matrix: Air Lab File ID: claw026.d
 Analysis Method: TO-15 Date Collected: 10/11/2012 08:00
 Sample wt/vol: 142 (mL) Date Analyzed: 10/19/2012 14:21
 Soil Aliquot Vol: _____ Dilution Factor: 251
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 46771 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		230	230
123-91-1	1,4-Dioxane	88.11	ND		4500	4500
75-27-4	Bromodichloromethane	163.83	ND		340	340
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		230	230
108-10-1	methyl isobutyl ketone	100.16	ND		510	510
108-88-3	Toluene	92.14	ND		190	190
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		230	230
79-00-5	1,1,2-Trichloroethane	133.41	ND		270	270
127-18-4	Tetrachloroethene	165.83	ND		340	340
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		510	510
124-48-1	Dibromochloromethane	208.29	ND		430	430
106-93-4	1,2-Dibromoethane	187.87	ND		390	390
108-90-7	Chlorobenzene	112.30	ND		230	230
100-41-4	Ethylbenzene	106.17	ND		220	220
179601-23-1	m,p-Xylene	106.17	ND		540	540
95-47-6	Xylene, o-	106.17	ND		220	220
1330-20-7	Xylene (total)	106.17	ND		220	220
100-42-5	Styrene	104.15	ND		210	210
75-25-2	Bromoform	252.75	ND		520	520
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		340	340
622-96-8	4-Ethyltoluene	120.20	ND		250	250
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		250	250
95-49-8	2-Chlorotoluene	126.59	ND		260	260
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		250	250
541-73-1	1,3-Dichlorobenzene	147.00	ND		300	300
106-46-7	1,4-Dichlorobenzene	147.00	ND		300	300
95-50-1	1,2-Dichlorobenzene	147.00	ND		300	300
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		930	930
87-68-3	Hexachlorobutadiene	260.76	ND		540	540

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 480-26747-2
Client Smp ID: LRP Effluent-4Q12
Inj Date : 19-OCT-2012 14:21
Operator : WRD
Smp Info : 480-26747-A-2
Misc Info : 142,251, all, CDF 177.97
Comment :
Method : /chem/C.i/Csvr.p/clawto15.b/to15v5.m
Meth Date : 19-Oct-2012 16:59 wrd
Cal Date : 19-SEP-2012 20:06
Als bottle: 16
Dil Factor: 251.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: C.i
Quant Type: ISTD
Cal File: cla010.d
Compound Sublist: allT015.sub

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

Name	Value	Description
DF	251.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	142.00000	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							
7 Vinyl chloride	62	5.104	5.115	(0.424)	37777	2.18548		550
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	8.040	8.050	(0.667)	3816	0.18124	45(aQ)
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				Compound Not Detected.		
29 Acrylonitrile	53				Compound Not Detected.		
30 n-Hexane	57				Compound Not Detected.		
31 1,1-Dichloroethane	63	10.495	10.521	(0.871)	33362	0.96484	240
32 Vinyl acetate	43				Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61				635432	25.7680	6500
34 1,2-Dichloroethene (cis)	96	11.599	11.621	(0.963)	635432	25.7680	6500
35 Ethyl acetate	88				Compound Not Detected.		
36 Methyl Ethyl Ketone	72				Compound Not Detected.		
* 37 Bromochloromethane	128	12.048	12.069	(1.000)	238256	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	12.485	12.501	(0.900)	28880	0.51915	130
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	13.873	13.894	(1.000)	1316705	10.0000	
48 n-Butanol	56				Compound Not Detected.		
49 Trichloroethene	95	14.327	14.348	(1.033)	911346	26.7422	6700
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	16.685	16.707	(0.860)	5943	0.11464	29(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.		

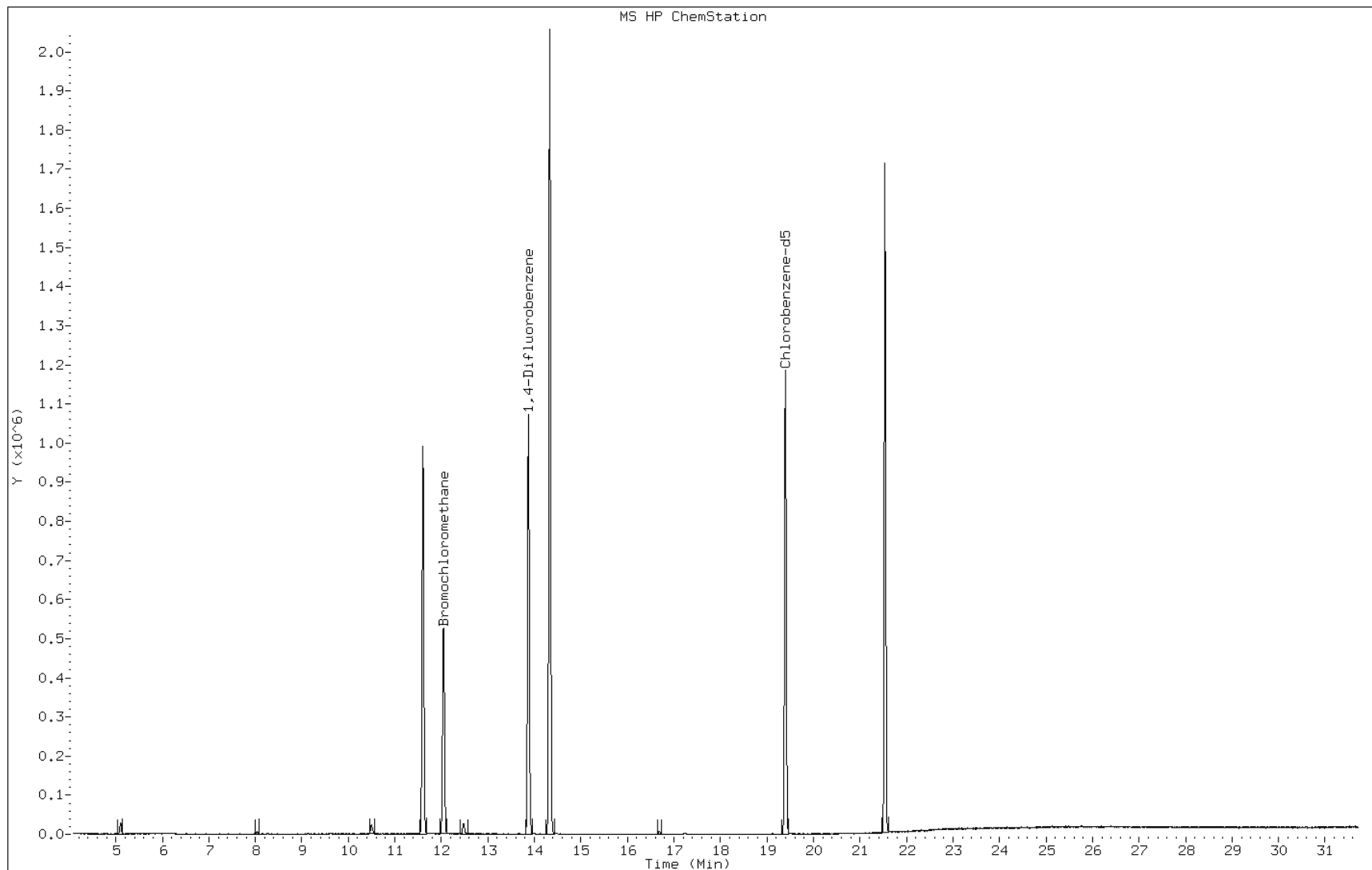
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	19.397	19.418	(1.000)	1131881	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.

Data File: claw026.d
Client ID: LRP Effluent-4Q12
Operator: WRD
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 480-26747-A-2
Lab Sample ID: 480-26747-2

Date: 19-OCT-2012 14:21
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



Data File: claw026.d

Lab Sample ID: 480-26747-2

Date: 19-OCT-2012 14:21

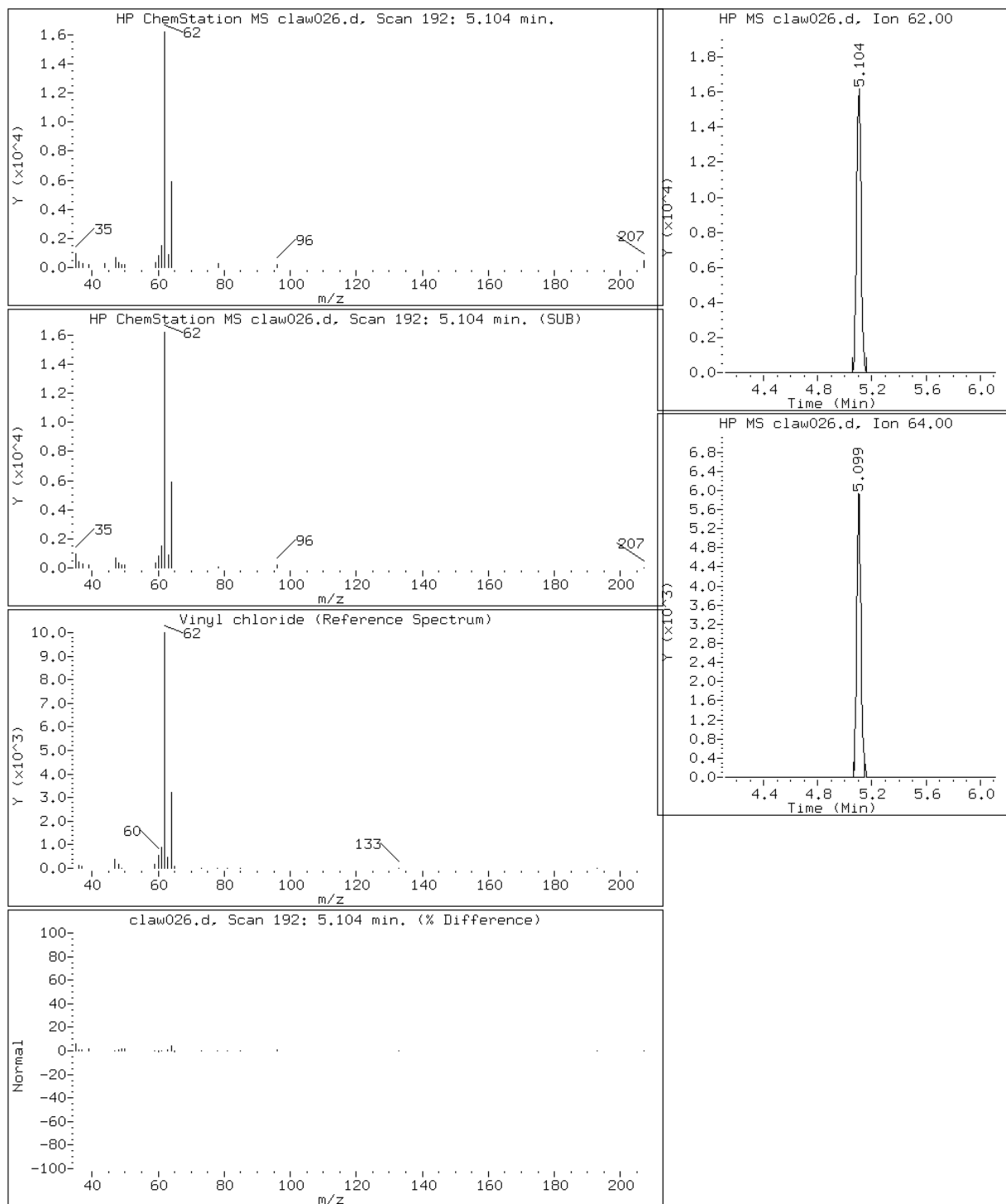
Client ID: LRP Effluent-4Q12

Instrument: C.i

Sample Info: 480-26747-A-2

Operator: WRD

7 Vinyl chloride



Data File: claw026.d

Lab Sample ID: 480-26747-2

Date: 19-OCT-2012 14:21

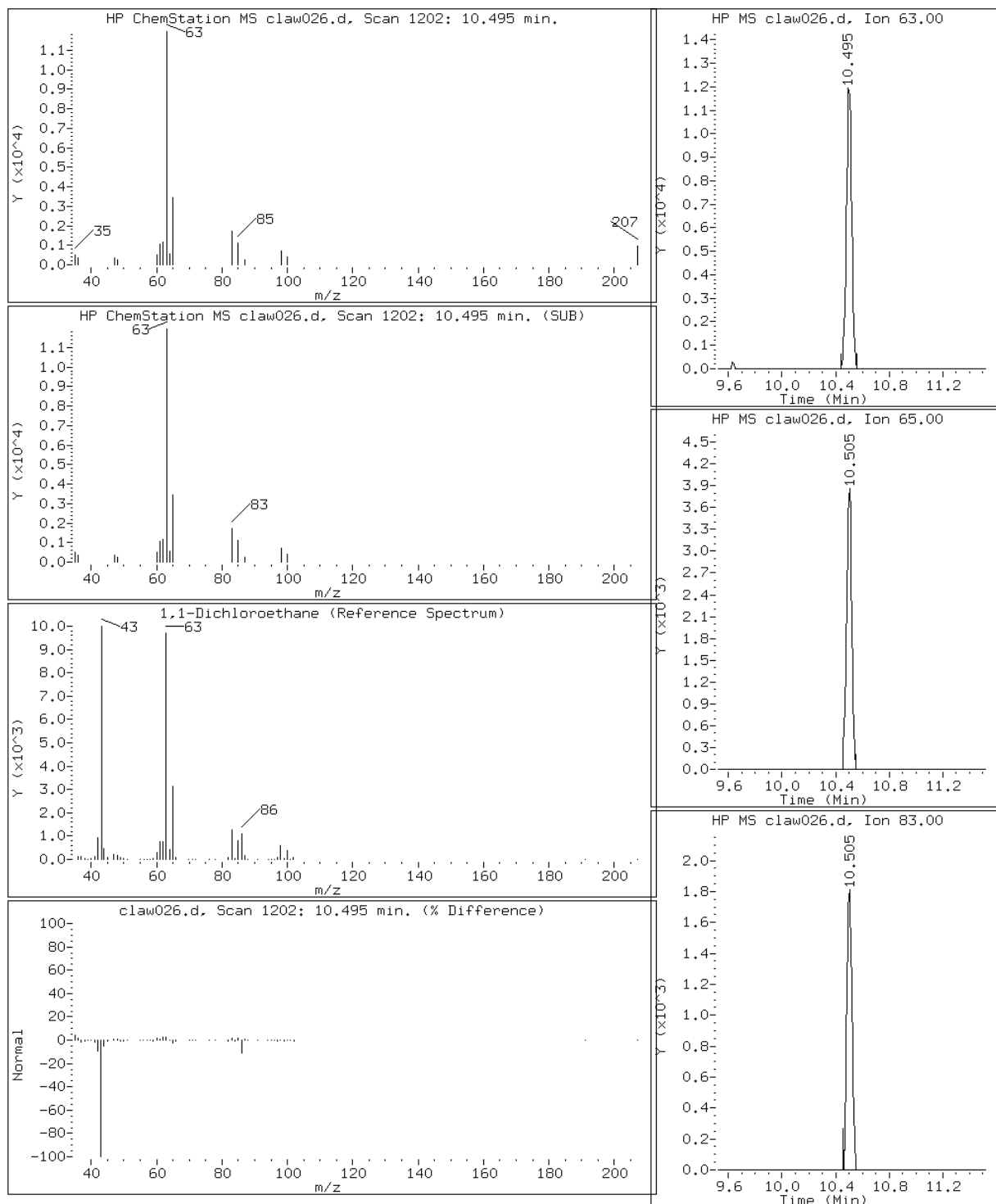
Client ID: LRP Effluent-4Q12

Instrument: C.i

Sample Info: 480-26747-A-2

Operator: WRD

31 1,1-Dichloroethane



Data File: claw026.d

Lab Sample ID: 480-26747-2

Date: 19-OCT-2012 14:21

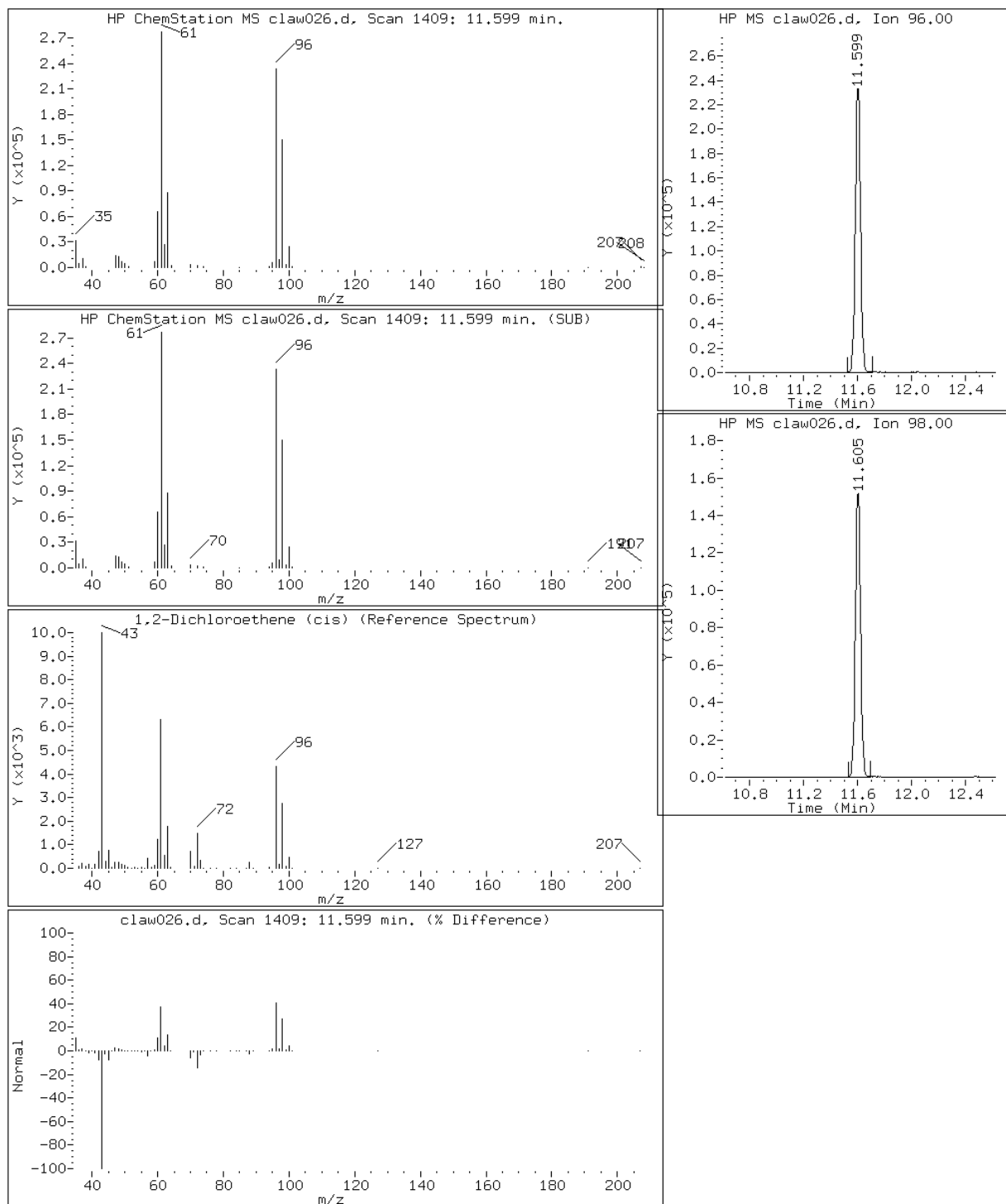
Client ID: LRP Effluent-4Q12

Instrument: C.i

Sample Info: 480-26747-A-2

Operator: WRD

34 1,2-Dichloroethene (cis)



Data File: claw026.d

Lab Sample ID: 480-26747-2

Date: 19-OCT-2012 14:21

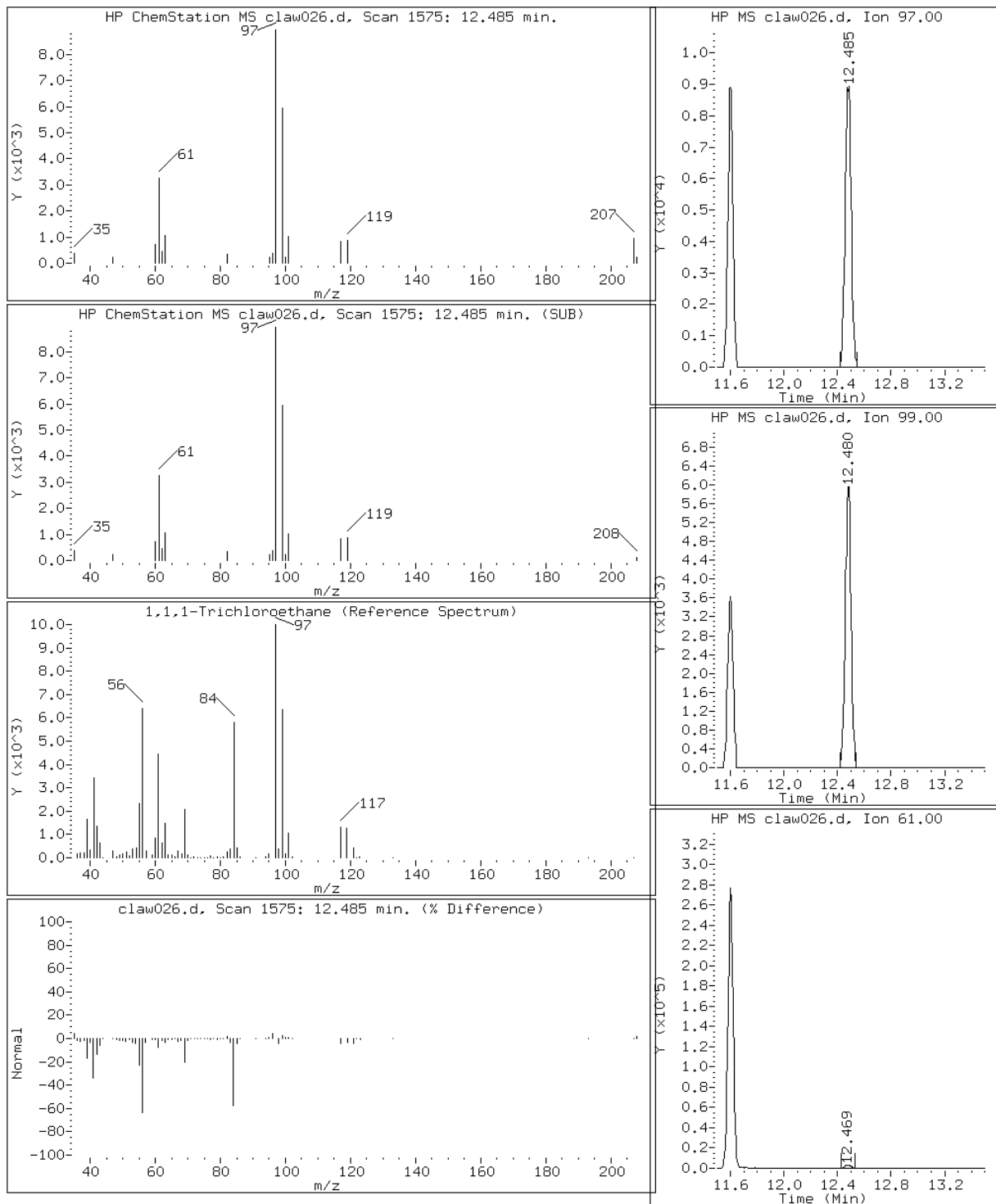
Client ID: LRP Effluent-4Q12

Instrument: C.i

Sample Info: 480-26747-A-2

Operator: WRD

41 1,1,1-Trichloroethane



Data File: claw026.d

Lab Sample ID: 480-26747-2

Date: 19-OCT-2012 14:21

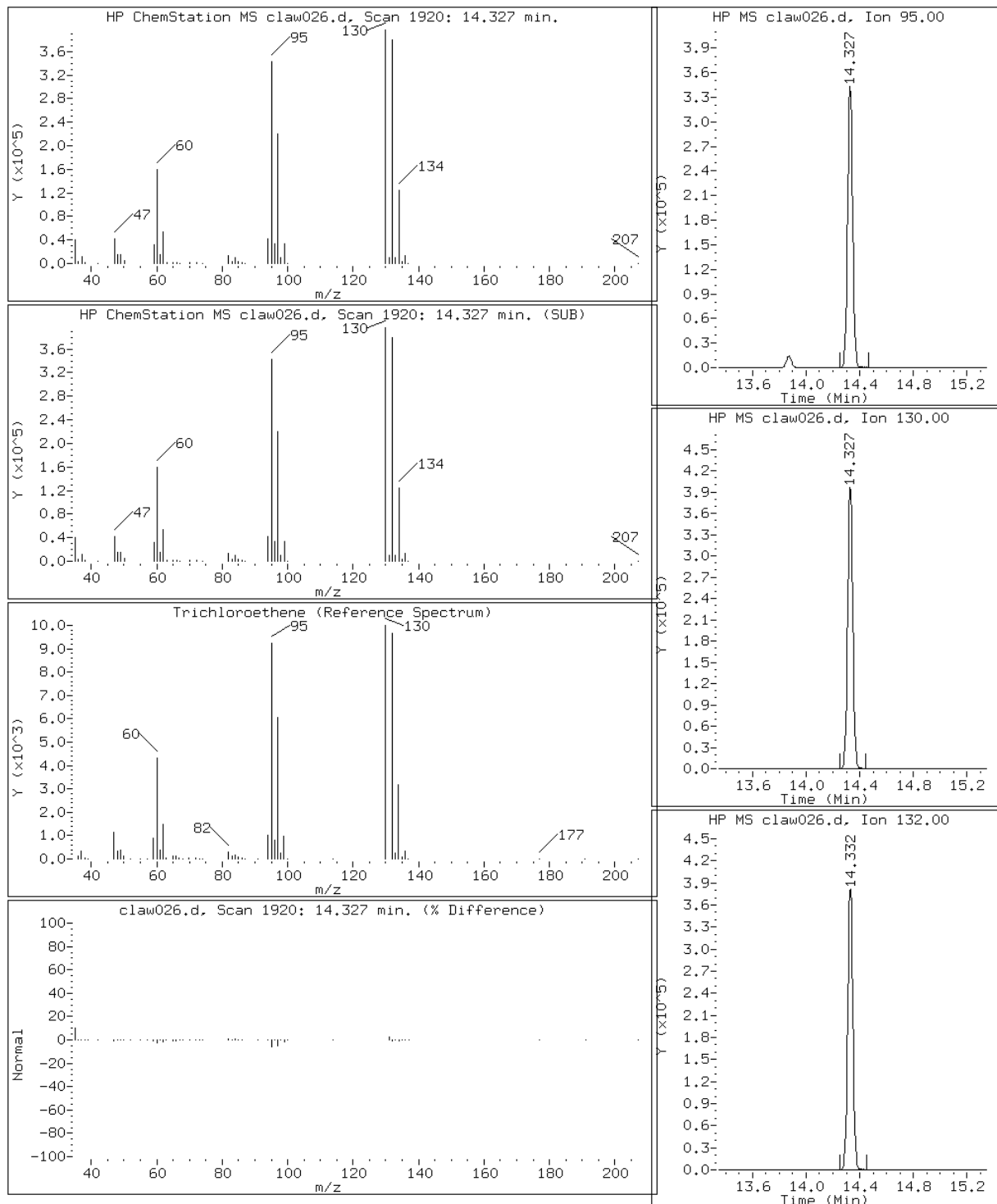
Client ID: LRP Effluent-4Q12

Instrument: C.i

Sample Info: 480-26747-A-2

Operator: WRD

49 Trichloroethene



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

Lab Name: TestAmerica Burlington Job No.: 480-26747-1 Analy Batch No.: 45233

SDG No.: _____

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

Calibration Start Date: 09/19/2012 13:52 Calibration End Date: 09/19/2012 20:06 Calibration ID: 17700

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-45233/3	cla003.d
Level 2	IC 200-45233/4	cla004.d
Level 3	IC 200-45233/5	cla005.d
Level 4	IC 200-45233/6	cla006.d
Level 5	ICIS 200-45233/7	cla007.d
Level 6	IC 200-45233/8	cla008.d
Level 7	IC 200-45233/9	cla009.d
Level 8	IC 200-45233/10	cla010.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	++++ 0.4409	++++ 0.4330	0.5358 0.4155	0.5066	0.4498	Ave		0.4636				10.1		30.0			
Dichlorodifluoromethane	++++ 2.5306	++++ 2.4825	2.6252 2.3962	2.7603	2.4875	Ave		2.5470				5.0		30.0			
Freon 22	++++ 1.1012	++++ 1.0787	1.1789 1.0398	1.2345	1.0965	Ave		1.1216				6.4		30.0			
1,2-Dichlorotetrafluoroethane	++++ 2.5120	2.7741 2.4832	2.5096 2.4249	2.6601	2.4589	Ave		2.5461				4.9		30.0			
Chloromethane	++++ 0.5287	++++ 0.5233	0.5863 0.5064	0.5682	0.5331	Ave		0.5410				5.6		30.0			
n-Butane	++++ 0.9035	++++ 0.9262	0.8697 0.8987	0.9793	0.9184	Ave		0.9159				4.0		30.0			
1,3-Butadiene	++++ 0.4964	0.5014 0.5088	0.4605 0.4990	0.5046	0.4799	Ave		0.4930				3.4		30.0			
Vinyl chloride	0.8301 0.7059	0.7308 0.7196	0.6926 0.7065	0.7218	0.6968	Ave		0.7255				6.1		30.0			
Bromomethane	++++ 0.7922	0.8695 0.7806	0.8166 0.7650	0.8321	0.7246	Ave		0.7972				5.9		30.0			
Chloroethane	++++ 0.3512	++++ 0.3584	0.3630 0.3478	0.3661	0.3141	Ave		0.3501				5.4		30.0			
Ethanol	++++ 0.1719	++++ 0.1674	0.1625 0.1669	0.1673	0.1333	Ave		0.1615				8.8		30.0			
Isopentane	++++ 0.6557	0.7151 0.6536	0.6481 0.6429	0.6837	0.5845	Ave		0.6548				6.1		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.9228	0.9194 0.9233	0.8703 0.9153	0.9536	0.8398	Ave		0.9063				4.2		30.0			
Acrolein	++++ 0.2194	++++ 0.2060	++++ 0.2049	0.2140	0.1970	Ave		0.2083				4.2		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 480-26747-1 Analy Batch No.: 45233

SDG No.: _____

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

Calibration Start Date: 09/19/2012 13:52 Calibration End Date: 09/19/2012 20:06 Calibration ID: 17700

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								
Trichlorofluoromethane	+++++ 2.6563	2.8117 2.6170	2.6877 2.5634	2.8409	2.5148	Ave		2.6703				4.5		30.0			
n-Pentane	+++++ 1.0544	1.0246 1.0477	1.0246 1.0124	1.1257	0.9551	Ave		1.0366				5.4		30.0			
Isopropyl alcohol	+++++ 0.6249	+++++ 0.6068	+++++ 0.5949	0.6614	0.6980	Ave		0.6372				6.6		30.0			
Ethyl ether	+++++ 0.4931	0.4682 0.4785	0.4724 0.4702	0.5088	0.4832	Ave		0.4821				3.0		30.0			
Freon TF	+++++ 1.8535	1.9589 1.8470	1.8635 1.8072	1.9486	1.7339	Ave		1.8590				4.2		30.0			
tert-Butyl alcohol	+++++ 1.0844	+++++ 1.1019	+++++ 1.0535	1.2174	1.3005	Ave		1.1515				9.0		30.0			
1,1-Dichloroethene	+++++ 0.8717	0.9704 0.8729	0.9009 0.8612	0.9097	0.7992	Ave		0.8837				5.9		30.0			
Acetone	+++++ 0.9056	+++++ 0.8403	+++++ 0.8109	1.1405	1.0570	Ave		0.9509				15.0		30.0			
Carbon disulfide	+++++ 2.2869	+++++ 2.2836	2.2280 2.2339	2.3333	2.1268	Ave		2.2488				3.2		30.0			
3-Chloropropene	+++++ 0.7947	0.8067 0.7739	0.7199 0.7591	0.8449	0.7106	Ave		0.7728				6.2		30.0			
Acetonitrile	+++++ 0.3253	+++++ 0.3059	+++++ 0.2959	0.3469	0.3583	Ave		0.3265				8.1		30.0			
Methylene Chloride	+++++ 0.6788	+++++ 0.6648	0.8112 0.6399	0.7305	0.6322	Ave		0.6929				9.8		30.0			
Methyl tert-butyl ether	+++++ 2.4409	2.6497 2.3543	2.3636 2.2996	2.5475	2.4865	Ave		2.4489				5.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.1424	1.1503 1.1370	1.0937 1.0990	1.2003	1.0795	Ave		1.1289				3.7		30.0			
Acrylonitrile	+++++ 0.4182	+++++ 0.3981	0.4097 0.4005	0.4411	0.4170	Ave		0.4141				3.8		30.0			
Ethyl acetate	+++++ 0.0774	+++++ 0.0777	+++++ 0.0754	0.0833	0.0822	Ave		0.0792				4.3		30.0			
n-Hexane	+++++ 1.1584	1.2313 1.1443	1.1122 1.1134	1.2033	1.0576	Ave		1.1458				5.1		30.0			
n-Butanol	+++++ 0.0459	+++++ 0.0480	+++++ 0.0503	0.0504	0.0496	Ave		0.0489				3.9		30.0			
1,1-Dichloroethane	+++++ 1.4543	1.5678 1.4269	1.4423 1.3830	1.5255	1.3591	Ave		1.4513				5.1		30.0			
Vinyl acetate	+++++ 1.4765	+++++ 1.4015	+++++ 1.3882	1.5400	1.4839	Ave		1.4580				4.3		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.: 480-26747-1 Analy Batch No.: 45233

SDG No.: _____

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

Calibration Start Date: 09/19/2012 13:52 Calibration End Date: 09/19/2012 20:06 Calibration ID: 17700

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	+++++ 1.0109	1.1411 1.0158	1.0464 0.9905	1.0736	0.9669	Ave		1.0350				5.6		30.0			
Methyl Ethyl Ketone	+++++ 0.3685	+++++ 0.3531	0.4842 0.3481	0.3952	0.3897	Ave		0.3898				12.8		30.0			
Tetrahydrofuran	+++++ 0.1126	+++++ 0.1078	+++++ 0.1060	0.1188	0.1179	Ave		0.1126				5.1		30.0			
Chloroform	+++++ 1.9830	2.1287 1.9658	2.0170 1.9236	2.1155	1.9100	Ave		2.0062				4.3		30.0			
1,1,1-Trichloroethane	+++++ 0.4199	0.4420 0.4169	0.4073 0.4172	0.4482	0.4059	Ave		0.4225				3.9		30.0			
Cyclohexane	+++++ 0.2490	0.2528 0.2471	0.2282 0.2488	0.2532	0.2328	Ave		0.2446				4.1		30.0			
Benzene	+++++ 0.5070	0.5819 0.5071	0.4920 0.5087	0.5235	0.4767	Ave		0.5138				6.5		30.0			
2,2,4-Trimethylpentane	+++++ 0.6782	0.6728 0.6775	0.6374 0.6771	0.6989	0.6359	Ave		0.6682				3.5		30.0			
1,2-Dichloroethane	+++++ 0.2404	0.2515 0.2358	0.2384 0.2330	0.2612	0.2356	Ave		0.2423				4.2		30.0			
n-Heptane	+++++ 0.2194	0.2225 0.2187	0.2232 0.2139	0.2332	0.2101	Ave		0.2201				3.4		30.0			
Carbon tetrachloride	0.4118 0.4434	0.4411 0.4420	0.4148 0.4478	0.4678	0.4297	Ave		0.4373				4.2		30.0			
1,2-Dichloropropane	+++++ 0.1580	0.1646 0.1557	0.1501 0.1533	0.1601	0.1485	Ave		0.1558				3.6		30.0			
Methyl methacrylate	+++++ 0.1503	+++++ 0.1469	0.1102 0.1490	0.1447	0.1538	Ave		0.1425				11.3		30.0			
1,4-Dioxane	+++++ 0.0668	+++++ 0.0658	+++++ 0.0637	0.0674	0.0818	Ave		0.0691				10.5		30.0			
Dibromomethane	+++++ 0.2327	0.2305 0.2320	0.2135 0.2327	0.2430	0.2287	Ave		0.2305				3.8		30.0			
Bromodichloromethane	+++++ 0.4088	0.3689 0.4040	0.3547 0.4036	0.4243	0.3904	Ave		0.3935				6.1		30.0			
cis-1,3-Dichloropropene	+++++ 0.2911	0.2808 0.2866	0.2573 0.2859	0.2932	0.2763	Ave		0.2816				4.3		30.0			
methyl isobutyl ketone	+++++ 0.2182	+++++ 0.2200	0.1889 0.2139	0.2222	0.2216	Ave		0.2141				5.9		30.0			
Trichloroethene	0.2982 0.2548	0.2526 0.2559	0.2493 0.2564	0.2618	0.2414	Ave		0.2588				6.6		30.0			
Toluene	+++++ 0.4476	0.4823 0.4437	0.4626 0.4587	0.4748	0.4363	Ave		0.4580				3.7		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.: 480-26747-1 Analy Batch No.: 45233

SDG No.: _____

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

Calibration Start Date: 09/19/2012 13:52 Calibration End Date: 09/19/2012 20:06 Calibration ID: 17700

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	++++ 0.3082	0.3184 0.2994	0.3048 0.2949	0.3291	0.2931	Ave		0.3068				4.3		30.0			
trans-1,3-Dichloropropene	++++ 0.2998	0.2816 0.2907	0.2751 0.2951	0.3056	0.2924	Ave		0.2915				3.6		30.0			
1,1,2-Trichloroethane	++++ 0.1890	0.1956 0.1870	0.1857 0.1913	0.2031	0.1842	Ave		0.1909				3.5		30.0			
Tetrachloroethene	++++ 0.4054	0.4257 0.4100	0.4208 0.4233	0.4454	0.3988	Ave		0.4185				3.7		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.2109	++++ 0.2291	0.1778 0.2273	0.2251	0.2091	Ave		0.2132				9.1		30.0			
Dibromochloromethane	++++ 0.4695	0.3835 0.4739	0.3737 0.4926	0.4887	0.4498	Ave		0.4474				11.0		30.0			
1,2-Dibromoethane	++++ 0.4029	0.3550 0.4039	0.3574 0.4154	0.4275	0.3858	Ave		0.3925				7.1		30.0			
Chlorobenzene	++++ 0.6470	0.6717 0.6447	0.6481 0.6708	0.6911	0.6293	Ave		0.6575				3.2		30.0			
Ethylbenzene	++++ 0.9185	0.9420 0.9109	0.8767 0.9630	0.9848	0.9176	Ave		0.9305				3.9		30.0			
n-Nonane	++++ 0.3385	0.3381 0.3346	0.3116 0.3505	0.3692	0.3283	Ave		0.3387				5.3		30.0			
m,p-Xylene	++++ 0.4025	0.3910 0.3974	0.3730 0.4221	0.4338	0.4038	Ave		0.4034				4.9		30.0			
Xylene, o-	++++ 0.3896	0.4005 0.3825	0.3770 0.4028	0.4229	0.3894	Ave		0.3949				3.9		30.0			
Styrene	++++ 0.5919	0.4202 0.5851	0.4277 0.6421	0.5959	0.5752	Ave		0.5483				16.0		30.0			
Bromoform	++++ 0.4293	0.3266 0.4294	0.3208 0.4497	0.4523	0.4142	Ave		0.4032				13.9		30.0			
Cumene	++++ 1.1025	1.0925 1.0902	1.0242 1.1641	1.1852	1.0924	Ave		1.1073				4.8		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.4584	0.4542 0.4554	0.4373 0.4723	0.5013	0.4507	Ave		0.4614				4.4		30.0			
n-Dodecane	++++ 0.2186	++++ 0.1554	++++ 0.2397	0.2339	0.1951	Ave		0.2086				16.5		30.0			
1,2,3-Trichloropropane	++++ 0.3648	++++ 0.3566	0.3641 0.3702	0.4040	0.3620	Ave		0.3703				4.6		30.0			
n-Propylbenzene	++++ 1.2167	1.1264 1.1951	1.0314 1.2869	1.2933	1.1964	Ave		1.1923				7.7		30.0			
4-Ethyltoluene	++++ 1.1149	0.9422 1.0895	0.9123 1.1688	1.1667	1.0885	Ave		1.0690				9.6		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 480-26747-1 Analy Batch No.: 45233

SDG No.: _____

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

Calibration Start Date: 09/19/2012 13:52 Calibration End Date: 09/19/2012 20:06 Calibration ID: 17700

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Decane	+++++ 0.4123	+++++ 0.3975	0.3306 0.4126	0.4399	0.3999	Ave		0.3988				9.2		30.0			
2-Chlorotoluene	+++++ 0.8860	0.8462 0.8715	0.8092 0.9175	0.9552	0.8659	Ave		0.8788				5.4		30.0			
1,3,5-Trimethylbenzene	+++++ 0.9256	0.8581 0.9055	0.7960 0.9765	0.9814	0.9065	Ave		0.9071				7.2		30.0			
Alpha Methyl Styrene	+++++ 0.4664	0.3002 0.4754	0.2924 0.5194	0.4825	0.4649	Ave		0.4288				21.5		30.0			
tert-Butylbenzene	+++++ 0.9294	0.9219 0.9095	0.8482 0.9803	1.0103	0.9178	Ave		0.9311				5.6		30.0			
1,2,4-Trimethylbenzene	+++++ 0.9080	0.7469 0.8815	0.7487 0.9593	0.9626	0.8895	Ave		0.8709				10.3		30.0			
sec-Butylbenzene	+++++ 1.3060	1.1751 1.2813	1.1292 1.3766	1.4050	1.2869	Ave		1.2800				7.8		30.0			
4-Isopropyltoluene	+++++ 1.1565	0.8833 1.1331	0.8976 1.2277	1.2000	1.1292	Ave		1.0896				12.9		30.0			
1,3-Dichlorobenzene	+++++ 0.6434	0.6016 0.6274	0.5872 0.6802	0.6691	0.6139	Ave		0.6318				5.4		30.0			
1,4-Dichlorobenzene	+++++ 0.6216	0.5938 0.6095	0.5656 0.6645	0.6409	0.5921	Ave		0.6126				5.4		30.0			
Benzyl chloride	+++++ 0.6726	0.4769 0.6652	0.4599 0.7289	0.6428	0.5554	Ave		0.6002				17.3		30.0			
n-Butylbenzene	+++++ 0.8667	0.6353 0.8335	0.5821 0.9123	0.8514	0.8327	Ave		0.7877				16.0		30.0			
n-Undecane	+++++ 0.3655	+++++ 0.3242	+++++ 0.3824	0.3370	0.3470	Ave		0.3512				6.6		30.0			
1,2-Dichlorobenzene	+++++ 0.5962	0.5540 0.5834	0.5168 0.6281	0.6173	0.5794	Ave		0.5822				6.5		30.0			
1,2,4-Trichlorobenzene	+++++ 0.2608	+++++ 0.2712	0.2090 0.2901	0.2718	0.2370	Ave		0.2567				11.3		30.0			
Hexachlorobutadiene	+++++ 0.2899	0.2757 0.2825	0.2428 0.2877	0.2995	0.2777	Ave		0.2794				6.5		30.0			
Naphthalene	+++++ 0.6060	+++++ 0.5936	0.3283 0.6982	0.6030	0.5482	Ave		0.5629				22.2		30.0			
1,2,3-Trichlorobenzene	+++++ 0.2132	0.2130 0.2217	0.1632 0.2291	0.2261	0.1936	Ave		0.2086				11.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 480-26747-1 Analy Batch No.: 45233

SDG No.: _____

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

Calibration Start Date: 09/19/2012 13:52 Calibration End Date: 09/19/2012 20:06 Calibration ID: 17700

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-45233/3	cla003.d
Level 2	IC 200-45233/4	cla004.d
Level 3	IC 200-45233/5	cla005.d
Level 4	IC 200-45233/6	cla006.d
Level 5	ICIS 200-45233/7	cla007.d
Level 6	IC 200-45233/8	cla008.d
Level 7	IC 200-45233/9	cla009.d
Level 8	IC 200-45233/10	cla010.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	++++ 240709	++++ 322487	8837 641267	80957	157106	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	++++ 1381719	++++ 1848798	43299 3697858	441101	868779	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	++++ 601239	++++ 803345	19445 1604598	197279	382965	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1371532	18046 1849373	41393 3742168	425080	858791	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	++++ 288654	++++ 389708	9671 781560	90795	186197	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	++++ 493310	++++ 689807	14344 1386830	156486	320751	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	++++ 271031	3262 378959	7596 770069	80634	167613	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	1122 385411	4754 535916	11424 1090220	115338	243353	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	++++ 432538	5656 581314	13469 1180608	132972	253066	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	++++ 191726	++++ 266922	5988 536749	58499	109713	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	++++ 125129	++++ 249380	26798 644074	53469	69822	++++ 20.0	++++ 40.0	5.00 100	10.0	15.0
Isopentane	BCM	Ave	++++ 358035	4652 486760	10690 992114	109259	204131	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 503828	5981 687589	14355 1412470	152380	293320	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	++++ 119764	++++ 153406	++++ 316258	34200	68808	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	++++ 1450350	18291 1948983	44330 3955951	453971	878306	++++ 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.: 480-26747-1 Analy Batch No.: 45233

SDG No.: _____

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

Calibration Start Date: 09/19/2012 13:52 Calibration End Date: 09/19/2012 20:06 Calibration ID: 17700

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
n-Pentane	BCM	Ave	++++ 575686	++++ 780237	16900 1562391	179880	333573	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	++++ 341205	++++ 451943	++++ 918012	105692	243791	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Ethyl ether	BCM	Ave	++++ 269248	3046 356331	7792 725646	81299	168757	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Freon TF	BCM	Ave	++++ 1012000	12743 1375528	30737 2788917	311395	605584	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	++++ 592060	++++ 820654	++++ 1625761	194546	454215	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	++++ 475934	6313 650100	14859 1328987	145370	279113	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	++++ 494441	++++ 625823	++++ 1251382	182249	369183	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	++++ 1248619	++++ 1700721	36748 3447482	372869	742817	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	++++ 433878	5248 576360	11874 1171543	135023	248174	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	++++ 177606	++++ 227839	++++ 456642	55434	125129	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	++++ 370626	++++ 495108	13380 987568	116737	220800	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	++++ 1332718	17237 1753371	38984 3548859	407092	868422	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	++++ 623725	7483 846787	18040 1696084	191805	377022	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	++++ 228311	++++ 296511	6757 618100	70482	145649	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	++++ 42274	++++ 57869	++++ 116417	13312	28713	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
n-Hexane	BCM	Ave	++++ 632476	8010 852243	18345 1718252	192287	369387	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	++++ 138515	++++ 197440	++++ 418058	45071	95587	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	++++ 794063	10199 1062707	23789 2134273	243776	474670	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	++++ 806141	++++ 1043754	++++ 2142365	246093	518257	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	++++ 551934	7423 756494	17259 1528553	171560	337689	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	++++ 201183	++++ 262980	7986 537176	63160	136115	++++ 15.0	++++ 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.: 480-26747-1 Analy Batch No.: 45233

SDG No.: _____

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

Calibration Start Date: 09/19/2012 13:52 Calibration End Date: 09/19/2012 20:06 Calibration ID: 17700

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
Tetrahydrofuran	DFB	Ave	++++ 339410	++++ 443042	++++ 880793	106277	227090	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Chloroform	BCM	Ave	++++ 1082691	13848 1464006	33268 2968545	338052	667098	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	++++ 1266025	16227 1713778	38012 3466033	400798	781984	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	++++ 750617	9281 1015614	21299 2067088	226422	448582	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	++++ 1528525	21363 2084437	45909 4225948	468143	918448	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	++++ 2044663	24698 2784868	59479 5625336	624992	1225212	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	++++ 724886	9231 969322	22244 1935754	233567	453881	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	++++ 661406	8168 898896	20832 1777359	208571	404737	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	3187 1336819	16193 1816943	38712 3720266	418317	827814	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	++++ 476419	6043 639992	14011 1273248	143172	286122	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	++++ 453064	++++ 603767	10285 1237573	129389	296247	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	++++ 201471	++++ 270493	++++ 528949	60313	157530	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	++++ 701622	8463 953828	19927 1933404	217335	440613	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	++++ 1232475	13542 1660565	33104 3353191	379435	752163	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	++++ 877661	10310 1178210	24012 2375427	262228	532422	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	++++ 658002	++++ 904495	17624 1777191	198717	426918	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Trichloroethene	DFB	Ave	2308 768229	9272 1052034	23265 2130487	234147	465174	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	++++ 1274946	16240 1693003	39566 3435067	387138	789338	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	++++ 929163	11690 1230630	28442 2450155	294270	564669	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	++++ 903933	10337 1194928	25670 2451562	273327	563422	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	++++ 538446	6587 713423	15886 1432755	165602	333217	++++ 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.: 480-26747-1 Analy Batch No.: 45233

SDG No.: _____

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

Calibration Start Date: 09/19/2012 13:52 Calibration End Date: 09/19/2012 20:06 Calibration ID: 17700

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	++++ 1154912	14334 1564542	35991 3169841	363104	721525	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 600613	++++ 874173	15209 1702199	183490	378237	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	++++ 1337492	12913 1808049	31962 3689260	398458	813767	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	++++ 1147671	11953 1541004	30565 3110623	348564	697948	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	++++ 1842917	22618 2460032	55432 5023890	563455	1138497	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	++++ 2616312	31722 3475459	74981 7212048	802895	1660081	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	++++ 964240	11384 1276870	26650 2624795	301015	594028	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	++++ 2293077	26334 3032623	63811 6322862	707383	1461033	++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	++++ 1109665	13486 1459383	32243 3016289	344801	704503	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	++++ 1686157	14151 2232443	36580 4808739	485824	1040651	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	++++ 1222980	10997 1638280	27441 3367536	368758	749290	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	++++ 3140417	36790 4159880	87602 8717952	966280	1976280	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 1305621	15296 1737445	37405 3536720	408695	815378	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	++++ 622793	++++ 592763	++++ 1795265	190705	353028	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	++++ 1039035	++++ 1360645	31144 2772107	329383	654907	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	++++ 3465692	37932 4559882	88213 9637520	1054426	2164447	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	++++ 3175846	31729 4157221	78026 8753328	951211	1969378	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	++++ 1174586	++++ 1516571	28273 3089654	358609	723449	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	++++ 2523779	28494 3325250	69212 6871216	778788	1566514	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 2636629	28895 3455134	68080 7313305	800104	1639965	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	++++ 1328653	10110 1813856	25005 3889527	393412	841168	++++ 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.: 480-26747-1 Analy Batch No.: 45233

SDG No.: _____

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

Calibration Start Date: 09/19/2012 13:52 Calibration End Date: 09/19/2012 20:06 Calibration ID: 17700

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
tert-Butylbenzene	CBZ	Ave	++++ 2647394	31044 3470227	72547 7341232	823704	1660548	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,4-Trimethylbenzene	CBZ	Ave	++++ 2586587	25152 3363539	64034 7183813	784770	1609305	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	++++ 3720224	39570 4889052	96580 10309213	1145456	2328248	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	++++ 3294258	29745 4323424	76769 9194227	978337	2042978	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	++++ 1832636	20260 2394037	50220 5093670	545551	1110701	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	++++ 1770622	19995 2325511	48379 4976418	522555	1071176	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	++++ 1915856	16058 2538026	39333 5458657	524099	1004875	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	++++ 2468766	21392 3180248	49783 6831951	694138	1506445	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	++++ 1041274	++++ 1237015	++++ 2864108	274743	627815	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	++++ 1698166	18655 2226004	44201 4703654	503309	1048239	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 743029	++++ 1034945	17878 2172499	221562	428796	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	++++ 825770	9283 1077978	20765 2154342	244148	502338	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	++++ 1726305	++++ 2265061	28081 5229031	491591	991714	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 607391	7173 845782	13961 1715485	184354	350174	++++ 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/C.i/Csvr.p/clato15.b/cla003.d
Lab Smp Id: ic 376701
Inj Date : 19-SEP-2012 13:52
Operator : wrd
Smp Info : ic 376701
Misc Info : 40,1, lvl 8
Comment :
Method : /chem/C.i/Csvr.p/clato15.b/to15v5.m
Meth Date : 20-Sep-2012 12:16 wrd
Cal Date : 19-SEP-2012 13:52
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: C.i
Quant Type: ISTD
Cal File: cla003.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	40.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41						
2 Dichlorodifluoromethane	85						
3 Chlorodifluoromethane	51						
4 1,2-Dichloro-1,1,2,2-tetraflu	85						
5 Chloromethane	50						
6 Butane	43						
7 Vinyl chloride	62	5.120	5.115	(0.424)	1122	0.04000	0.046(aQM)
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						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	12.064	12.069	(1.000)		337913		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	12.758	12.758	(0.919)		3187		0.04000	0.038(aq)
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	13.889	13.894	(1.000)		1934657		10.0000	
48 n-Butanol	56						Compound Not Detected.		
49 Trichloroethene	95	14.343	14.348	(1.033)		2308		0.04000	0.046(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						Compound Not Detected.		

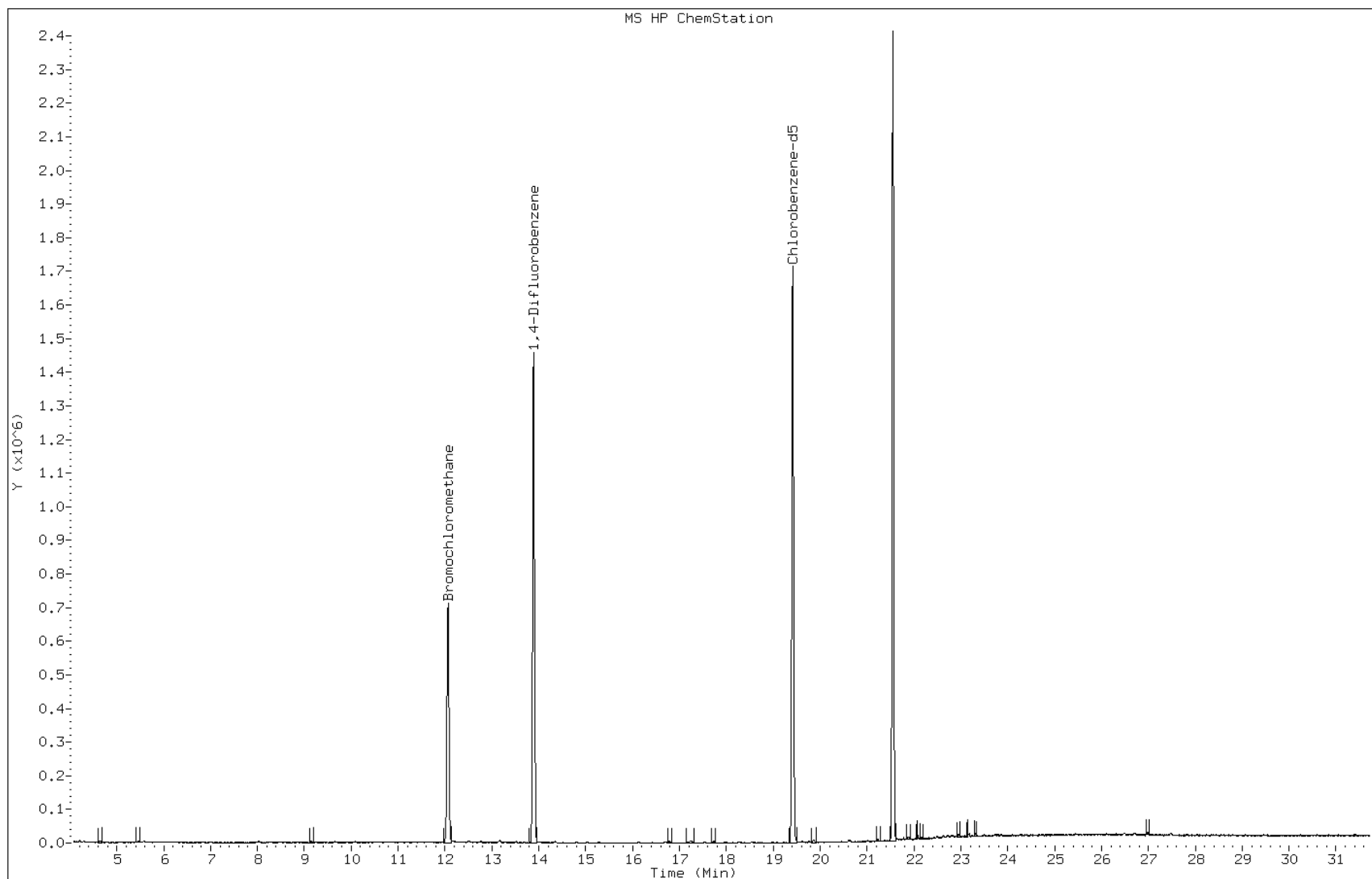
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	19.413	19.418	(1.000)	1777789	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.

Data File: cla003.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 376701
Lab Sample ID: ic 376701

Date: 19-SEP-2012 13:52
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



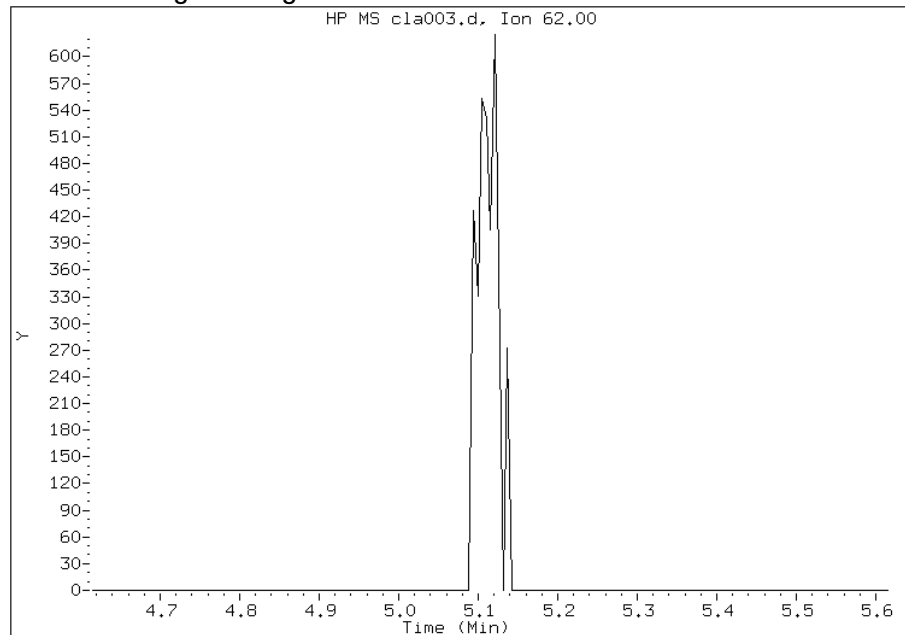
Manual Integration Report

Data File: cla003.d
Lab Sample ID: ic 376701
Inj. Date and Time: 19-SEP-2012 13:52
Instrument ID: C.i
Client ID:
Compound: 7 Vinyl chloride
CAS #: 75-01-4
Report Date: 09/21/2012

Not Detected

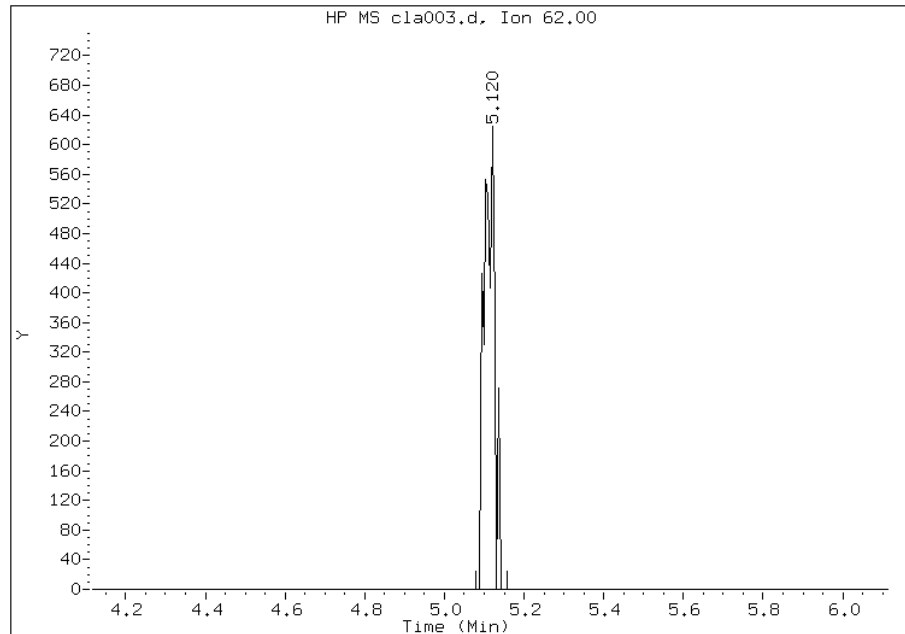
Expected RT: 5.12

Processing Integration Results



Manual Integration Results

RT: 5.12
Response: 1122
Amount: 0.045591
Conc: 0.045591



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

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/clato15.b/cla004.d
Lab Smp Id: ic 376701
Inj Date : 19-SEP-2012 14:45
Operator : wrd
Smp Info : ic 376701
Misc Info : 200,1,lv1 1
Comment :
Method : /chem/C.i/Csvr.p/clato15.b/to15v5.m
Meth Date : 20-Sep-2012 12:16 wrd
Cal Date : 19-SEP-2012 14:45
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: C.i
Quant Type: ISTD
Cal File: cla004.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	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41		4.208	4.208	(0.349)	4595	0.20000	0.30(a)
2 Dichlorodifluoromethane	85		4.299	4.304	(0.356)	18407	0.20000	0.22(a)
3 Chlorodifluoromethane	51		4.352	4.363	(0.361)	8276	0.20000	0.23(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85		4.640	4.651	(0.385)	18046	0.20000	0.22
5 Chloromethane	50		4.811	4.811	(0.399)	4604	0.20000	0.26(a)
6 Butane	43		5.067	5.078	(0.420)	6269	0.20000	0.21(a)
7 Vinyl chloride	62		5.104	5.115	(0.423)	4754	0.20000	0.20
8 1,3-Butadiene	54		5.201	5.216	(0.431)	3262	0.20000	0.20
9 Bromomethane	94		6.001	5.990	(0.498)	5656	0.20000	0.22
10 Chloroethane	64		6.268	6.268	(0.520)	2469	0.20000	0.22(a)
11 2-Methylbutane	43		6.385	6.380	(0.530)	4652	0.20000	0.22
12 Vinyl bromide	106		6.706	6.711	(0.556)	5981	0.20000	0.20
13 Trichlorofluoromethane	101		6.839	6.844	(0.567)	18291	0.20000	0.21
14 Pentane	43		7.004	7.010	(0.581)	7492	0.20000	0.22(a)
15 Ethanol	45							

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
16 Ethyl ether	59	7.581	7.565 (0.629)		3046	0.20000	0.20(Q)
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.008	8.018 (0.664)		12743	0.20000	0.21
18 Acrolein	56	Compound Not Detected.					
19 1,1-Dichloroethene	96	8.040	8.050 (0.667)		6313	0.20000	0.22(Q)
20 Acetone	43	8.259	8.248 (0.685)		23620	0.20000	0.75(a)
21 Carbon disulfide	76	8.483	8.488 (0.703)		15636	0.20000	0.21(a)
22 Isopropanol	45	Compound Not Detected.					
23 Allyl chloride	41	8.846	8.862 (0.734)		5248	0.20000	0.21(aM)
24 Acetonitrile	41	8.926	8.915 (0.740)		2838	0.20000	0.27(aQ)
25 Methylene chloride	49	9.150	9.150 (0.759)		7206	0.20000	0.38(a)
26 Tert-butyl alcohol	59	Compound Not Detected.					
27 Methyl tert-butyl ether	73	9.641	9.619 (0.800)		17237	0.20000	0.22
28 1,2-Dichloroethene (trans)	61	9.646	9.641 (0.800)		7483	0.20000	0.20(M)
29 Acrylonitrile	53	9.716	9.715 (0.806)		2455	0.20000	0.18(a)
30 n-Hexane	57	10.073	10.084 (0.835)		8010	0.20000	0.22
31 1,1-Dichloroethane	63	10.521	10.521 (0.873)		10199	0.20000	0.22
32 Vinyl acetate	43	10.585	10.580 (0.878)		8727	0.20000	0.18(a)
M 33 1,2-Dichloroethene, Total	61				14906	0.40000	0.42
34 1,2-Dichloroethene (cis)	96	11.626	11.621 (0.964)		7423	0.20000	0.22
35 Ethyl acetate	88	Compound Not Detected.					
36 Methyl Ethyl Ketone	72	11.648	11.642 (0.966)		3305	0.20000	0.26(aQ)
* 37 Bromochloromethane	128	12.058	12.069 (1.000)		325263	10.0000	
38 Tetrahydrofuran	42	12.139	12.117 (0.874)		4448	0.20000	0.22(a)
39 Chloroform	83	12.176	12.186 (1.010)		13848	0.20000	0.21
40 Cyclohexane	84	12.517	12.523 (0.901)		9281	0.20000	0.21(Q)
41 1,1,1-Trichloroethane	97	12.496	12.501 (0.900)		16227	0.20000	0.21
42 Carbon tetrachloride	117	12.758	12.758 (0.919)		16193	0.20000	0.20
43 2,2,4-Trimethylpentane	57	13.174	13.174 (0.948)		24698	0.20000	0.20
44 Benzene	78	13.158	13.163 (0.947)		21363	0.20000	0.23
45 1,2-Dichloroethane	62	13.281	13.286 (0.956)		9231	0.20000	0.21
46 n-Heptane	43	13.521	13.515 (0.973)		8168	0.20000	0.20
* 47 1,4-Difluorobenzene	114	13.889	13.894 (1.000)		1835512	10.0000	
48 n-Butanol	56	Compound Not Detected.					
49 Trichloroethene	95	14.348	14.348 (1.033)		9272	0.20000	0.19(a)
50 1,2-Dichloropropane	63	14.802	14.812 (1.066)		6043	0.20000	0.21
51 Methyl methacrylate	69	14.956	14.946 (1.077)		4241	0.20000	0.16(a)
52 Dibromomethane	174	15.031	15.036 (1.082)		8463	0.20000	0.20(Q)
53 1,4-Dioxane	88	15.026	15.020 (1.082)		2420	0.20000	0.19(a)
54 Bromodichloromethane	83	15.282	15.293 (1.100)		13542	0.20000	0.19(a)
55 1,3-Dichloropropene (cis)	75	16.125	16.136 (1.161)		10310	0.20000	0.20
56 Methyl isobutyl ketone	43	16.376	16.381 (1.179)		7522	0.20000	0.19(a)
57 n-Octane	43	16.782	16.782 (1.208)		11690	0.20000	0.21(a)
58 Toluene	92	16.702	16.707 (0.860)		16240	0.20000	0.21
59 1,3-Dichloropropene (trans)	75	17.198	17.203 (1.238)		10337	0.20000	0.19(a)
60 1,1,2-Trichloroethane	83	17.539	17.550 (0.904)		6587	0.20000	0.20
61 Tetrachloroethene	166	17.732	17.737 (0.913)		14334	0.20000	0.20
62 2-Hexanone	43	17.966	17.966 (0.925)		6255	0.20000	0.17(aQ)

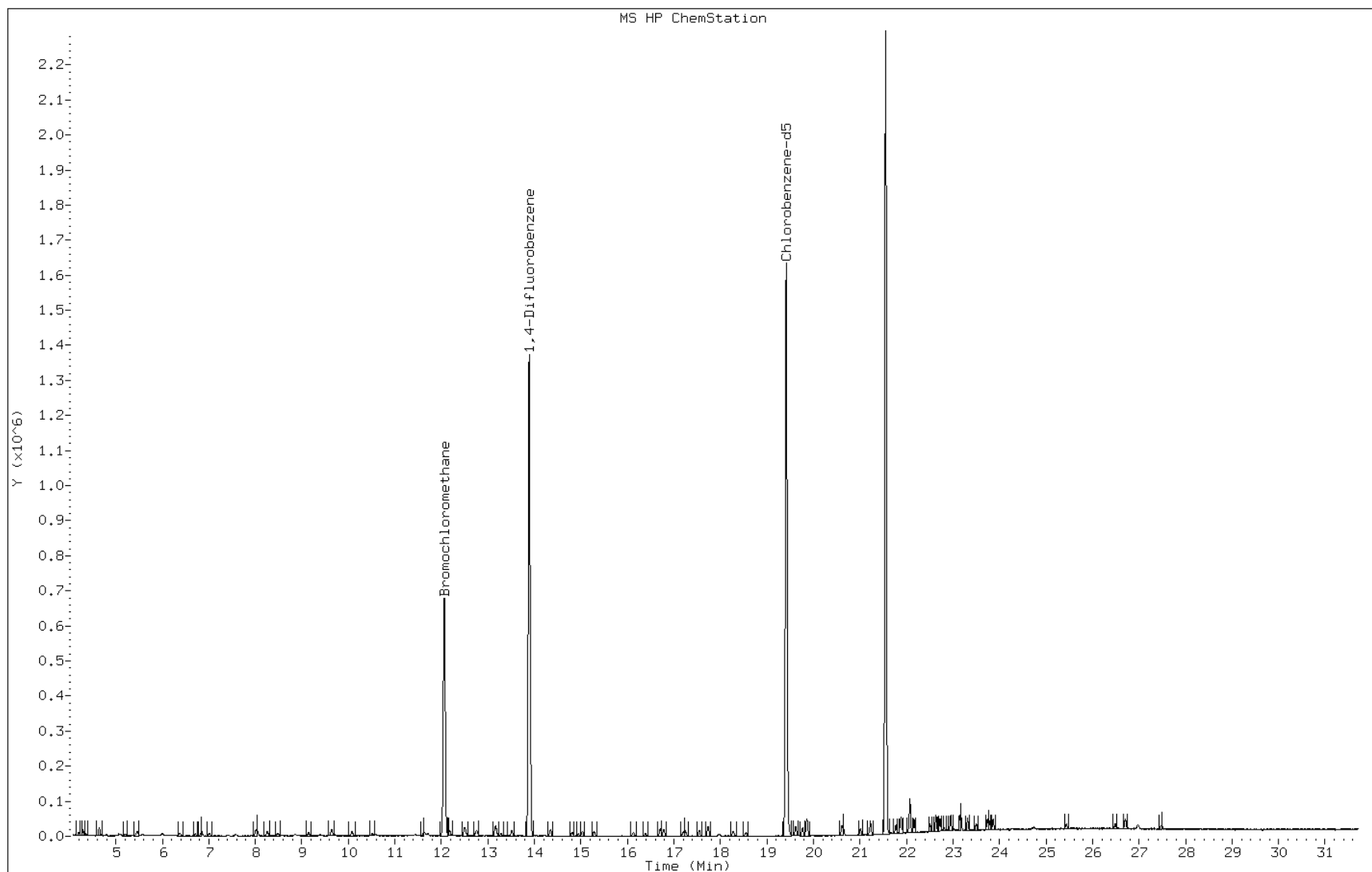
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
63 Dibromochloromethane	129	18.276	18.287	(0.941)	12913	0.20000	0.17(a)
64 1,2-Dibromoethane	107	18.548	18.553	(0.955)	11953	0.20000	0.18(a)
* 65 Chlorobenzene-d5	117	19.413	19.418	(1.000)	1683728	10.0000	
66 Chlorobenzene	112	19.471	19.477	(1.003)	22618	0.20000	0.20
67 n-Nonane	57	19.754	19.765	(1.018)	11384	0.20000	0.20(M)
68 Ethylbenzene	91	19.626	19.626	(1.011)	31722	0.20000	0.20
69 Xylene (m,p)	106	19.856	19.861	(1.023)	26334	0.40000	0.39(a)
M 70 Xylenes, Total	106				39820	0.20000	0.62
71 Xylene (o)	106	20.608	20.619	(1.062)	13486	0.20000	0.24
72 Styrene	104	20.651	20.651	(1.064)	14151	0.20000	0.18(a)
73 Bromoform	173	21.008	21.014	(1.082)	10997	0.20000	0.16(a)
74 Isopropylbenzene	105	21.222	21.227	(1.093)	36790	0.20000	0.20
75 1,1,2,2-Tetrachloroethane	83	21.772	21.772	(1.121)	15296	0.20000	0.20
76 n-Propylbenzene	91	21.889	21.889	(1.128)	37932	0.20000	0.19(a)
77 1,2,3-Trichloropropane	75	21.873	21.873	(1.127)	13907	0.20000	0.22(a)
78 n-Decane	57	22.070	22.070	(1.137)	12210	0.20000	0.18(a)
79 4-Ethyltoluene	105	22.065	22.070	(1.137)	31729	0.20000	0.18(a)
80 2-Chlorotoluene	91	22.076	22.076	(1.137)	28494	0.20000	0.19(a)
81 1,3,5-Trimethylbenzene	105	22.167	22.166	(1.142)	28895	0.20000	0.19(a)
82 Alpha Methyl Styrene	118	22.513	22.508	(1.160)	10110	0.20000	0.14(a)
83 tert-butylbenzene	119	22.636	22.636	(1.166)	31044	0.20000	0.20
84 1,2,4-Trimethylbenzene	105	22.722	22.722	(1.170)	25152	0.20000	0.17(a)
85 sec-Butylbenzene	105	22.946	22.951	(1.182)	39570	0.20000	0.18(a)
86 4-Isopropyltoluene	119	23.149	23.148	(1.192)	29745	0.20000	0.16(a)
87 1,3-Dichlorobenzene	146	23.181	23.180	(1.194)	20260	0.20000	0.19(a)
88 1,4-Dichlorobenzene	146	23.314	23.314	(1.201)	19995	0.20000	0.19(a)
89 Benzyl chloride	91	23.495	23.495	(1.210)	16058	0.20000	0.16(a)
90 Undecane	57	23.784	23.784	(1.225)	9338	0.20000	0.16(a)
91 n-Butylbenzene	91	23.741	23.741	(1.223)	21392	0.20000	0.16(a)
92 1,2-Dichlorobenzene	146	23.864	23.864	(1.229)	18655	0.20000	0.19(a)
93 Dodecane	57	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	26.484	26.484	(1.364)	8632	0.20000	0.24(a)
95 1,3-Hexachlorobutadiene	225	26.703	26.703	(1.376)	9283	0.20000	0.20(Q)
96 Naphthalene	128	26.986	26.975	(1.390)	17863	0.20000	0.19(a)
97 1,2,3-Trichlorobenzene	180	27.487	27.482	(1.416)	7173	0.20000	0.21

QC Flag Legend

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

Data File: cla004.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 376701
Lab Sample ID: ic 376701

Date: 19-SEP-2012 14:45
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

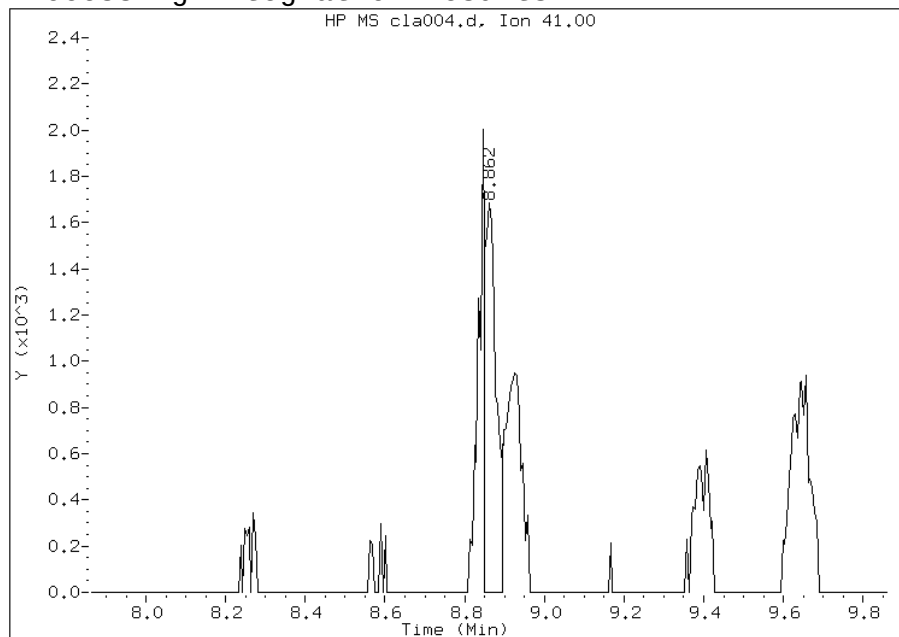


Manual Integration Report

Data File: cla004.d
Lab Sample ID: ic 376701
Inj. Date and Time: 19-SEP-2012 14:45
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 09/21/2012

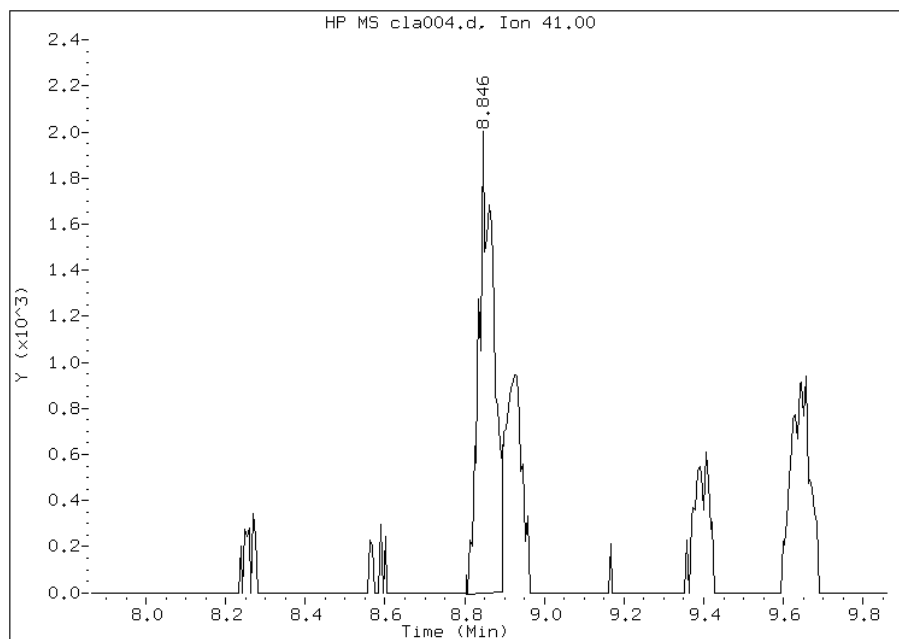
Processing Integration Results

RT: 8.86
Response: 3329
Amount: 0.117813
Conc: 0.117813



Manual Integration Results

RT: 8.85
Response: 5248
Amount: 0.209758
Conc: 0.209758



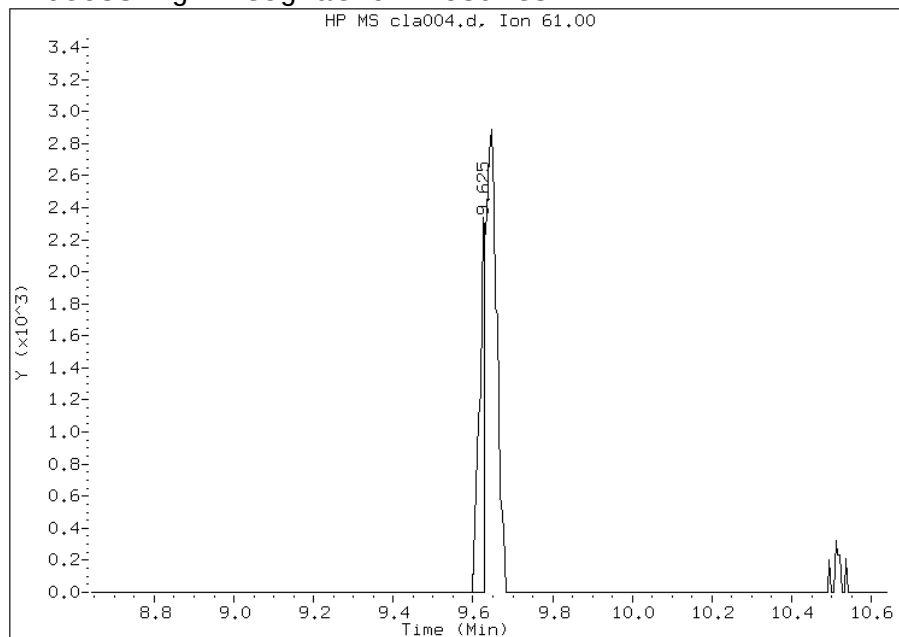
File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: cla004.d
Lab Sample ID: ic 376701
Inj. Date and Time: 19-SEP-2012 14:45
Instrument ID: C.i
Client ID:
Compound: 28 1,2-Dichloroethene (trans)
CAS #: 156-60-5
Report Date: 09/21/2012

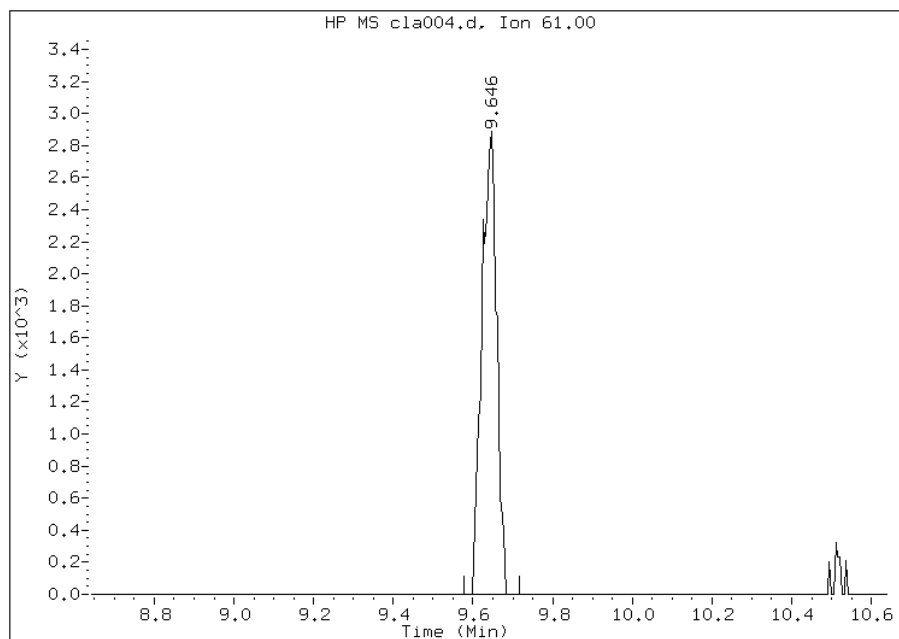
Processing Integration Results

RT: 9.62
Response: 2546
Amount: 0.078193
Conc: 0.078193



Manual Integration Results

RT: 9.65
Response: 7483
Amount: 0.204199
Conc: 0.204199



File Uploaded By: wrd
Manual Integration Reason: Baseline event

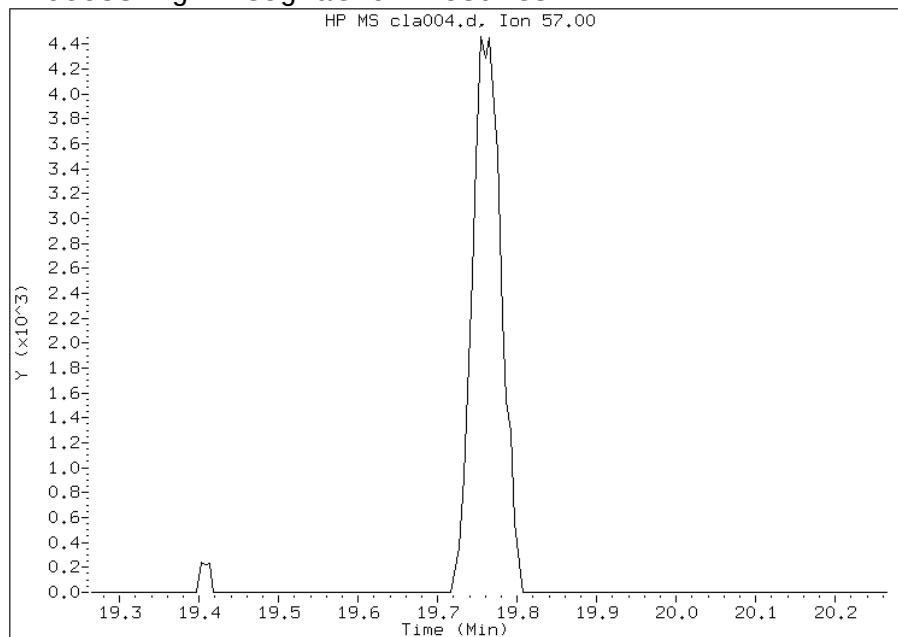
Manual Integration Report

Data File: cla004.d
Lab Sample ID: ic 376701
Inj. Date and Time: 19-SEP-2012 14:45
Instrument ID: C.i
Client ID:
Compound: 67 n-Nonane
CAS #: 111-84-2
Report Date: 09/21/2012

Processing Integration Results

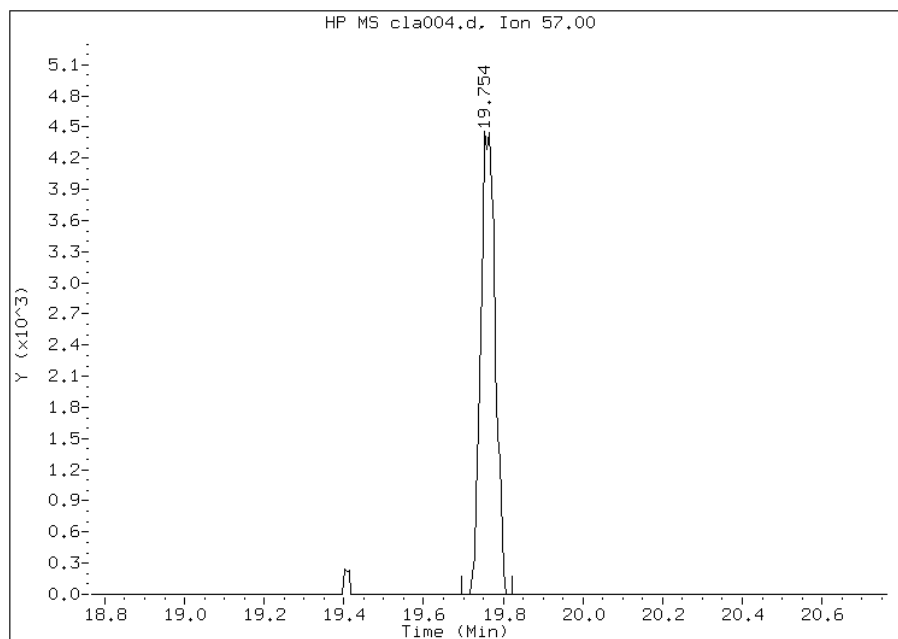
Not Detected

Expected RT: 19.76



Manual Integration Results

RT: 19.75
Response: 11384
Amount: 0.199608
Conc: 0.199608



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/clato15.b/cla005.d
 Lab Smp Id: ic 376703
 Inj Date : 19-SEP-2012 15:38
 Operator : wrd
 Smp Info : ic 376703
 Misc Info : 200,1,lv1 2
 Comment :
 Method : /chem/C.i/Csvr.p/clato15.b/to15v5.m
 Meth Date : 20-Sep-2012 12:16 wrd
 Cal Date : 19-SEP-2012 15:38
 Als bottle: 3
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: C.i
 Quant Type: ISTD
 Cal File: cla005.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	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT	ON-COL
							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	
1 Propene	41	4.213	4.208	(0.349)	8837	0.50000	0.57(a)	
2 Dichlorodifluoromethane	85	4.304	4.304	(0.357)	43299	0.50000	0.51	
3 Chlorodifluoromethane	51	4.368	4.363	(0.362)	19445	0.50000	0.52	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.656	4.651	(0.386)	41393	0.50000	0.49	
5 Chloromethane	50	4.811	4.811	(0.399)	9671	0.50000	0.54	
6 Butane	43	5.078	5.078	(0.421)	14344	0.50000	0.47(a)	
7 Vinyl chloride	62	5.110	5.115	(0.423)	11424	0.50000	0.48	
8 1,3-Butadiene	54	5.211	5.216	(0.432)	7596	0.50000	0.47	
9 Bromomethane	94	6.012	5.990	(0.498)	13469	0.50000	0.51	
10 Chloroethane	64	6.273	6.268	(0.520)	5988	0.50000	0.52	
11 2-Methylbutane	43	6.385	6.380	(0.529)	10690	0.50000	0.50	
12 Vinyl bromide	106	6.716	6.711	(0.556)	14355	0.50000	0.48	
13 Trichlorofluoromethane	101	6.850	6.844	(0.568)	44330	0.50000	0.50	
14 Pentane	43	7.020	7.010	(0.582)	16900	0.50000	0.50	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.421	7.522	(0.615)	26798	5.00000	5.1(H)
16 Ethyl ether	59	7.575	7.565	(0.628)	7792	0.50000	0.49(Q)
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.018	8.018	(0.664)	30737	0.50000	0.50
18 Acrolein	56	7.928	7.917	(0.657)	3825	0.50000	0.56(aM)
19 1,1-Dichloroethene	96	8.050	8.050	(0.667)	14859	0.50000	0.51
20 Acetone	43	8.259	8.248	(0.684)	43570	0.50000	1.4(a)
21 Carbon disulfide	76	8.488	8.488	(0.703)	36748	0.50000	0.50
22 Isopropanol	45	8.584	8.632	(0.711)	9880	0.50000	0.47(a)
23 Allyl chloride	41	8.856	8.862	(0.734)	11874	0.50000	0.47(a)
24 Acetonitrile	41	8.915	8.915	(0.739)	7419	0.50000	0.69(aQ)
25 Methylene chloride	49	9.150	9.150	(0.758)	13380	0.50000	0.70
26 Tert-butyl alcohol	59	9.406	9.433	(0.779)	18609	0.50000	0.48(a)
27 Methyl tert-butyl ether	73	9.646	9.619	(0.799)	38984	0.50000	0.48
28 1,2-Dichloroethene (trans)	61	9.641	9.641	(0.799)	18040	0.50000	0.49
29 Acrylonitrile	53	9.721	9.715	(0.805)	6757	0.50000	0.50
30 n-Hexane	57	10.084	10.084	(0.836)	18345	0.50000	0.49
31 1,1-Dichloroethane	63	10.521	10.521	(0.872)	23789	0.50000	0.50
32 Vinyl acetate	43	10.591	10.580	(0.878)	21626	0.50000	0.45(a)
M 33 1,2-Dichloroethene,Total	61				35299	1.00000	0.99
34 1,2-Dichloroethene (cis)	96	11.626	11.621	(0.963)	17259	0.50000	0.50
35 Ethyl acetate	88	11.712	11.701	(0.970)	1374	0.50000	0.52(aQM)
36 Methyl Ethyl Ketone	72	11.653	11.642	(0.966)	7986	0.50000	0.61(Q)
* 37 Bromochloromethane	128	12.069	12.069	(1.000)	329876	10.0000	
38 Tetrahydrofuran	42	12.139	12.117	(0.874)	10459	0.50000	0.50(a)
39 Chloroform	83	12.187	12.186	(1.010)	33268	0.50000	0.50
40 Cyclohexane	84	12.523	12.523	(0.902)	21299	0.50000	0.47
41 1,1,1-Trichloroethane	97	12.496	12.501	(0.900)	38012	0.50000	0.48
42 Carbon tetrachloride	117	12.763	12.758	(0.919)	38712	0.50000	0.48
43 2,2,4-Trimethylpentane	57	13.174	13.174	(0.948)	59479	0.50000	0.48
44 Benzene	78	13.158	13.163	(0.947)	45909	0.50000	0.48
45 1,2-Dichloroethane	62	13.286	13.286	(0.957)	22244	0.50000	0.49
46 n-Heptane	43	13.515	13.515	(0.973)	20832	0.50000	0.51
* 47 1,4-Difluorobenzene	114	13.889	13.894	(1.000)	1866333	10.0000	
48 n-Butanol	56	Compound Not Detected.					
49 Trichloroethene	95	14.348	14.348	(1.033)	23265	0.50000	0.48
50 1,2-Dichloropropane	63	14.807	14.812	(1.066)	14011	0.50000	0.48
51 Methyl methacrylate	69	14.951	14.946	(1.076)	10285	0.50000	0.39(a)
52 Dibromomethane	174	15.031	15.036	(1.082)	19927	0.50000	0.46
53 1,4-Dioxane	88	15.026	15.020	(1.082)	5619	0.50000	0.43(a)
54 Bromodichloromethane	83	15.287	15.293	(1.101)	33104	0.50000	0.45
55 1,3-Dichloropropene (cis)	75	16.136	16.136	(1.162)	24012	0.50000	0.46
56 Methyl isobutyl ketone	43	16.387	16.381	(1.180)	17624	0.50000	0.44(a)
57 n-Octane	43	16.782	16.782	(1.208)	28442	0.50000	0.50
58 Toluene	92	16.702	16.707	(0.860)	39566	0.50000	0.50
59 1,3-Dichloropropene (trans)	75	17.193	17.203	(1.238)	25670	0.50000	0.47
60 1,1,2-Trichloroethane	83	17.550	17.550	(0.904)	15886	0.50000	0.49
61 Tetrachloroethene	166	17.732	17.737	(0.913)	35991	0.50000	0.50

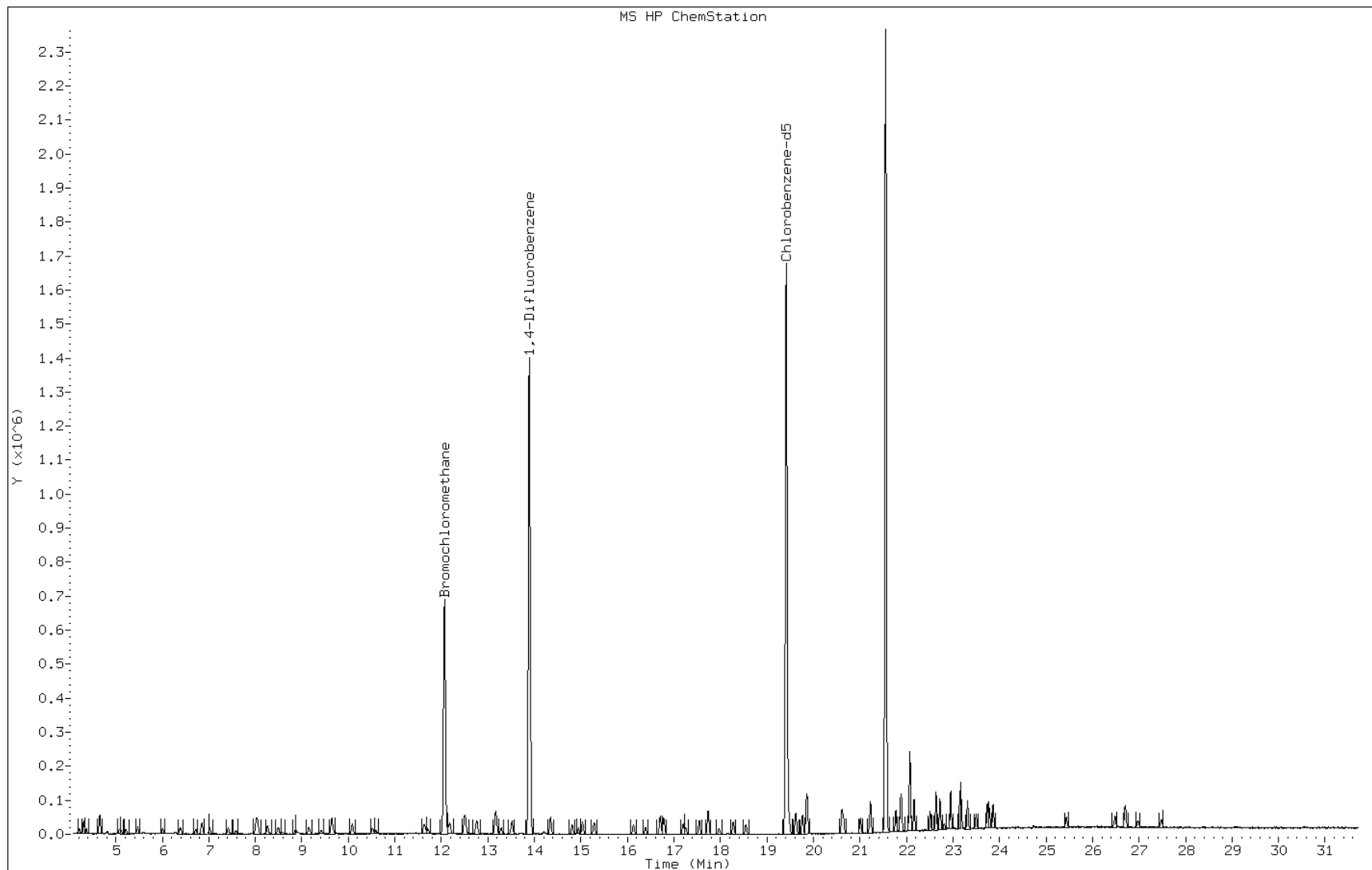
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	17.972	17.966	(0.926)	15209	0.50000	0.42(a)
63 Dibromochloromethane	129	18.276	18.287	(0.941)	31962	0.50000	0.42
64 1,2-Dibromoethane	107	18.543	18.553	(0.955)	30565	0.50000	0.46
* 65 Chlorobenzene-d5	117	19.413	19.418	(1.000)	1710570	10.0000	
66 Chlorobenzene	112	19.477	19.477	(1.003)	55432	0.50000	0.49
67 n-Nonane	57	19.770	19.765	(1.018)	26650	0.50000	0.46(M)
68 Ethylbenzene	91	19.621	19.626	(1.011)	74981	0.50000	0.47
69 Xylene (m,p)	106	19.856	19.861	(1.023)	63811	1.00000	0.92
M 70 Xylenes, Total	106				96054	0.50000	1.5
71 Xylene (o)	106	20.613	20.619	(1.062)	32243	0.50000	0.56
72 Styrene	104	20.646	20.651	(1.063)	36580	0.50000	0.46
73 Bromoform	173	21.014	21.014	(1.082)	27441	0.50000	0.40
74 Isopropylbenzene	105	21.227	21.227	(1.093)	87602	0.50000	0.46
75 1,1,2,2-Tetrachloroethane	83	21.772	21.772	(1.121)	37405	0.50000	0.47
76 n-Propylbenzene	91	21.889	21.889	(1.128)	88213	0.50000	0.43
77 1,2,3-Trichloropropane	75	21.873	21.873	(1.127)	31144	0.50000	0.49(a)
78 n-Decane	57	22.070	22.070	(1.137)	28273	0.50000	0.42(a)
79 4-Ethyltoluene	105	22.065	22.070	(1.137)	78026	0.50000	0.43
80 2-Chlorotoluene	91	22.081	22.076	(1.137)	69212	0.50000	0.46
81 1,3,5-Trimethylbenzene	105	22.167	22.166	(1.142)	68080	0.50000	0.44
82 Alpha Methyl Styrene	118	22.513	22.508	(1.160)	25005	0.50000	0.35
83 tert-butylbenzene	119	22.636	22.636	(1.166)	72547	0.50000	0.46
84 1,2,4-Trimethylbenzene	105	22.722	22.722	(1.170)	64034	0.50000	0.43
85 sec-Butylbenzene	105	22.951	22.951	(1.182)	96580	0.50000	0.44
86 4-Isopropyltoluene	119	23.149	23.148	(1.192)	76769	0.50000	0.42
87 1,3-Dichlorobenzene	146	23.175	23.180	(1.194)	50220	0.50000	0.47
88 1,4-Dichlorobenzene	146	23.314	23.314	(1.201)	48379	0.50000	0.46
89 Benzyl chloride	91	23.495	23.495	(1.210)	39333	0.50000	0.39
90 Undecane	57	23.778	23.784	(1.225)	22924	0.50000	0.39(a)
91 n-Butylbenzene	91	23.741	23.741	(1.223)	49783	0.50000	0.38
92 1,2-Dichlorobenzene	146	23.869	23.864	(1.230)	44201	0.50000	0.45
93 Dodecane	57	25.438	25.438	(1.310)	13352	0.50000	0.38(a)
94 1,2,4-Trichlorobenzene	180	26.484	26.484	(1.364)	17878	0.50000	0.49(a)
95 1,3-Hexachlorobutadiene	225	26.708	26.703	(1.376)	20765	0.50000	0.44
96 Naphthalene	128	26.975	26.975	(1.390)	28081	0.50000	0.30(a)
97 1,2,3-Trichlorobenzene	180	27.482	27.482	(1.416)	13961	0.50000	0.39

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: cla005.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 376703
Lab Sample ID: ic 376703

Date: 19-SEP-2012 15:38
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

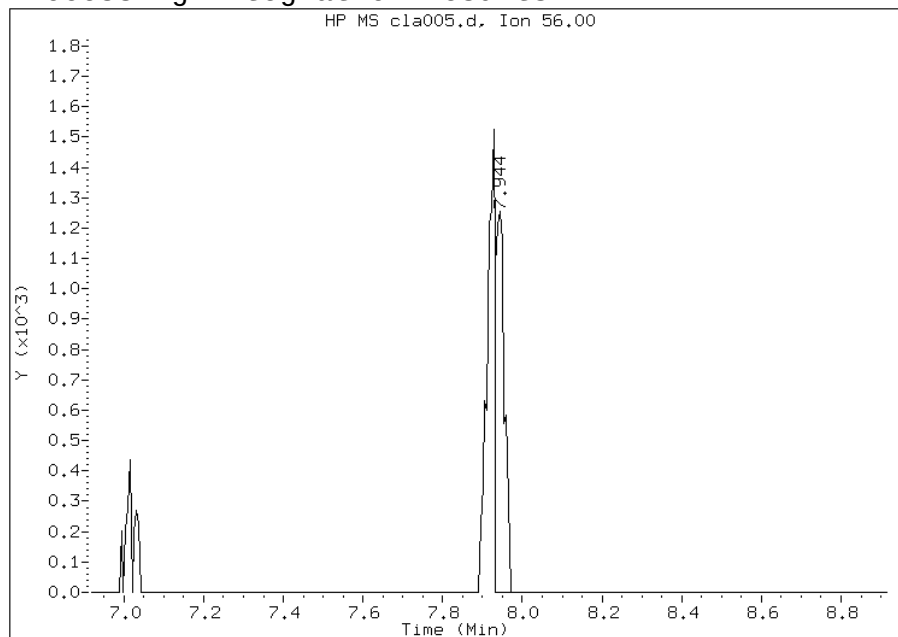


Manual Integration Report

Data File: cla005.d
Lab Sample ID: ic 376703
Inj. Date and Time: 19-SEP-2012 15:38
Instrument ID: C.i
Client ID:
Compound: 18 Acrolein
CAS #: 107-02-8
Report Date: 09/21/2012

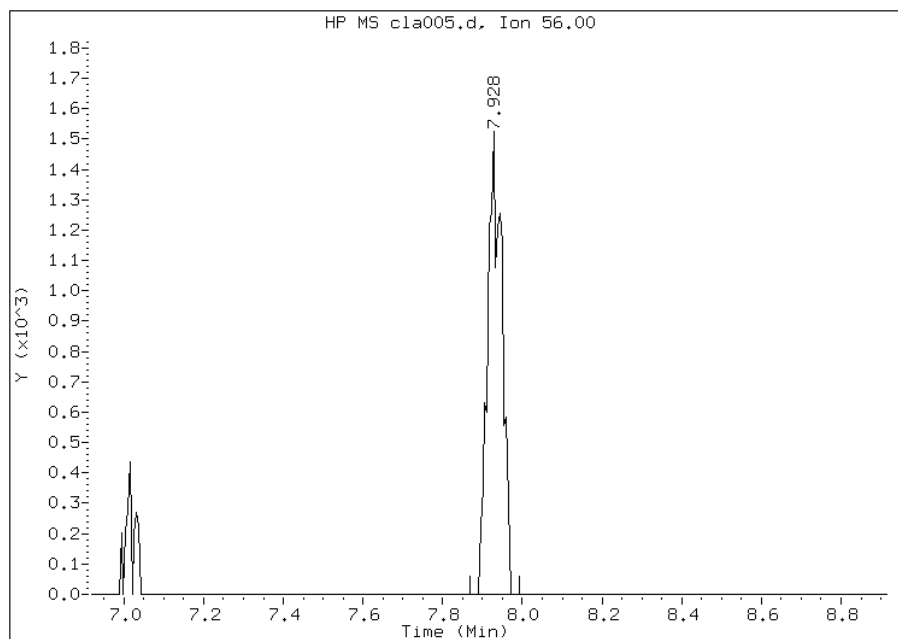
Processing Integration Results

RT: 7.94
Response: 1967
Amount: 0.285539
Conc: 0.285539



Manual Integration Results

RT: 7.93
Response: 3825
Amount: 0.564284
Conc: 0.564284



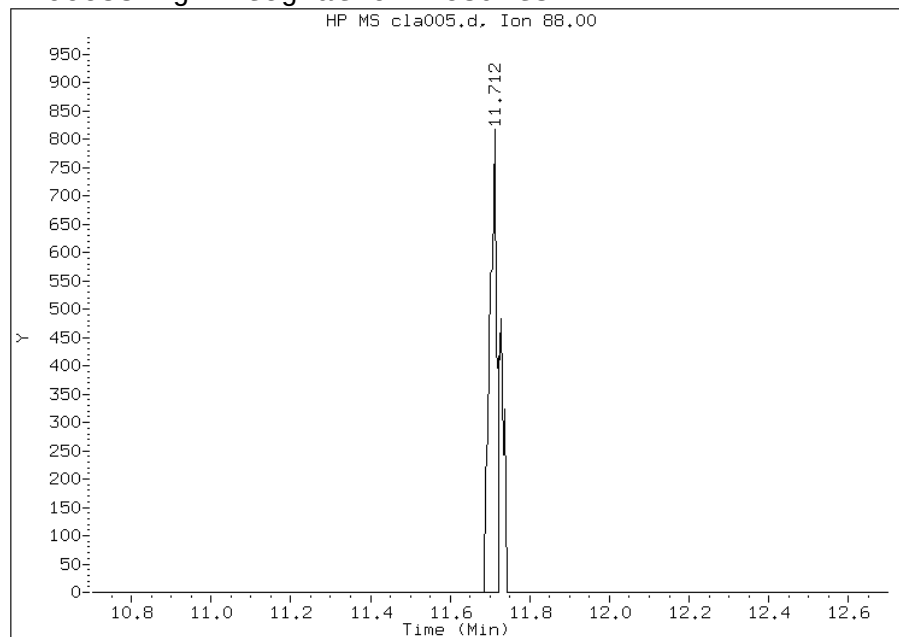
File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: cla005.d
Lab Sample ID: ic 376703
Inj. Date and Time: 19-SEP-2012 15:38
Instrument ID: C.i
Client ID:
Compound: 35 Ethyl acetate
CAS #: 141-78-6
Report Date: 09/21/2012

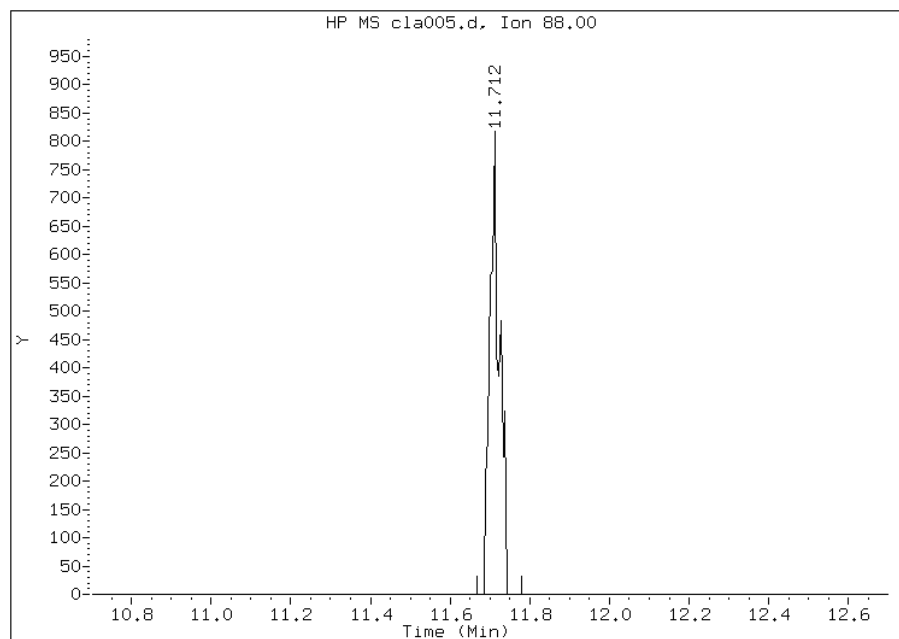
Processing Integration Results

RT: 11.71
Response: 1038
Amount: 0.395334
Conc: 0.395334



Manual Integration Results

RT: 11.71
Response: 1374
Amount: 0.522847
Conc: 0.522847



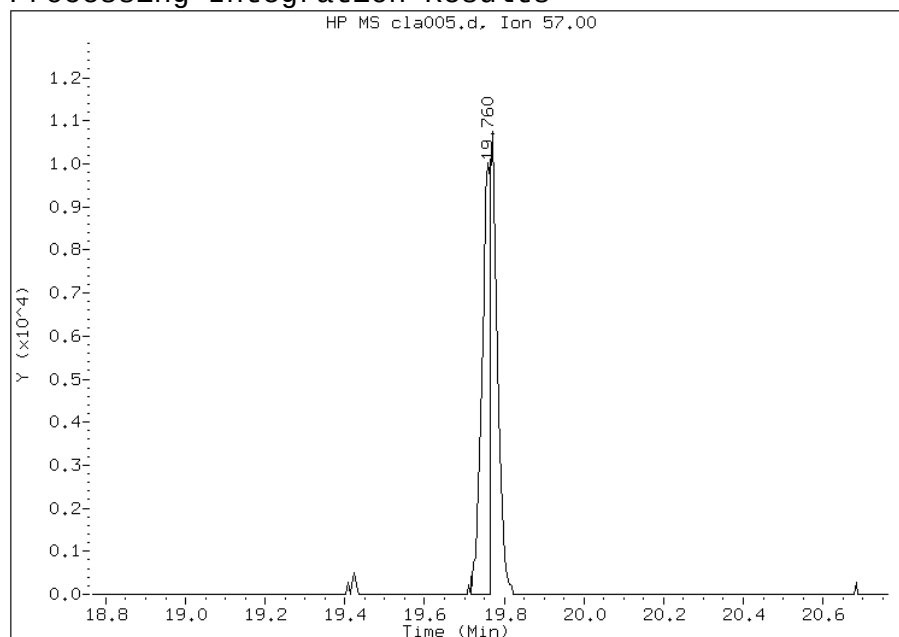
File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: cla005.d
Lab Sample ID: ic 376703
Inj. Date and Time: 19-SEP-2012 15:38
Instrument ID: C.i
Client ID:
Compound: 67 n-Nonane
CAS #: 111-84-2
Report Date: 09/21/2012

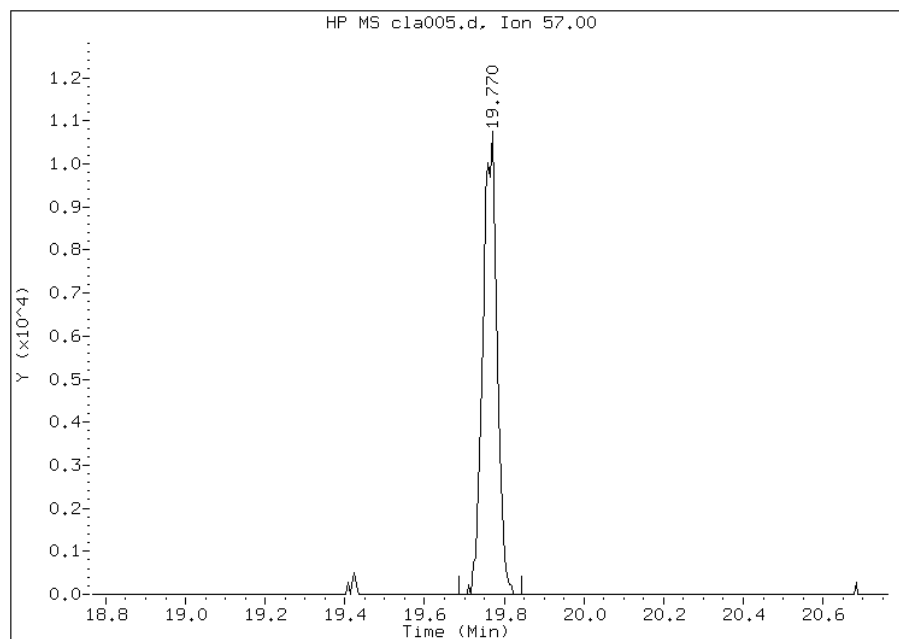
Processing Integration Results

RT: 19.76
Response: 15214
Amount: 0.280500
Conc: 0.280500



Manual Integration Results

RT: 19.77
Response: 26650
Amount: 0.459951
Conc: 0.459951



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/clato15.b/cla006.d
 Lab Smp Id: ic 370618
 Inj Date : 19-SEP-2012 16:32
 Operator : wrd
 Smp Info : ic 370618
 Misc Info : 200,1,lv1 3
 Comment :
 Method : /chem/C.i/Csvr.p/clato15.b/to15v5.m
 Meth Date : 20-Sep-2012 12:17 wrd
 Cal Date : 19-SEP-2012 16:32
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: C.i
 Quant Type: ISTD
 Cal File: cla006.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	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT	ON-COL
							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	
1 Propene	41	4.208	4.208	(0.349)	80957	5.00000	5.4	
2 Dichlorodifluoromethane	85	4.299	4.304	(0.356)	441101	5.00000	5.4	
3 Chlorodifluoromethane	51	4.357	4.363	(0.361)	197279	5.00000	5.5	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.640	4.651	(0.385)	425080	5.00000	5.2	
5 Chloromethane	50	4.806	4.811	(0.398)	90795	5.00000	5.2	
6 Butane	43	5.067	5.078	(0.420)	156486	5.00000	5.3	
7 Vinyl chloride	62	5.110	5.115	(0.424)	115338	5.00000	5.0	
8 1,3-Butadiene	54	5.211	5.216	(0.432)	80634	5.00000	5.1	
9 Bromomethane	94	5.996	5.990	(0.497)	132972	5.00000	5.2	
10 Chloroethane	64	6.268	6.268	(0.520)	58499	5.00000	5.2	
11 2-Methylbutane	43	6.380	6.380	(0.529)	109259	5.00000	5.2	
12 Vinyl bromide	106	6.711	6.711	(0.556)	152380	5.00000	5.3	
13 Trichlorofluoromethane	101	6.839	6.844	(0.567)	453971	5.00000	5.3	
14 Pentane	43	7.010	7.010	(0.581)	179880	5.00000	5.4	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.405	7.522	(0.614)	53469	10.0000	10(H)
16 Ethyl ether	59	7.554	7.565	(0.626)	81299	5.00000	5.3(Q)
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.018	8.018	(0.665)	311395	5.00000	5.2
18 Acrolein	56	7.917	7.917	(0.656)	34200	5.00000	5.2
19 1,1-Dichloroethene	96	8.045	8.050	(0.667)	145370	5.00000	5.1
20 Acetone	43	8.243	8.248	(0.683)	182249	5.00000	5.9
21 Carbon disulfide	76	8.488	8.488	(0.704)	372869	5.00000	5.2
22 Isopropanol	45	8.547	8.632	(0.708)	105692	5.00000	5.2
23 Allyl chloride	41	8.856	8.862	(0.734)	135023	5.00000	5.5(M)
24 Acetonitrile	41	8.910	8.915	(0.739)	55434	5.00000	5.3(QM)
25 Methylene chloride	49	9.150	9.150	(0.758)	116737	5.00000	6.3
26 Tert-butyl alcohol	59	9.363	9.433	(0.776)	194546	5.00000	5.2
27 Methyl tert-butyl ether	73	9.619	9.619	(0.797)	407092	5.00000	5.2
28 1,2-Dichloroethene (trans)	61	9.641	9.641	(0.799)	191805	5.00000	5.3
29 Acrylonitrile	53	9.716	9.715	(0.805)	70482	5.00000	5.3
30 n-Hexane	57	10.078	10.084	(0.835)	192287	5.00000	5.3
31 1,1-Dichloroethane	63	10.516	10.521	(0.872)	243776	5.00000	5.3
32 Vinyl acetate	43	10.580	10.580	(0.877)	246093	5.00000	5.3
M 33 1,2-Dichloroethene,Total	61				363365	10.0000	10
34 1,2-Dichloroethene (cis)	96	11.621	11.621	(0.963)	171560	5.00000	5.2
35 Ethyl acetate	88	11.701	11.701	(0.970)	13312	5.00000	5.2
36 Methyl Ethyl Ketone	72	11.642	11.642	(0.965)	63160	5.00000	5.0
* 37 Bromochloromethane	128	12.064	12.069	(1.000)	319601	10.0000	
38 Tetrahydrofuran	42	12.117	12.117	(0.872)	106277	5.00000	5.3
39 Chloroform	83	12.181	12.186	(1.010)	338052	5.00000	5.3
40 Cyclohexane	84	12.517	12.523	(0.901)	226422	5.00000	5.2
41 1,1,1-Trichloroethane	97	12.496	12.501	(0.900)	400798	5.00000	5.3
42 Carbon tetrachloride	117	12.758	12.758	(0.919)	418317	5.00000	5.4
43 2,2,4-Trimethylpentane	57	13.174	13.174	(0.948)	624992	5.00000	5.2
44 Benzene	78	13.158	13.163	(0.947)	468143	5.00000	5.1
45 1,2-Dichloroethane	62	13.281	13.286	(0.956)	233567	5.00000	5.4
46 n-Heptane	43	13.515	13.515	(0.973)	208571	5.00000	5.3
* 47 1,4-Difluorobenzene	114	13.889	13.894	(1.000)	1788530	10.0000	
48 n-Butanol	56	14.183	14.204	(1.021)	45071	5.00000	5.1
49 Trichloroethene	95	14.343	14.348	(1.033)	234147	5.00000	5.0
50 1,2-Dichloropropane	63	14.812	14.812	(1.066)	143172	5.00000	5.2
51 Methyl methacrylate	69	14.940	14.946	(1.076)	129389	5.00000	5.1
52 Dibromomethane	174	15.036	15.036	(1.083)	217335	5.00000	5.3
53 1,4-Dioxane	88	15.015	15.020	(1.081)	60313	5.00000	4.8(a)
54 Bromodichloromethane	83	15.282	15.293	(1.100)	379435	5.00000	5.4
55 1,3-Dichloropropene (cis)	75	16.130	16.136	(1.161)	262228	5.00000	5.2
56 Methyl isobutyl ketone	43	16.371	16.381	(1.179)	198717	5.00000	5.2
57 n-Octane	43	16.782	16.782	(1.208)	294270	5.00000	5.4
58 Toluene	92	16.702	16.707	(0.860)	387138	5.00000	5.2
59 1,3-Dichloropropene (trans)	75	17.193	17.203	(1.238)	273327	5.00000	5.3
60 1,1,2-Trichloroethane	83	17.545	17.550	(0.904)	165602	5.00000	5.3
61 Tetrachloroethene	166	17.737	17.737	(0.913)	363104	5.00000	5.3

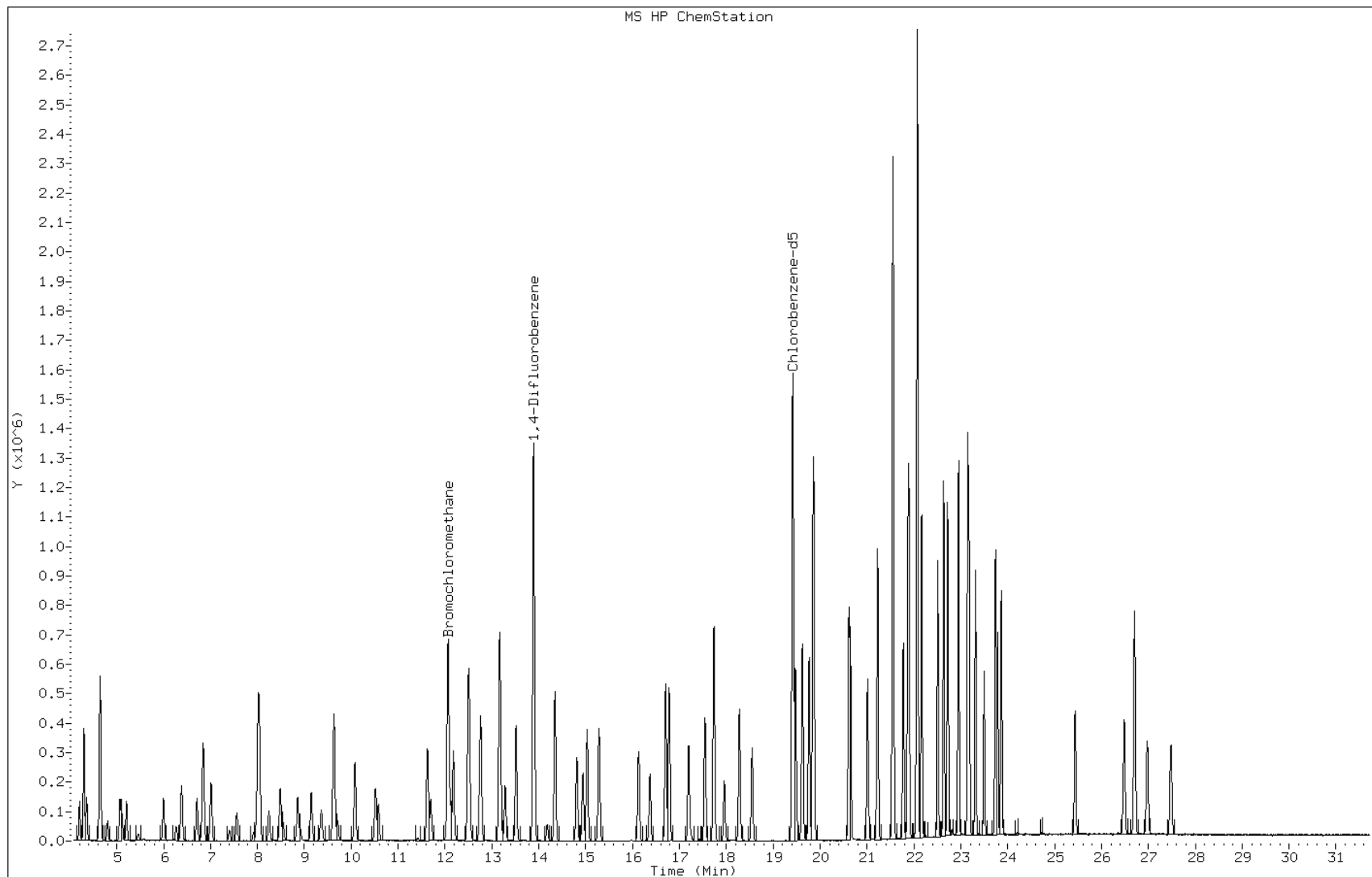
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	17.961	17.966	(0.925)	183490	5.00000	5.3
63 Dibromochloromethane	129	18.281	18.287	(0.941)	398458	5.00000	5.5
64 1,2-Dibromoethane	107	18.548	18.553	(0.955)	348564	5.00000	5.5
* 65 Chlorobenzene-d5	117	19.418	19.418	(1.000)	1630581	10.0000	
66 Chlorobenzene	112	19.471	19.477	(1.003)	563455	5.00000	5.2
67 n-Nonane	57	19.765	19.765	(1.018)	301015	5.00000	5.5
68 Ethylbenzene	91	19.621	19.626	(1.010)	802895	5.00000	5.3
69 Xylene (m,p)	106	19.856	19.861	(1.023)	707383	10.0000	11
M 70 Xylenes, Total	106				1052184	5.00000	17
71 Xylene (o)	106	20.613	20.619	(1.062)	344801	5.00000	6.2
72 Styrene	104	20.651	20.651	(1.063)	485824	5.00000	6.4
73 Bromoform	173	21.014	21.014	(1.082)	368758	5.00000	5.7
74 Isopropylbenzene	105	21.227	21.227	(1.093)	966280	5.00000	5.3
75 1,1,2,2-Tetrachloroethane	83	21.772	21.772	(1.121)	408695	5.00000	5.4
76 n-Propylbenzene	91	21.889	21.889	(1.127)	1054426	5.00000	5.4
77 1,2,3-Trichloropropane	75	21.868	21.873	(1.126)	329383	5.00000	5.4
78 n-Decane	57	22.070	22.070	(1.137)	358609	5.00000	5.6
79 4-Ethyltoluene	105	22.065	22.070	(1.136)	951211	5.00000	5.5
80 2-Chlorotoluene	91	22.076	22.076	(1.137)	778788	5.00000	5.4
81 1,3,5-Trimethylbenzene	105	22.167	22.166	(1.142)	800104	5.00000	5.4
82 Alpha Methyl Styrene	118	22.508	22.508	(1.159)	393412	5.00000	5.7
83 tert-butylbenzene	119	22.636	22.636	(1.166)	823704	5.00000	5.4
84 1,2,4-Trimethylbenzene	105	22.722	22.722	(1.170)	784770	5.00000	5.6
85 sec-Butylbenzene	105	22.951	22.951	(1.182)	1145456	5.00000	5.5
86 4-Isopropyltoluene	119	23.149	23.148	(1.192)	978337	5.00000	5.6
87 1,3-Dichlorobenzene	146	23.175	23.180	(1.193)	545551	5.00000	5.3
88 1,4-Dichlorobenzene	146	23.314	23.314	(1.201)	522555	5.00000	5.2
89 Benzyl chloride	91	23.495	23.495	(1.210)	524099	5.00000	5.5
90 Undecane	57	23.784	23.784	(1.225)	274743	5.00000	4.8(a)
91 n-Butylbenzene	91	23.741	23.741	(1.223)	694138	5.00000	5.5
92 1,2-Dichlorobenzene	146	23.869	23.864	(1.229)	503309	5.00000	5.3
93 Dodecane	57	25.438	25.438	(1.310)	190705	5.00000	5.7
94 1,2,4-Trichlorobenzene	180	26.479	26.484	(1.364)	221562	5.00000	6.4
95 1,3-Hexachlorobutadiene	225	26.708	26.703	(1.375)	244148	5.00000	5.4
96 Naphthalene	128	26.980	26.975	(1.389)	491591	5.00000	5.4
97 1,2,3-Trichlorobenzene	180	27.482	27.482	(1.415)	184354	5.00000	5.4

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: cla006.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 370618
Lab Sample ID: ic 370618

Date: 19-SEP-2012 16:32
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

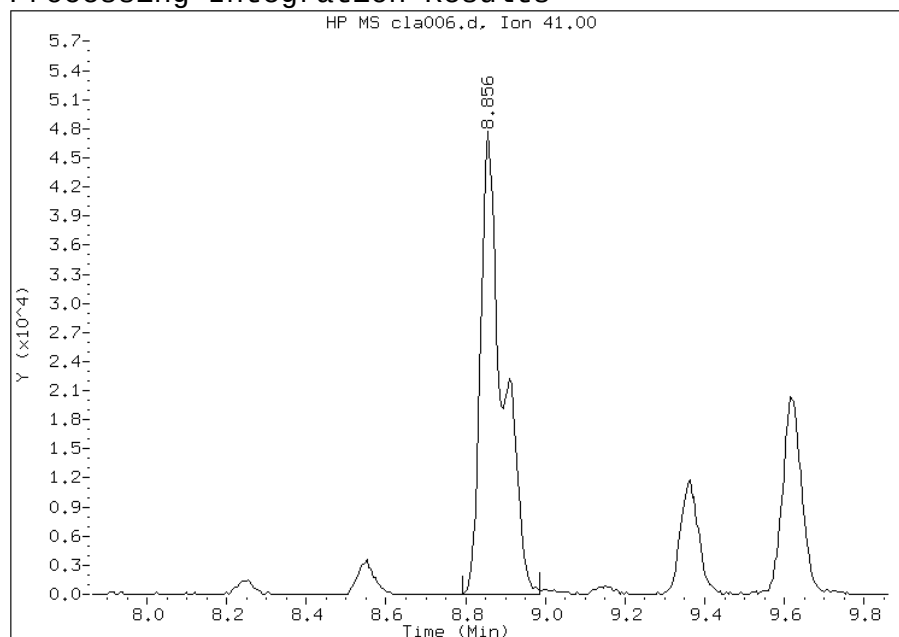


Manual Integration Report

Data File: cla006.d
Lab Sample ID: ic 370618
Inj. Date and Time: 19-SEP-2012 16:32
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 09/21/2012

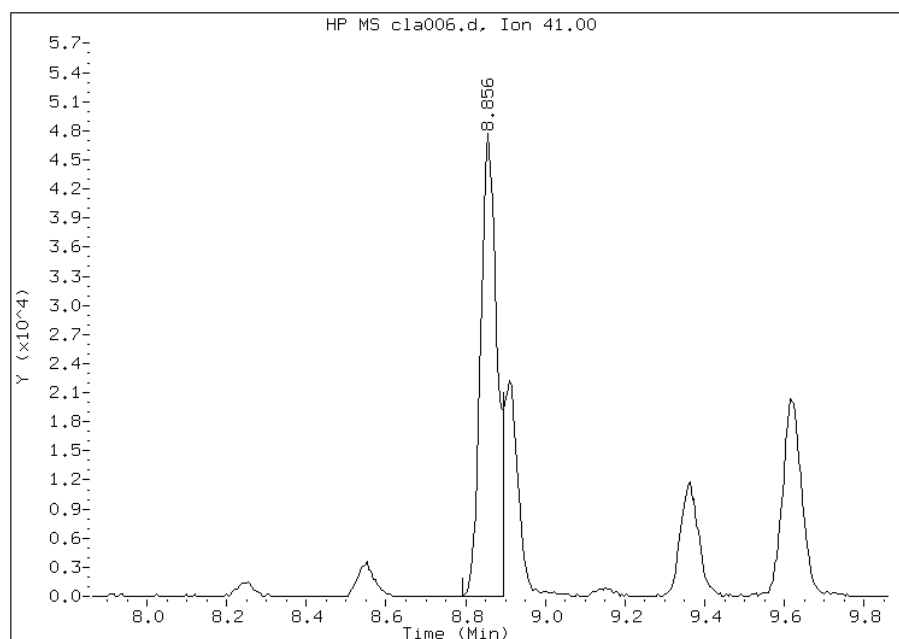
Processing Integration Results

RT: 8.86
Response: 185786
Amount: 6.33
Conc: 6.33



Manual Integration Results

RT: 8.86
Response: 135023
Amount: 5.49
Conc: 5.49



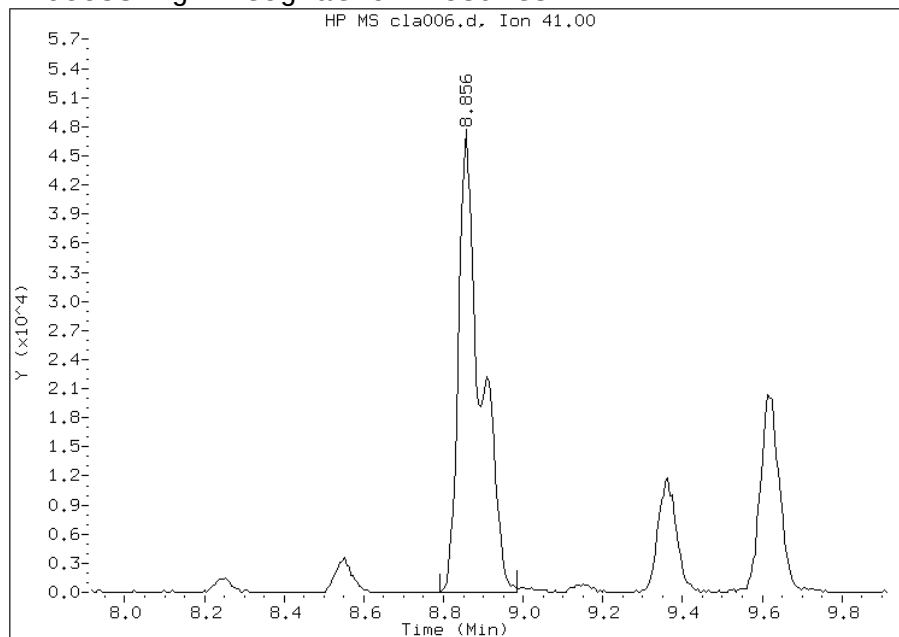
File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: cla006.d
Lab Sample ID: ic 370618
Inj. Date and Time: 19-SEP-2012 16:32
Instrument ID: C.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 09/21/2012

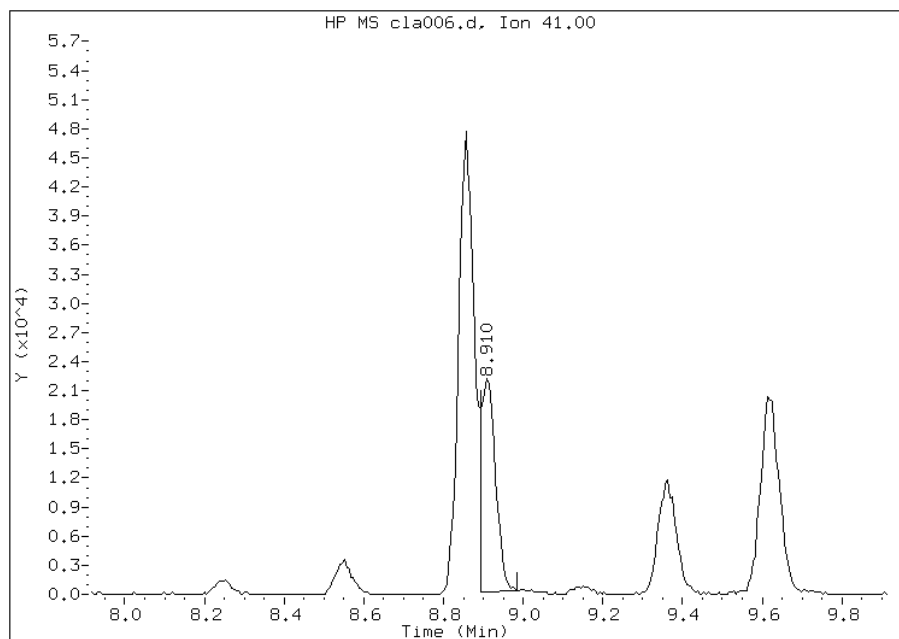
Processing Integration Results

RT: 8.86
Response: 185786
Amount: 6.41
Conc: 6.41



Manual Integration Results

RT: 8.91
Response: 55434
Amount: 5.31
Conc: 5.31



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/clato15.b/cla007.d
 Lab Smp Id: icis 380699
 Inj Date : 19-SEP-2012 17:25
 Operator : wrd
 Smp Info : icis 380699
 Misc Info : 200,1,lv1 4 icis
 Comment :
 Method : /chem/C.i/Csvr.p/clato15.b/to15v5.m
 Meth Date : 20-Sep-2012 12:17 wrd
 Cal Date : 19-SEP-2012 17:25
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: C.i
 Quant Type: ISTD
 Cal File: cla007.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	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

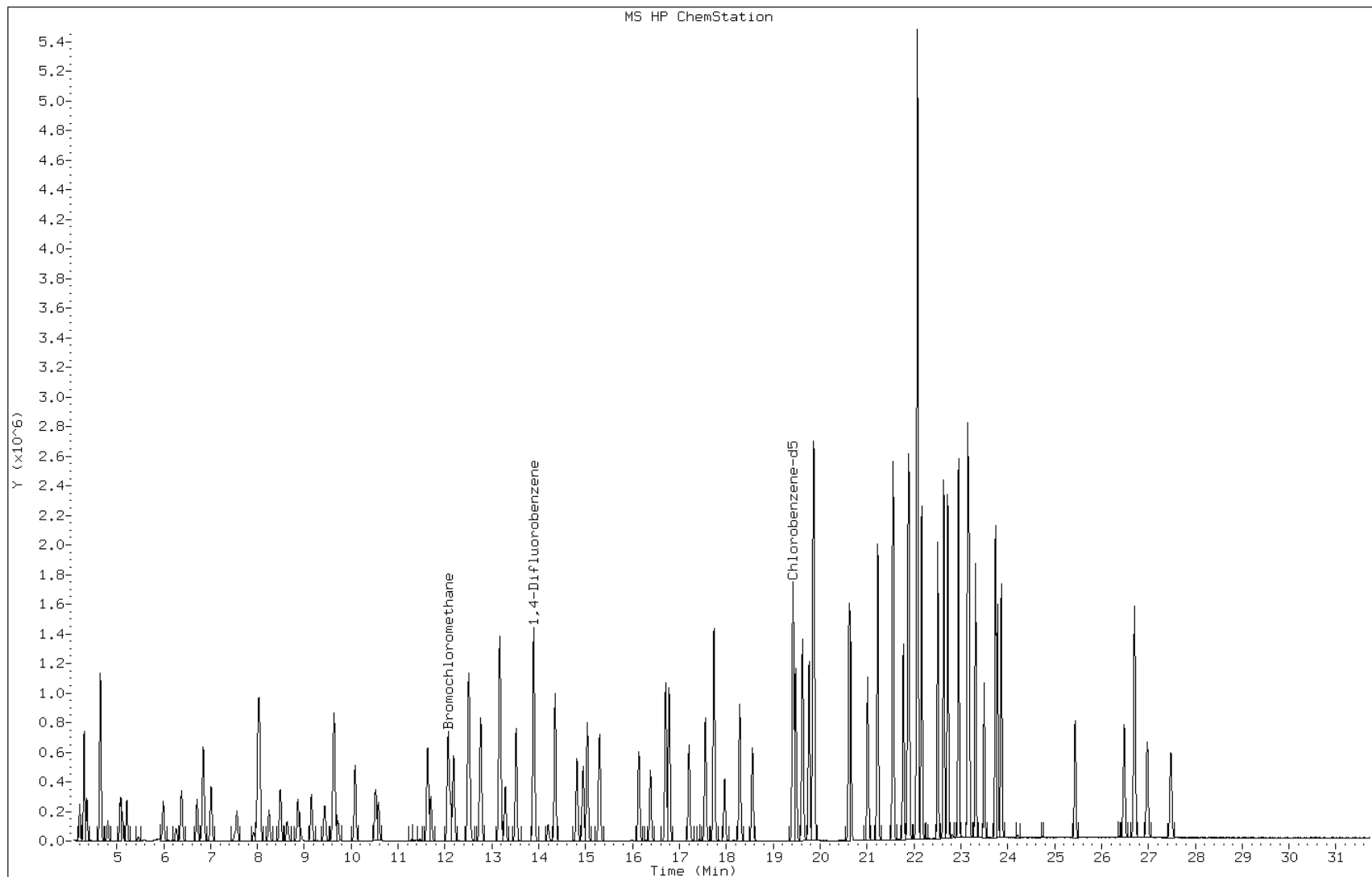
Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ppb v/v)	(ppb v/v)
1 Propene		41	4.208	4.208	(0.349)	157106	10.0000	9.6
2 Dichlorodifluoromethane		85	4.304	4.304	(0.357)	868779	10.0000	9.8
3 Chlorodifluoromethane		51	4.363	4.363	(0.361)	382965	10.0000	9.7
4 1,2-Dichloro-1,1,2,2-tetraflu		85	4.651	4.651	(0.385)	858791	10.0000	9.6
5 Chloromethane		50	4.811	4.811	(0.399)	186197	10.0000	9.8
6 Butane		43	5.078	5.078	(0.421)	320751	10.0000	10
7 Vinyl chloride		62	5.115	5.115	(0.424)	243353	10.0000	9.6
8 1,3-Butadiene		54	5.216	5.216	(0.432)	167613	10.0000	9.7
9 Bromomethane		94	5.990	5.990	(0.496)	253066	10.0000	9.1
10 Chloroethane		64	6.268	6.268	(0.519)	109713	10.0000	9.0
11 2-Methylbutane		43	6.380	6.380	(0.529)	204131	10.0000	8.9
12 Vinyl bromide		106	6.711	6.711	(0.556)	293320	10.0000	9.3
13 Trichlorofluoromethane		101	6.844	6.844	(0.567)	878306	10.0000	9.4
14 Pentane		43	7.010	7.010	(0.581)	333573	10.0000	9.2

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.522	7.522	(0.623)	69822	15.0000	13
16 Ethyl ether	59	7.565	7.565	(0.627)	168757	10.0000	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.018	8.018	(0.664)	605584	10.0000	9.3
18 Acrolein	56	7.917	7.917	(0.656)	68808	10.0000	9.6
19 1,1-Dichloroethene	96	8.050	8.050	(0.667)	279113	10.0000	9.0
20 Acetone	43	8.248	8.248	(0.683)	369183	10.0000	11
21 Carbon disulfide	76	8.488	8.488	(0.703)	742817	10.0000	9.5
22 Isopropanol	45	8.632	8.632	(0.715)	243791	10.0000	11
23 Allyl chloride	41	8.862	8.862	(0.734)	248174	10.0000	9.2
24 Acetonitrile	41	8.915	8.915	(0.739)	125129	10.0000	11
25 Methylene chloride	49	9.150	9.150	(0.758)	220800	10.0000	11
26 Tert-butyl alcohol	59	9.433	9.433	(0.782)	454215	10.0000	11
27 Methyl tert-butyl ether	73	9.619	9.619	(0.797)	868422	10.0000	10
28 1,2-Dichloroethene (trans)	61	9.641	9.641	(0.799)	377022	10.0000	9.6
29 Acrylonitrile	53	9.715	9.715	(0.805)	145649	10.0000	10
30 n-Hexane	57	10.084	10.084	(0.836)	369387	10.0000	9.2
31 1,1-Dichloroethane	63	10.521	10.521	(0.872)	474670	10.0000	9.4
32 Vinyl acetate	43	10.580	10.580	(0.877)	518257	10.0000	10
M 33 1,2-Dichloroethene,Total	61				714711	20.0000	19
34 1,2-Dichloroethene (cis)	96	11.621	11.621	(0.963)	337689	10.0000	9.3
35 Ethyl acetate	88	11.701	11.701	(0.969)	28713	10.0000	10
36 Methyl Ethyl Ketone	72	11.642	11.642	(0.965)	136115	10.0000	9.9
* 37 Bromochloromethane	128	12.069	12.069	(1.000)	349260	10.0000	
38 Tetrahydrofuran	42	12.117	12.117	(0.872)	227090	10.0000	10
39 Chloroform	83	12.186	12.186	(1.010)	667098	10.0000	9.5
40 Cyclohexane	84	12.523	12.523	(0.901)	448582	10.0000	9.5
41 1,1,1-Trichloroethane	97	12.501	12.501	(0.900)	781984	10.0000	9.6
42 Carbon tetrachloride	117	12.758	12.758	(0.918)	827814	10.0000	9.8
43 2,2,4-Trimethylpentane	57	13.174	13.174	(0.948)	1225212	10.0000	9.5
44 Benzene	78	13.163	13.163	(0.947)	918448	10.0000	9.3
45 1,2-Dichloroethane	62	13.286	13.286	(0.956)	453881	10.0000	9.7
46 n-Heptane	43	13.515	13.515	(0.973)	404737	10.0000	9.5
* 47 1,4-Difluorobenzene	114	13.894	13.894	(1.000)	1926691	10.0000	
48 n-Butanol	56	14.204	14.204	(1.022)	95587	10.0000	10
49 Trichloroethene	95	14.348	14.348	(1.033)	465174	10.0000	9.3
50 1,2-Dichloropropane	63	14.812	14.812	(1.066)	286122	10.0000	9.6
51 Methyl methacrylate	69	14.946	14.946	(1.076)	296247	10.0000	11
52 Dibromomethane	174	15.036	15.036	(1.082)	440613	10.0000	9.9
53 1,4-Dioxane	88	15.020	15.020	(1.081)	157530	10.0000	12
54 Bromodichloromethane	83	15.293	15.293	(1.101)	752163	10.0000	10
55 1,3-Dichloropropene (cis)	75	16.136	16.136	(1.161)	532422	10.0000	9.9
56 Methyl isobutyl ketone	43	16.381	16.381	(1.179)	426918	10.0000	10
57 n-Octane	43	16.782	16.782	(1.208)	564669	10.0000	9.6
58 Toluene	92	16.707	16.707	(0.860)	789338	10.0000	9.5
59 1,3-Dichloropropene (trans)	75	17.203	17.203	(1.238)	563422	10.0000	10
60 1,1,2-Trichloroethane	83	17.550	17.550	(0.904)	333217	10.0000	9.6
61 Tetrachloroethene	166	17.737	17.737	(0.913)	721525	10.0000	9.5

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====		==	=====	=====	=====	=====	=====
62 2-Hexanone	43		17.966	17.966	(0.925)	378237	10.0000	9.8
63 Dibromochloromethane	129		18.287	18.287	(0.942)	813767	10.0000	10
64 1,2-Dibromoethane	107		18.553	18.553	(0.955)	697948	10.0000	9.9
* 65 Chlorobenzene-d5	117		19.418	19.418	(1.000)	1809194	10.0000	
66 Chlorobenzene	112		19.477	19.477	(1.003)	1138497	10.0000	9.5
67 n-Nonane	57		19.765	19.765	(1.018)	594028	10.0000	9.7
68 Ethylbenzene	91		19.626	19.626	(1.011)	1660081	10.0000	9.8
69 Xylene (m,p)	106		19.861	19.861	(1.023)	1461033	20.0000	20
M 70 Xylenes, Total	106					2165536	10.0000	31
71 Xylene (o)	106		20.619	20.619	(1.062)	704503	10.0000	11
72 Styrene	104		20.651	20.651	(1.063)	1040651	10.0000	12
73 Bromoform	173		21.014	21.014	(1.082)	749290	10.0000	10
74 Isopropylbenzene	105		21.227	21.227	(1.093)	1976280	10.0000	9.9
75 1,1,2,2-Tetrachloroethane	83		21.772	21.772	(1.121)	815378	10.0000	9.8
76 n-Propylbenzene	91		21.889	21.889	(1.127)	2164447	10.0000	10
77 1,2,3-Trichloropropane	75		21.873	21.873	(1.126)	654907	10.0000	9.7
78 n-Decane	57		22.070	22.070	(1.137)	723449	10.0000	10
79 4-Ethyltoluene	105		22.070	22.070	(1.137)	1969378	10.0000	10
80 2-Chlorotoluene	91		22.076	22.076	(1.137)	1566514	10.0000	9.9
81 1,3,5-Trimethylbenzene	105		22.166	22.166	(1.142)	1639965	10.0000	10
82 Alpha Methyl Styrene	118		22.508	22.508	(1.159)	841168	10.0000	11
83 tert-butylbenzene	119		22.636	22.636	(1.166)	1660548	10.0000	9.9
84 1,2,4-Trimethylbenzene	105		22.722	22.722	(1.170)	1609305	10.0000	10
85 sec-Butylbenzene	105		22.951	22.951	(1.182)	2328248	10.0000	10
86 4-Isopropyltoluene	119		23.148	23.148	(1.192)	2042978	10.0000	10
87 1,3-Dichlorobenzene	146		23.180	23.180	(1.194)	1110701	10.0000	9.7
88 1,4-Dichlorobenzene	146		23.314	23.314	(1.201)	1071176	10.0000	9.7
89 Benzyl chloride	91		23.495	23.495	(1.210)	1004875	10.0000	9.4
90 Undecane	57		23.784	23.784	(1.225)	627815	10.0000	10
91 n-Butylbenzene	91		23.741	23.741	(1.223)	1506445	10.0000	11
92 1,2-Dichlorobenzene	146		23.864	23.864	(1.229)	1048239	10.0000	10
93 Dodecane	57		25.438	25.438	(1.310)	353028	10.0000	9.5
94 1,2,4-Trichlorobenzene	180		26.484	26.484	(1.364)	428796	10.0000	11
95 1,3-Hexachlorobutadiene	225		26.703	26.703	(1.375)	502338	10.0000	10
96 Naphthalene	128		26.975	26.975	(1.389)	991714	10.0000	9.9
97 1,2,3-Trichlorobenzene	180		27.482	27.482	(1.415)	350174	10.0000	9.3

Data File: cla007.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icis 380699
Lab Sample ID: icis 380699

Date: 19-SEP-2012 17:25
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/clato15.b/cla008.d
Lab Smp Id: ic 370603
Inj Date : 19-SEP-2012 18:19
Operator : wrd
Smp Info : ic 370603
Misc Info : 200,1,lv1 5
Comment :
Method : /chem/C.i/Csvr.p/clato15.b/to15v5.m
Meth Date : 20-Sep-2012 12:17 wrd
Cal Date : 19-SEP-2012 18:19
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: C.i
Quant Type: ISTD
Cal File: cla008.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	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	4.208	4.208	(0.349)	240709	15.0000	14
2 Dichlorodifluoromethane	85	4.298	4.304	(0.356)	1381719	15.0000	15
3 Chlorodifluoromethane	51	4.357	4.363	(0.361)	601239	15.0000	15
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.645	4.651	(0.385)	1371532	15.0000	15
5 Chloromethane	50	4.806	4.811	(0.398)	288654	15.0000	15
6 Butane	43	5.072	5.078	(0.420)	493310	15.0000	15
7 Vinyl chloride	62	5.115	5.115	(0.424)	385411	15.0000	15
8 1,3-Butadiene	54	5.211	5.216	(0.432)	271031	15.0000	15
9 Bromomethane	94	5.996	5.990	(0.497)	432538	15.0000	15
10 Chloroethane	64	6.268	6.268	(0.520)	191726	15.0000	15
11 2-Methylbutane	43	6.380	6.380	(0.529)	358035	15.0000	15
12 Vinyl bromide	106	6.711	6.711	(0.556)	503828	15.0000	15
13 Trichlorofluoromethane	101	6.844	6.844	(0.567)	1450350	15.0000	15
14 Pentane	43	7.010	7.010	(0.581)	575686	15.0000	15

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.405	7.522	(0.614)	125129	20.0000	21(H)
16 Ethyl ether	59	7.559	7.565	(0.627)	269248	15.0000	15(Q)
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.013	8.018	(0.664)	1012000	15.0000	15
18 Acrolein	56	7.912	7.917	(0.656)	119764	15.0000	16
19 1,1-Dichloroethene	96	8.050	8.050	(0.667)	475934	15.0000	15
20 Acetone	43	8.242	8.248	(0.683)	494441	15.0000	14
21 Carbon disulfide	76	8.488	8.488	(0.704)	1248619	15.0000	15
22 Isopropanol	45	8.547	8.632	(0.708)	341205	15.0000	15
23 Allyl chloride	41	8.856	8.862	(0.734)	433878	15.0000	15(M)
24 Acetonitrile	41	8.910	8.915	(0.739)	177606	15.0000	15(QM)
25 Methylene chloride	49	9.150	9.150	(0.758)	370626	15.0000	15
26 Tert-butyl alcohol	59	9.358	9.433	(0.776)	592060	15.0000	14
27 Methyl tert-butyl ether	73	9.619	9.619	(0.797)	1332718	15.0000	15
28 1,2-Dichloroethene (trans)	61	9.641	9.641	(0.799)	623725	15.0000	15
29 Acrylonitrile	53	9.710	9.715	(0.805)	228311	15.0000	15
30 n-Hexane	57	10.078	10.084	(0.835)	632476	15.0000	15
31 1,1-Dichloroethane	63	10.521	10.521	(0.872)	794063	15.0000	15
32 Vinyl acetate	43	10.580	10.580	(0.877)	806141	15.0000	15
M 33 1,2-Dichloroethene,Total	61				1175659	30.0000	30
34 1,2-Dichloroethene (cis)	96	11.621	11.621	(0.963)	551934	15.0000	15
35 Ethyl acetate	88	11.695	11.701	(0.969)	42274	15.0000	15
36 Methyl Ethyl Ketone	72	11.637	11.642	(0.965)	201183	15.0000	14
* 37 Bromochloromethane	128	12.064	12.069	(1.000)	363996	10.0000	
38 Tetrahydrofuran	42	12.112	12.117	(0.872)	339410	15.0000	15
39 Chloroform	83	12.181	12.186	(1.010)	1082691	15.0000	15
40 Cyclohexane	84	12.523	12.523	(0.902)	750617	15.0000	15
41 1,1,1-Trichloroethane	97	12.496	12.501	(0.900)	1266025	15.0000	15
42 Carbon tetrachloride	117	12.758	12.758	(0.919)	1336819	15.0000	15
43 2,2,4-Trimethylpentane	57	13.174	13.174	(0.948)	2044663	15.0000	15
44 Benzene	78	13.163	13.163	(0.948)	1528525	15.0000	15
45 1,2-Dichloroethane	62	13.281	13.286	(0.956)	724886	15.0000	15
46 n-Heptane	43	13.521	13.515	(0.973)	661406	15.0000	15
* 47 1,4-Difluorobenzene	114	13.889	13.894	(1.000)	2009988	10.0000	
48 n-Butanol	56	14.177	14.204	(1.021)	138515	15.0000	14
49 Trichloroethene	95	14.348	14.348	(1.033)	768229	15.0000	15
50 1,2-Dichloropropane	63	14.812	14.812	(1.066)	476419	15.0000	15
51 Methyl methacrylate	69	14.940	14.946	(1.076)	453064	15.0000	16
52 Dibromomethane	174	15.036	15.036	(1.083)	701622	15.0000	15
53 1,4-Dioxane	88	15.010	15.020	(1.081)	201471	15.0000	15
54 Bromodichloromethane	83	15.282	15.293	(1.100)	1232475	15.0000	16
55 1,3-Dichloropropene (cis)	75	16.130	16.136	(1.161)	877661	15.0000	16
56 Methyl isobutyl ketone	43	16.371	16.381	(1.179)	658002	15.0000	15
57 n-Octane	43	16.782	16.782	(1.208)	929163	15.0000	15
58 Toluene	92	16.707	16.707	(0.860)	1274946	15.0000	15
59 1,3-Dichloropropene (trans)	75	17.192	17.203	(1.238)	903933	15.0000	15
60 1,1,2-Trichloroethane	83	17.545	17.550	(0.904)	538446	15.0000	15
61 Tetrachloroethene	166	17.737	17.737	(0.913)	1154912	15.0000	15

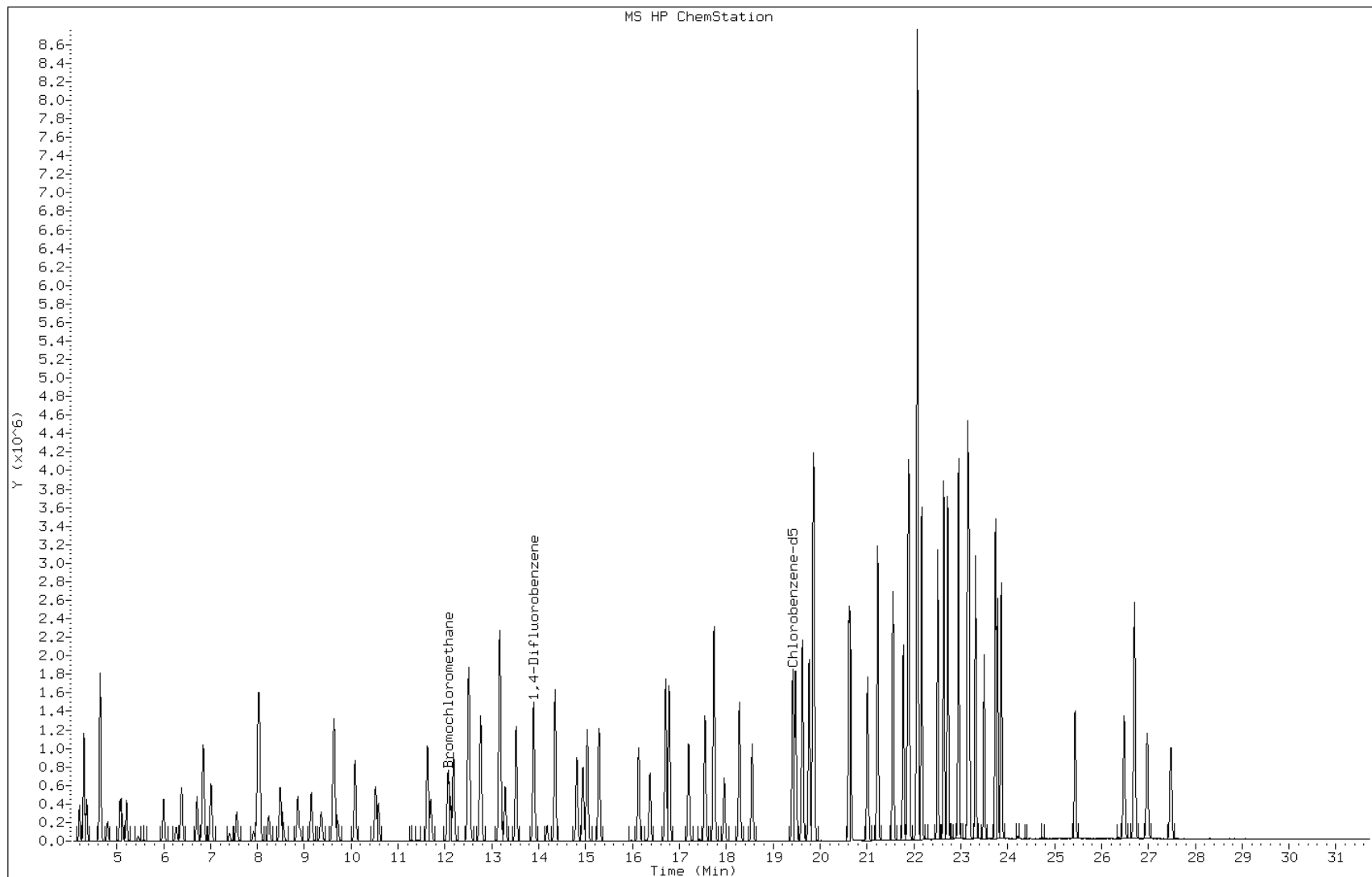
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	17.956	17.966	(0.925)	600613	15.0000	15
63 Dibromochloromethane	129	18.281	18.287	(0.941)	1337492	15.0000	16
64 1,2-Dibromoethane	107	18.548	18.553	(0.955)	1147671	15.0000	15
* 65 Chlorobenzene-d5	117	19.418	19.418	(1.000)	1899016	10.0000	
66 Chlorobenzene	112	19.477	19.477	(1.003)	1842917	15.0000	15
67 n-Nonane	57	19.765	19.765	(1.018)	964240	15.0000	15
68 Ethylbenzene	91	19.621	19.626	(1.010)	2616312	15.0000	15
69 Xylene (m,p)	106	19.861	19.861	(1.023)	2293077	30.0000	30
M 70 Xylenes, Total	106				3402742	15.0000	45
71 Xylene (o)	106	20.613	20.619	(1.062)	1109665	15.0000	15
72 Styrene	104	20.651	20.651	(1.063)	1686157	15.0000	16
73 Bromoform	173	21.014	21.014	(1.082)	1222980	15.0000	16
74 Isopropylbenzene	105	21.227	21.227	(1.093)	3140417	15.0000	15
75 1,1,2,2-Tetrachloroethane	83	21.772	21.772	(1.121)	1305621	15.0000	15
76 n-Propylbenzene	91	21.894	21.889	(1.128)	3465692	15.0000	15
77 1,2,3-Trichloropropane	75	21.873	21.873	(1.126)	1039035	15.0000	15
78 n-Decane	57	22.070	22.070	(1.137)	1174586	15.0000	16
79 4-Ethyltoluene	105	22.065	22.070	(1.136)	3175846	15.0000	16
80 2-Chlorotoluene	91	22.076	22.076	(1.137)	2523779	15.0000	15
81 1,3,5-Trimethylbenzene	105	22.166	22.166	(1.142)	2636629	15.0000	15
82 Alpha Methyl Styrene	118	22.508	22.508	(1.159)	1328653	15.0000	16
83 tert-butylbenzene	119	22.636	22.636	(1.166)	2647394	15.0000	15
84 1,2,4-Trimethylbenzene	105	22.721	22.722	(1.170)	2586587	15.0000	16
85 sec-Butylbenzene	105	22.951	22.951	(1.182)	3720224	15.0000	15
86 4-Isopropyltoluene	119	23.148	23.148	(1.192)	3294258	15.0000	16
87 1,3-Dichlorobenzene	146	23.180	23.180	(1.194)	1832636	15.0000	15
88 1,4-Dichlorobenzene	146	23.314	23.314	(1.201)	1770622	15.0000	15
89 Benzyl chloride	91	23.495	23.495	(1.210)	1915856	15.0000	17
90 Undecane	57	23.784	23.784	(1.225)	1041274	15.0000	16
91 n-Butylbenzene	91	23.741	23.741	(1.223)	2468766	15.0000	17
92 1,2-Dichlorobenzene	146	23.864	23.864	(1.229)	1698166	15.0000	15
93 Dodecane	57	25.438	25.438	(1.310)	622793	15.0000	16
94 1,2,4-Trichlorobenzene	180	26.484	26.484	(1.364)	743029	15.0000	15
95 1,3-Hexachlorobutadiene	225	26.708	26.703	(1.375)	825770	15.0000	16
96 Naphthalene	128	26.975	26.975	(1.389)	1726305	15.0000	16
97 1,2,3-Trichlorobenzene	180	27.482	27.482	(1.415)	607391	15.0000	15

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: cla008.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 370603
Lab Sample ID: ic 370603

Date: 19-SEP-2012 18:19
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

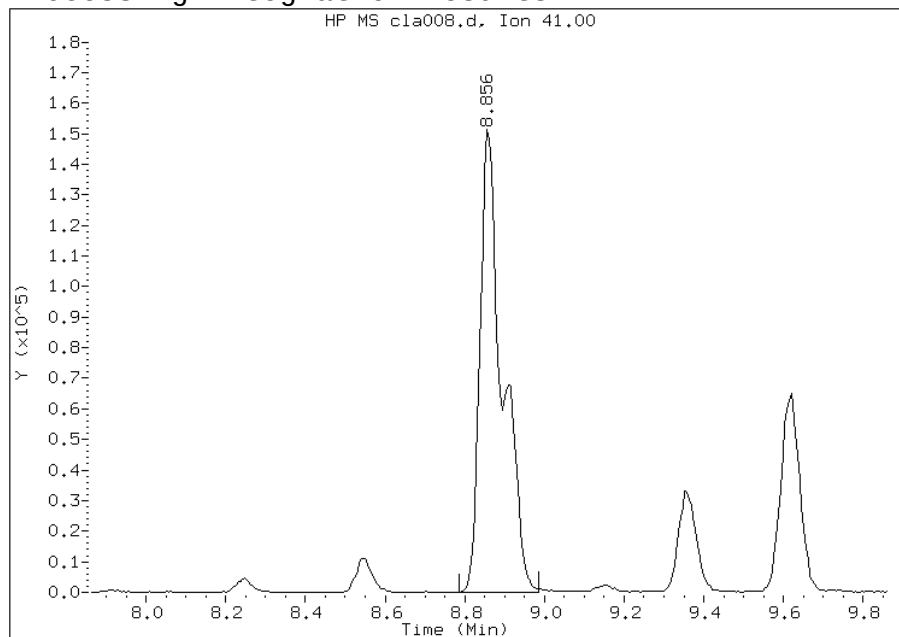


Manual Integration Report

Data File: cla008.d
Lab Sample ID: ic 370603
Inj. Date and Time: 19-SEP-2012 18:19
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 09/21/2012

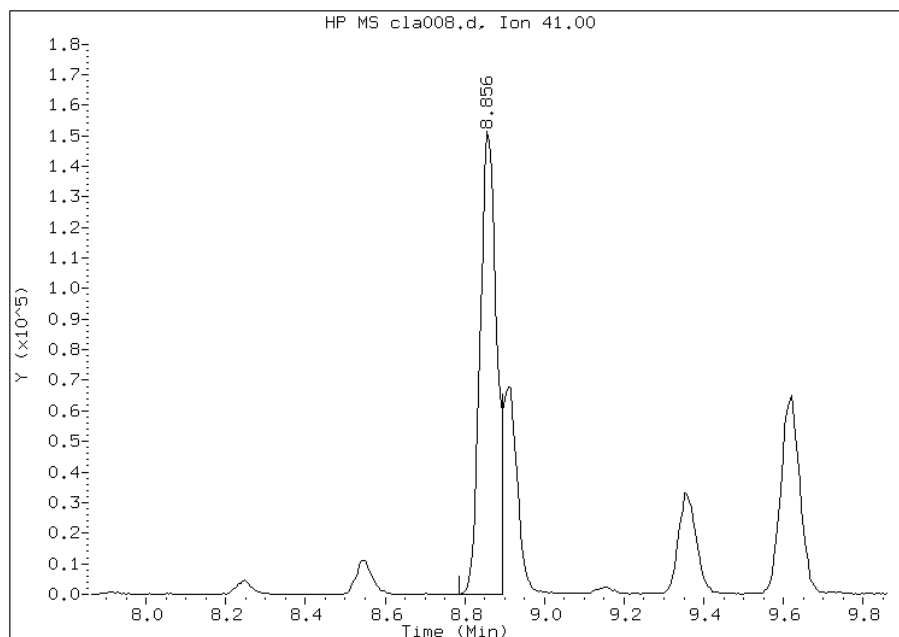
Processing Integration Results

RT: 8.86
Response: 592373
Amount: 18.82
Conc: 18.82



Manual Integration Results

RT: 8.86
Response: 433878
Amount: 15.42
Conc: 15.42



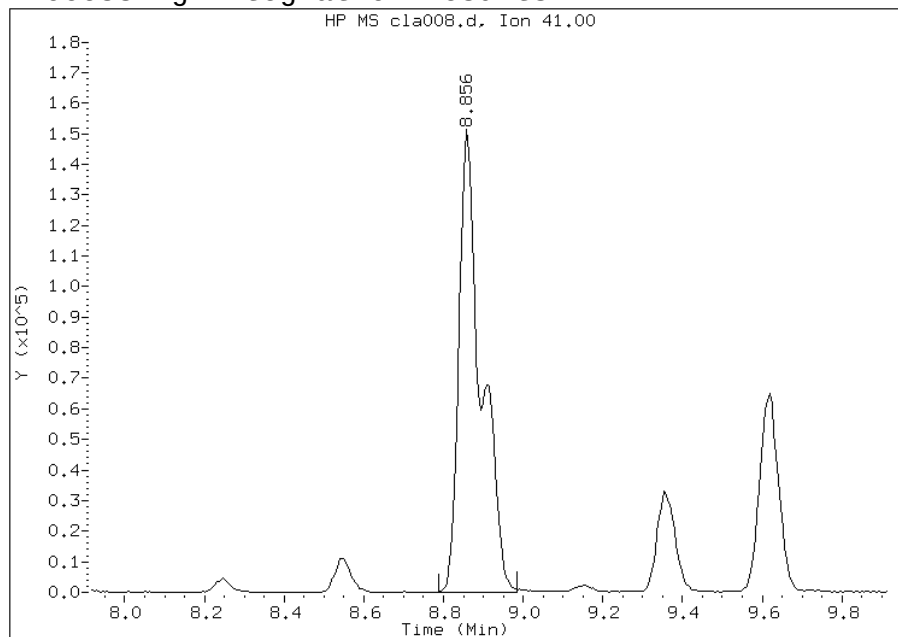
File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: cla008.d
Lab Sample ID: ic 370603
Inj. Date and Time: 19-SEP-2012 18:19
Instrument ID: C.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 09/21/2012

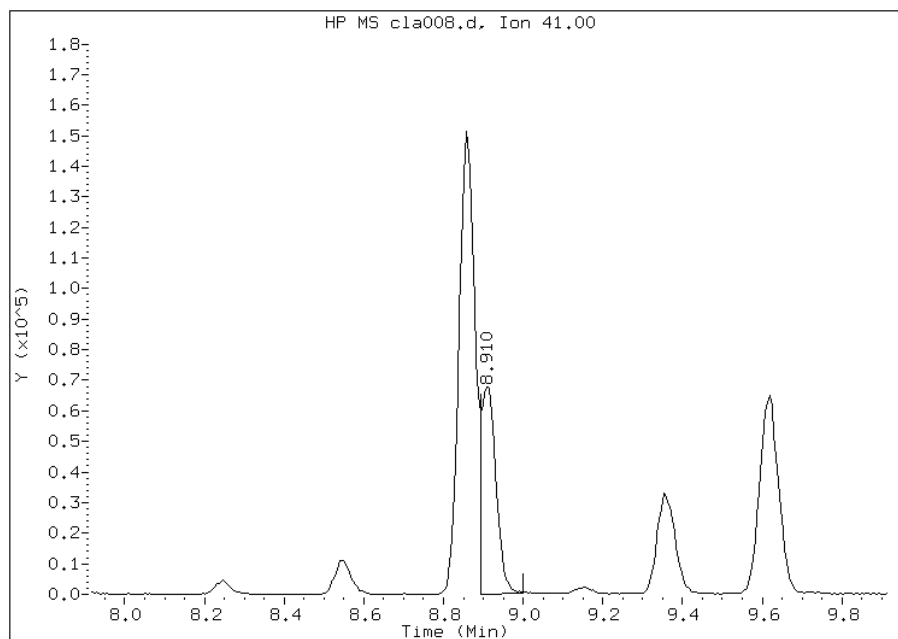
Processing Integration Results

RT: 8.86
Response: 592373
Amount: 23.14
Conc: 23.14



Manual Integration Results

RT: 8.91
Response: 177606
Amount: 14.95
Conc: 14.95



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/clato15.b/cla009.d
Lab Smp Id: ic 370601
Inj Date : 19-SEP-2012 19:13
Operator : wrd
Smp Info : ic 370601
Misc Info : 200,1,lv1 6
Comment :
Method : /chem/C.i/Csvr.p/clato15.b/to15v5.m
Meth Date : 20-Sep-2012 12:17 wrd
Cal Date : 19-SEP-2012 19:13
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: C.i
Quant Type: ISTD
Cal File: cla009.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	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	4.208	4.208	(0.349)	322487	20.0000	19
2 Dichlorodifluoromethane	85	4.298	4.304	(0.356)	1848798	20.0000	19
3 Chlorodifluoromethane	51	4.357	4.363	(0.361)	803345	20.0000	19
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.645	4.651	(0.385)	1849373	20.0000	20
5 Chloromethane	50	4.806	4.811	(0.398)	389708	20.0000	19
6 Butane	43	5.072	5.078	(0.420)	689807	20.0000	20
7 Vinyl chloride	62	5.110	5.115	(0.424)	535916	20.0000	20
8 1,3-Butadiene	54	5.211	5.216	(0.432)	378959	20.0000	21
9 Bromomethane	94	5.996	5.990	(0.497)	581314	20.0000	20
10 Chloroethane	64	6.273	6.268	(0.520)	266922	20.0000	20
11 2-Methylbutane	43	6.380	6.380	(0.529)	486760	20.0000	20
12 Vinyl bromide	106	6.711	6.711	(0.556)	687589	20.0000	20
13 Trichlorofluoromethane	101	6.844	6.844	(0.567)	1948983	20.0000	20
14 Pentane	43	7.010	7.010	(0.581)	780237	20.0000	20

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.399	7.522	(0.613)	249380	40.0000	41(H)
16 Ethyl ether	59	7.554	7.565	(0.626)	356331	20.0000	20(Q)
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.018	8.018	(0.665)	1375528	20.0000	20
18 Acrolein	56	7.917	7.917	(0.656)	153406	20.0000	20
19 1,1-Dichloroethene	96	8.050	8.050	(0.667)	650100	20.0000	20
20 Acetone	43	8.242	8.248	(0.683)	625823	20.0000	18
21 Carbon disulfide	76	8.488	8.488	(0.704)	1700721	20.0000	20
22 Isopropanol	45	8.547	8.632	(0.708)	451943	20.0000	19
23 Allyl chloride	41	8.862	8.862	(0.735)	576360	20.0000	20(M)
24 Acetonitrile	41	8.899	8.915	(0.738)	227839	20.0000	19(QM)
25 Methylene chloride	49	9.150	9.150	(0.758)	495108	20.0000	19
26 Tert-butyl alcohol	59	9.358	9.433	(0.776)	820654	20.0000	19
27 Methyl tert-butyl ether	73	9.619	9.619	(0.797)	1753371	20.0000	19
28 1,2-Dichloroethene (trans)	61	9.641	9.641	(0.799)	846787	20.0000	20
29 Acrylonitrile	53	9.710	9.715	(0.805)	296511	20.0000	19
30 n-Hexane	57	10.084	10.084	(0.836)	852243	20.0000	20
31 1,1-Dichloroethane	63	10.521	10.521	(0.872)	1062707	20.0000	20
32 Vinyl acetate	43	10.580	10.580	(0.877)	1043754	20.0000	19
M 33 1,2-Dichloroethene,Total	61				1603281	40.0000	40
34 1,2-Dichloroethene (cis)	96	11.621	11.621	(0.963)	756494	20.0000	20
35 Ethyl acetate	88	11.695	11.701	(0.969)	57869	20.0000	20
36 Methyl Ethyl Ketone	72	11.637	11.642	(0.965)	262980	20.0000	18
* 37 Bromochloromethane	128	12.064	12.069	(1.000)	372372	10.0000	
38 Tetrahydrofuran	42	12.112	12.117	(0.872)	443042	20.0000	19
39 Chloroform	83	12.181	12.186	(1.010)	1464006	20.0000	20
40 Cyclohexane	84	12.517	12.523	(0.901)	1015614	20.0000	20
41 1,1,1-Trichloroethane	97	12.501	12.501	(0.900)	1713778	20.0000	20
42 Carbon tetrachloride	117	12.758	12.758	(0.918)	1816943	20.0000	20
43 2,2,4-Trimethylpentane	57	13.174	13.174	(0.948)	2784868	20.0000	20
44 Benzene	78	13.163	13.163	(0.947)	2084437	20.0000	20
45 1,2-Dichloroethane	62	13.281	13.286	(0.956)	969322	20.0000	19
46 n-Heptane	43	13.515	13.515	(0.973)	898896	20.0000	20
* 47 1,4-Difluorobenzene	114	13.894	13.894	(1.000)	2055330	10.0000	
48 n-Butanol	56	14.177	14.204	(1.020)	197440	20.0000	20
49 Trichloroethene	95	14.348	14.348	(1.033)	1052034	20.0000	20
50 1,2-Dichloropropane	63	14.812	14.812	(1.066)	639992	20.0000	20
51 Methyl methacrylate	69	14.940	14.946	(1.075)	603767	20.0000	21
52 Dibromomethane	174	15.036	15.036	(1.082)	953828	20.0000	20
53 1,4-Dioxane	88	15.010	15.020	(1.080)	270493	20.0000	19
54 Bromodichloromethane	83	15.287	15.293	(1.100)	1660565	20.0000	21
55 1,3-Dichloropropene (cis)	75	16.130	16.136	(1.161)	1178210	20.0000	20
56 Methyl isobutyl ketone	43	16.371	16.381	(1.178)	904495	20.0000	21
57 n-Octane	43	16.782	16.782	(1.208)	1230630	20.0000	20
58 Toluene	92	16.707	16.707	(0.860)	1693003	20.0000	19
59 1,3-Dichloropropene (trans)	75	17.198	17.203	(1.238)	1194928	20.0000	20
60 1,1,2-Trichloroethane	83	17.545	17.550	(0.904)	713423	20.0000	20
61 Tetrachloroethene	166	17.737	17.737	(0.913)	1564542	20.0000	20

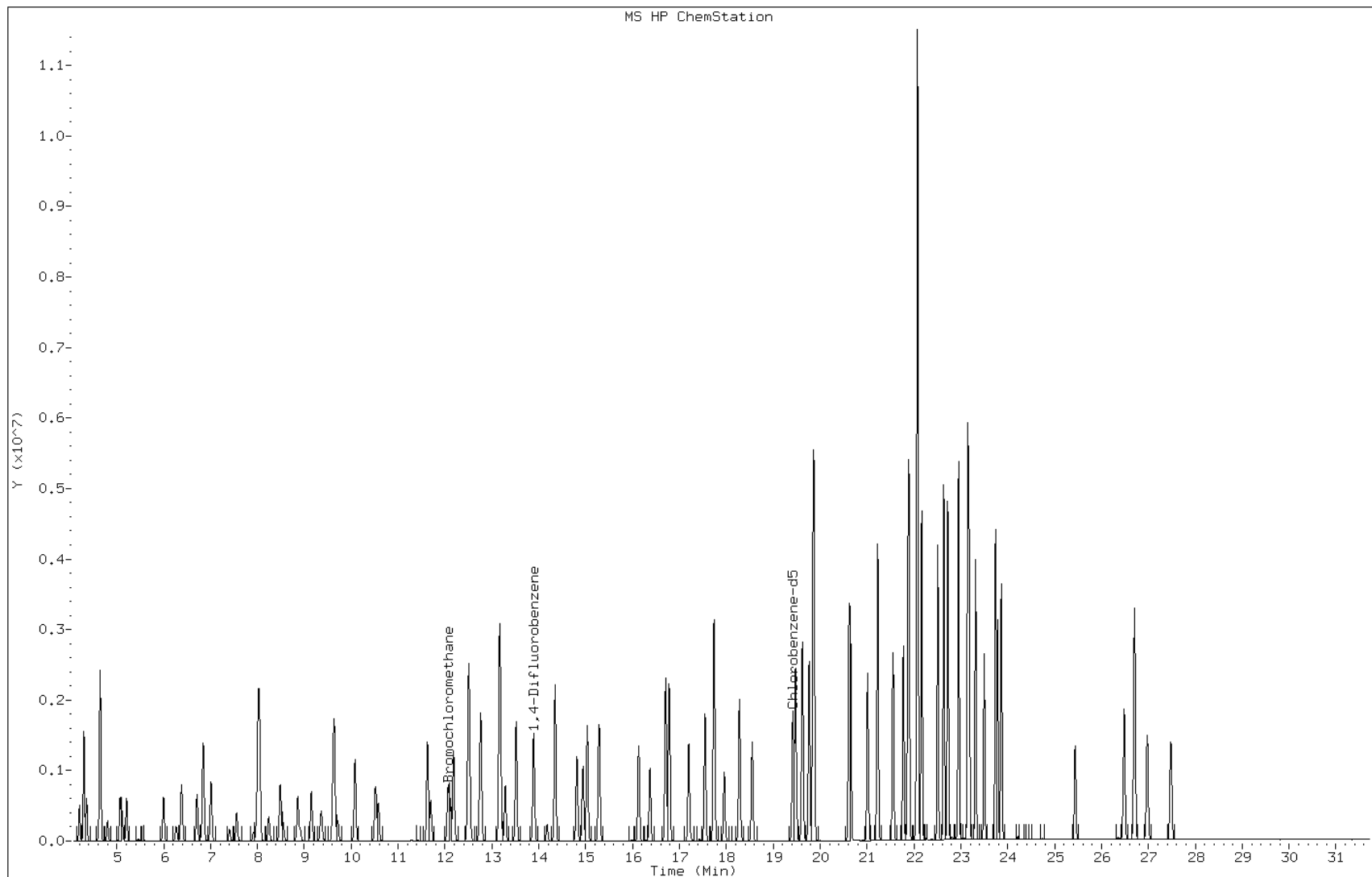
Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====
62 2-Hexanone	43		17.956	17.966	(0.925)	874173	20.0000	21
63 Dibromochloromethane	129		18.281	18.287	(0.941)	1808049	20.0000	21
64 1,2-Dibromoethane	107		18.548	18.553	(0.955)	1541004	20.0000	21
* 65 Chlorobenzene-d5	117		19.418	19.418	(1.000)	1907775	10.0000	
66 Chlorobenzene	112		19.477	19.477	(1.003)	2460032	20.0000	20
67 n-Nonane	57		19.765	19.765	(1.018)	1276870	20.0000	20
68 Ethylbenzene	91		19.621	19.626	(1.010)	3475459	20.0000	20
69 Xylene (m,p)	106		19.861	19.861	(1.023)	3032623	40.0000	39
M 70 Xylenes, Total	106					4492006	20.0000	59
71 Xylene (o)	106		20.613	20.619	(1.062)	1459383	20.0000	19
72 Styrene	104		20.651	20.651	(1.063)	2232443	20.0000	21
73 Bromoform	173		21.014	21.014	(1.082)	1638280	20.0000	21
74 Isopropylbenzene	105		21.227	21.227	(1.093)	4159880	20.0000	20
75 1,1,2,2-Tetrachloroethane	83		21.772	21.772	(1.121)	1737445	20.0000	20
76 n-Propylbenzene	91		21.894	21.889	(1.128)	4559882	20.0000	20
77 1,2,3-Trichloropropane	75		21.873	21.873	(1.126)	1360645	20.0000	19
78 n-Decane	57		22.076	22.070	(1.137)	1516571	20.0000	20
79 4-Ethyltoluene	105		22.070	22.070	(1.137)	4157221	20.0000	20
80 2-Chlorotoluene	91		22.076	22.076	(1.137)	3325250	20.0000	20
81 1,3,5-Trimethylbenzene	105		22.166	22.166	(1.142)	3455134	20.0000	20
82 Alpha Methyl Styrene	118		22.508	22.508	(1.159)	1813856	20.0000	22
83 tert-butylbenzene	119		22.636	22.636	(1.166)	3470227	20.0000	20
84 1,2,4-Trimethylbenzene	105		22.721	22.722	(1.170)	3363539	20.0000	20
85 sec-Butylbenzene	105		22.951	22.951	(1.182)	4889052	20.0000	20
86 4-Isopropyltoluene	119		23.148	23.148	(1.192)	4323424	20.0000	21
87 1,3-Dichlorobenzene	146		23.180	23.180	(1.194)	2394037	20.0000	20
88 1,4-Dichlorobenzene	146		23.314	23.314	(1.201)	2325511	20.0000	20
89 Benzyl chloride	91		23.501	23.495	(1.210)	2538026	20.0000	22
90 Undecane	57		23.784	23.784	(1.225)	1237015	20.0000	18
91 n-Butylbenzene	91		23.741	23.741	(1.223)	3180248	20.0000	21
92 1,2-Dichlorobenzene	146		23.864	23.864	(1.229)	2226004	20.0000	20
93 Dodecane	57		25.438	25.438	(1.310)	592763	20.0000	15
94 1,2,4-Trichlorobenzene	180		26.484	26.484	(1.364)	1034945	20.0000	21
95 1,3-Hexachlorobutadiene	225		26.708	26.703	(1.375)	1077978	20.0000	20
96 Naphthalene	128		26.975	26.975	(1.389)	2265061	20.0000	21
97 1,2,3-Trichlorobenzene	180		27.477	27.482	(1.415)	845782	20.0000	21

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: cla009.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 370601
Lab Sample ID: ic 370601

Date: 19-SEP-2012 19:13
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

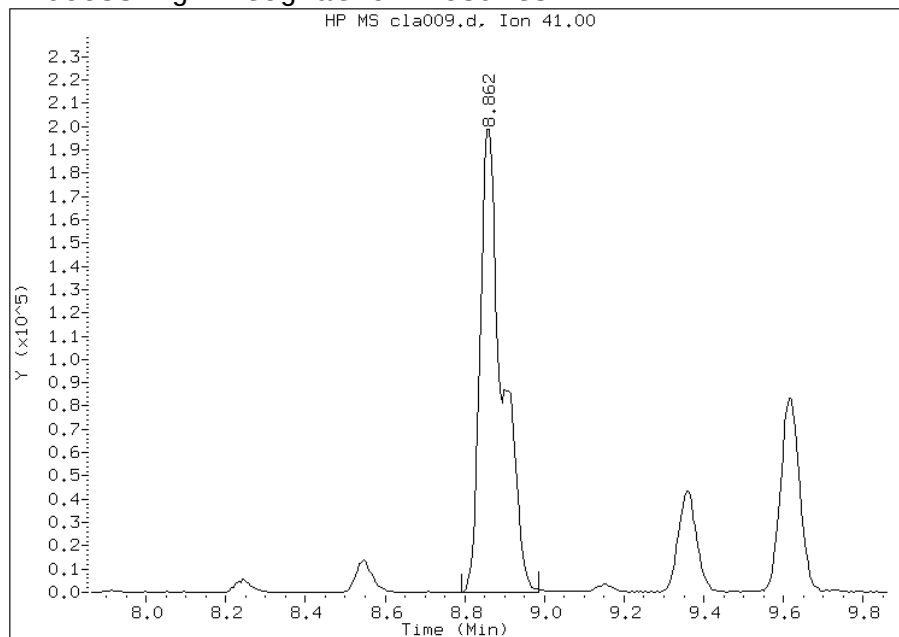


Manual Integration Report

Data File: cla009.d
Lab Sample ID: ic 370601
Inj. Date and Time: 19-SEP-2012 19:13
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 09/21/2012

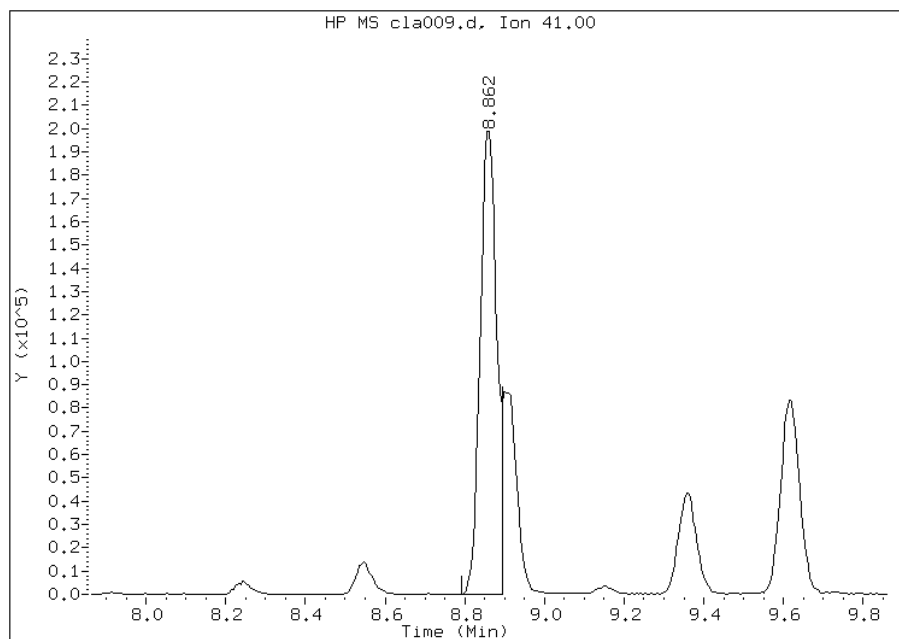
Processing Integration Results

RT: 8.86
Response: 778899
Amount: 25.62
Conc: 25.62



Manual Integration Results

RT: 8.86
Response: 576360
Amount: 20.03
Conc: 20.03



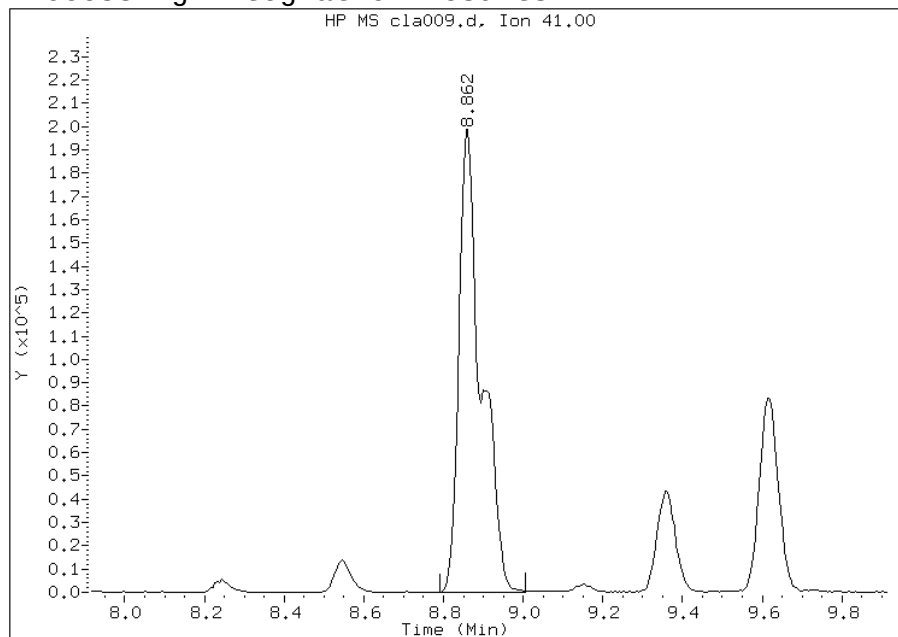
File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: cla009.d
Lab Sample ID: ic 370601
Inj. Date and Time: 19-SEP-2012 19:13
Instrument ID: C.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 09/21/2012

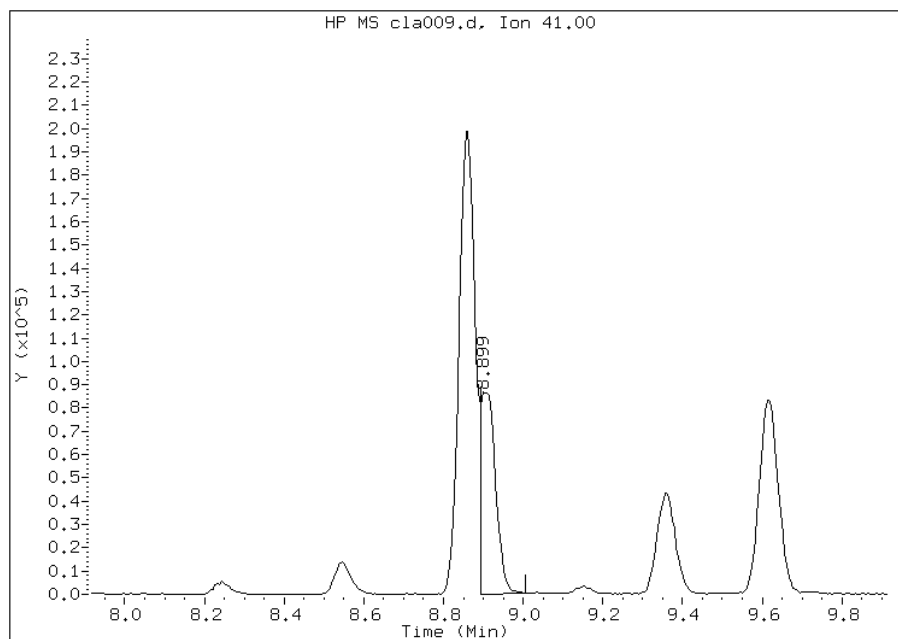
Processing Integration Results

RT: 8.86
Response: 779901
Amount: 40.81
Conc: 40.81



Manual Integration Results

RT: 8.90
Response: 227839
Amount: 18.74
Conc: 18.74



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/clato15.b/cla010.d
 Lab Smp Id: ic 370600
 Inj Date : 19-SEP-2012 20:06
 Operator : wrd
 Smp Info : ic 370600
 Misc Info : 200,1,lv1 7
 Comment :
 Method : /chem/C.i/Csvr.p/clato15.b/to15v5.m
 Meth Date : 20-Sep-2012 12:17 wrd
 Cal Date : 19-SEP-2012 20:06
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: C.i
 Quant Type: ISTD
 Cal File: cla010.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	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT	ON-COL
							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	
1 Propene	41	4.208	4.208	(0.349)	641267	40.0000	36	
2 Dichlorodifluoromethane	85	4.304	4.304	(0.357)	3697858	40.0000	38	
3 Chlorodifluoromethane	51	4.363	4.363	(0.361)	1604598	40.0000	37	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.645	4.651	(0.385)	3742168	40.0000	38	
5 Chloromethane	50	4.806	4.811	(0.398)	781560	40.0000	37	
6 Butane	43	5.072	5.078	(0.420)	1386830	40.0000	39	
7 Vinyl chloride	62	5.115	5.115	(0.424)	1090220	40.0000	39	
8 1,3-Butadiene	54	5.211	5.216	(0.432)	770069	40.0000	40(A)	
9 Bromomethane	94	6.001	5.990	(0.497)	1180608	40.0000	38	
10 Chloroethane	64	6.273	6.268	(0.520)	536749	40.0000	40	
11 2-Methylbutane	43	6.385	6.380	(0.529)	992114	40.0000	39	
12 Vinyl bromide	106	6.716	6.711	(0.556)	1412470	40.0000	40(A)	
13 Trichlorofluoromethane	101	6.844	6.844	(0.567)	3955951	40.0000	38	
14 Pentane	43	7.015	7.010	(0.581)	1562391	40.0000	39	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.410	7.522	(0.614)	644074	100.000	100(AH)
16 Ethyl ether	59	7.559	7.565	(0.626)	725646	40.0000	39(Q)
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.018	8.018	(0.664)	2788917	40.0000	39
18 Acrolein	56	7.917	7.917	(0.656)	316258	40.0000	39
19 1,1-Dichloroethene	96	8.050	8.050	(0.667)	1328987	40.0000	39
20 Acetone	43	8.242	8.248	(0.683)	1251382	40.0000	34
21 Carbon disulfide	76	8.488	8.488	(0.703)	3447482	40.0000	40
22 Isopropanol	45	8.557	8.632	(0.709)	918012	40.0000	37
23 Allyl chloride	41	8.862	8.862	(0.734)	1171543	40.0000	39(M)
24 Acetonitrile	41	8.910	8.915	(0.738)	456642	40.0000	36(QM)
25 Methylene chloride	49	9.150	9.150	(0.758)	987568	40.0000	37
26 Tert-butyl alcohol	59	9.369	9.433	(0.776)	1625761	40.0000	37
27 Methyl tert-butyl ether	73	9.619	9.619	(0.797)	3548859	40.0000	38
28 1,2-Dichloroethene (trans)	61	9.646	9.641	(0.799)	1696084	40.0000	39
29 Acrylonitrile	53	9.715	9.715	(0.805)	618100	40.0000	39
30 n-Hexane	57	10.084	10.084	(0.836)	1718252	40.0000	39
31 1,1-Dichloroethane	63	10.521	10.521	(0.872)	2134273	40.0000	38
32 Vinyl acetate	43	10.585	10.580	(0.877)	2142365	40.0000	38
M 33 1,2-Dichloroethene,Total	61				3224637	80.0000	77
34 1,2-Dichloroethene (cis)	96	11.626	11.621	(0.963)	1528553	40.0000	38
35 Ethyl acetate	88	11.701	11.701	(0.969)	116417	40.0000	38
36 Methyl Ethyl Ketone	72	11.642	11.642	(0.965)	537176	40.0000	36
* 37 Bromochloromethane	128	12.069	12.069	(1.000)	385808	10.0000	
38 Tetrahydrofuran	42	12.112	12.117	(0.872)	880793	40.0000	38
39 Chloroform	83	12.186	12.186	(1.010)	2968545	40.0000	38
40 Cyclohexane	84	12.523	12.523	(0.901)	2067088	40.0000	41(A)
41 1,1,1-Trichloroethane	97	12.501	12.501	(0.900)	3466033	40.0000	39
42 Carbon tetrachloride	117	12.763	12.758	(0.919)	3720266	40.0000	41(A)
43 2,2,4-Trimethylpentane	57	13.179	13.174	(0.949)	5625336	40.0000	41(A)
44 Benzene	78	13.163	13.163	(0.947)	4225948	40.0000	40
45 1,2-Dichloroethane	62	13.286	13.286	(0.956)	1935754	40.0000	38
46 n-Heptane	43	13.521	13.515	(0.973)	1777359	40.0000	39
* 47 1,4-Difluorobenzene	114	13.894	13.894	(1.000)	2077039	10.0000	
48 n-Butanol	56	14.182	14.204	(1.021)	418058	40.0000	41(A)
49 Trichloroethene	95	14.348	14.348	(1.033)	2130487	40.0000	40
50 1,2-Dichloropropane	63	14.812	14.812	(1.066)	1273248	40.0000	39
51 Methyl methacrylate	69	14.946	14.946	(1.076)	1237573	40.0000	42(A)
52 Dibromomethane	174	15.042	15.036	(1.083)	1933404	40.0000	40(A)
53 1,4-Dioxane	88	15.015	15.020	(1.081)	528949	40.0000	37
54 Bromodichloromethane	83	15.287	15.293	(1.100)	3353191	40.0000	41(A)
55 1,3-Dichloropropene (cis)	75	16.136	16.136	(1.161)	2375427	40.0000	41(A)
56 Methyl isobutyl ketone	43	16.376	16.381	(1.179)	1777191	40.0000	40
57 n-Octane	43	16.782	16.782	(1.208)	2450155	40.0000	38
58 Toluene	92	16.707	16.707	(0.860)	3435067	40.0000	40(A)
59 1,3-Dichloropropene (trans)	75	17.198	17.203	(1.238)	2451562	40.0000	40(A)
60 1,1,2-Trichloroethane	83	17.545	17.550	(0.904)	1432755	40.0000	40(A)
61 Tetrachloroethene	166	17.742	17.737	(0.914)	3169841	40.0000	40(A)

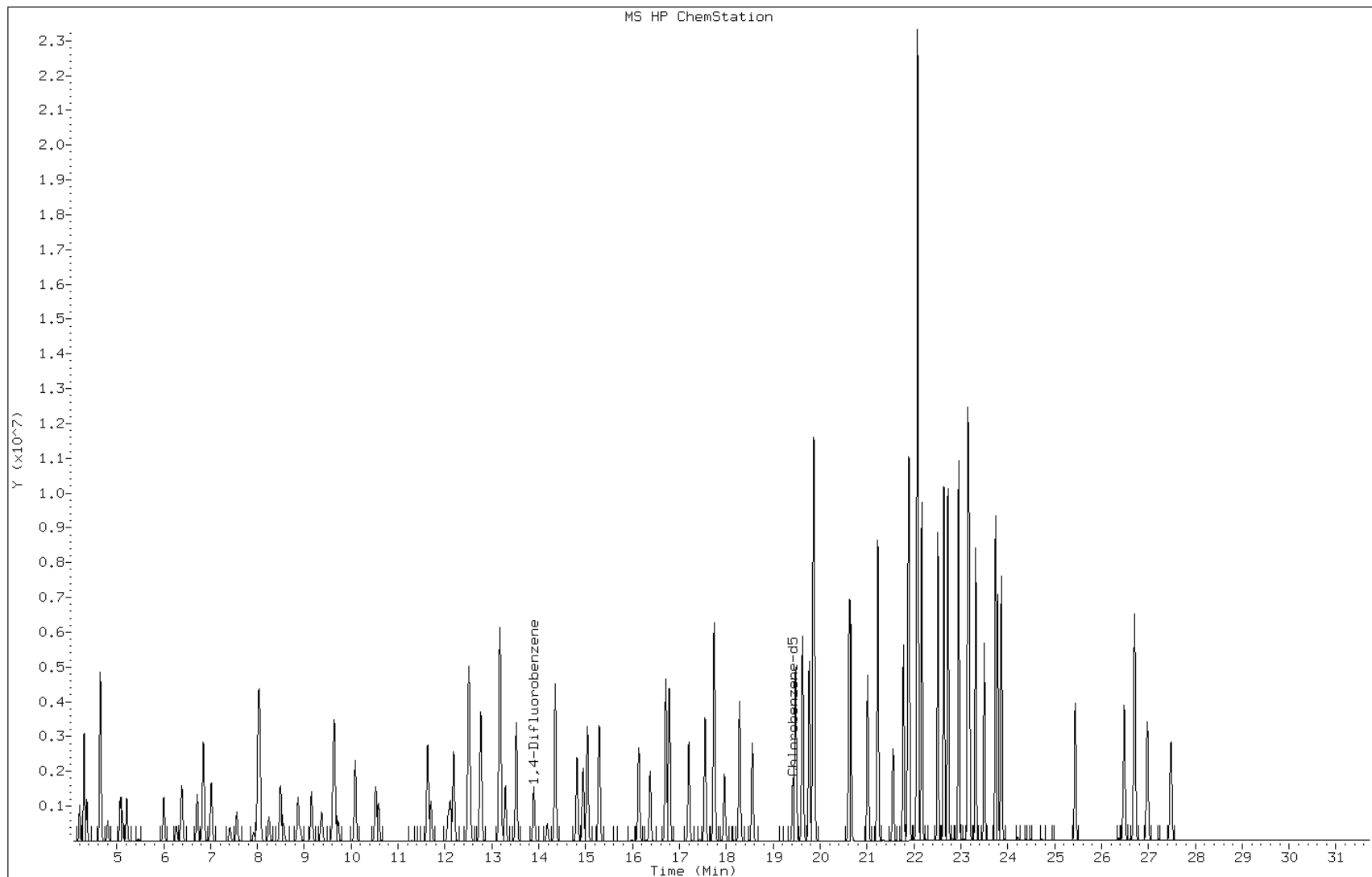
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	17.961	17.966	(0.925)	1702199	40.0000	43(A)
63 Dibromochloromethane	129	18.281	18.287	(0.941)	3689260	40.0000	44(A)
64 1,2-Dibromoethane	107	18.553	18.553	(0.955)	3110623	40.0000	42(A)
* 65 Chlorobenzene-d5	117	19.418	19.418	(1.000)	1872246	10.0000	
66 Chlorobenzene	112	19.477	19.477	(1.003)	5023890	40.0000	41(A)
67 n-Nonane	57	19.770	19.765	(1.018)	2624795	40.0000	41(A)
68 Ethylbenzene	91	19.626	19.626	(1.011)	7212048	40.0000	41(A)
69 Xylene (m,p)	106	19.861	19.861	(1.023)	6322862	80.0000	84(A)
M 70 Xylenes, Total	106				9339151	40.0000	120
71 Xylene (o)	106	20.619	20.619	(1.062)	3016289	40.0000	41(A)
72 Styrene	104	20.651	20.651	(1.063)	4808739	40.0000	47(A)
73 Bromoform	173	21.014	21.014	(1.082)	3367536	40.0000	45(A)
74 Isopropylbenzene	105	21.227	21.227	(1.093)	8717952	40.0000	42(A)
75 1,1,2,2-Tetrachloroethane	83	21.777	21.772	(1.121)	3536720	40.0000	41(A)
76 n-Propylbenzene	91	21.894	21.889	(1.128)	9637520	40.0000	43(A)
77 1,2,3-Trichloropropane	75	21.873	21.873	(1.126)	2772107	40.0000	40
78 n-Decane	57	22.076	22.070	(1.137)	3089654	40.0000	41(A)
79 4-Ethyltoluene	105	22.070	22.070	(1.137)	8753328	40.0000	44(A)
80 2-Chlorotoluene	91	22.081	22.076	(1.137)	6871216	40.0000	42(A)
81 1,3,5-Trimethylbenzene	105	22.166	22.166	(1.142)	7313305	40.0000	43(A)
82 Alpha Methyl Styrene	118	22.513	22.508	(1.159)	3889527	40.0000	48(A)
83 tert-butylbenzene	119	22.641	22.636	(1.166)	7341232	40.0000	42(A)
84 1,2,4-Trimethylbenzene	105	22.727	22.722	(1.170)	7183813	40.0000	44(A)
85 sec-Butylbenzene	105	22.951	22.951	(1.182)	10309213	40.0000	43(A)
86 4-Isopropyltoluene	119	23.148	23.148	(1.192)	9194227	40.0000	45(A)
87 1,3-Dichlorobenzene	146	23.180	23.180	(1.194)	5093670	40.0000	43(A)
88 1,4-Dichlorobenzene	146	23.314	23.314	(1.201)	4976418	40.0000	43(A)
89 Benzyl chloride	91	23.501	23.495	(1.210)	5458657	40.0000	49(A)
90 Undecane	57	23.784	23.784	(1.225)	2864108	40.0000	44(A)
91 n-Butylbenzene	91	23.741	23.741	(1.223)	6831951	40.0000	46(A)
92 1,2-Dichlorobenzene	146	23.869	23.864	(1.229)	4703654	40.0000	43(A)
93 Dodecane	57	25.438	25.438	(1.310)	1795265	40.0000	46(A)
94 1,2,4-Trichlorobenzene	180	26.484	26.484	(1.364)	2172499	40.0000	45(A)
95 1,3-Hexachlorobutadiene	225	26.708	26.703	(1.375)	2154342	40.0000	41(A)
96 Naphthalene	128	26.975	26.975	(1.389)	5229031	40.0000	50(A)
97 1,2,3-Trichlorobenzene	180	27.482	27.482	(1.415)	1715485	40.0000	44(A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: cla010.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 370600
Lab Sample ID: ic 370600

Date: 19-SEP-2012 20:06
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

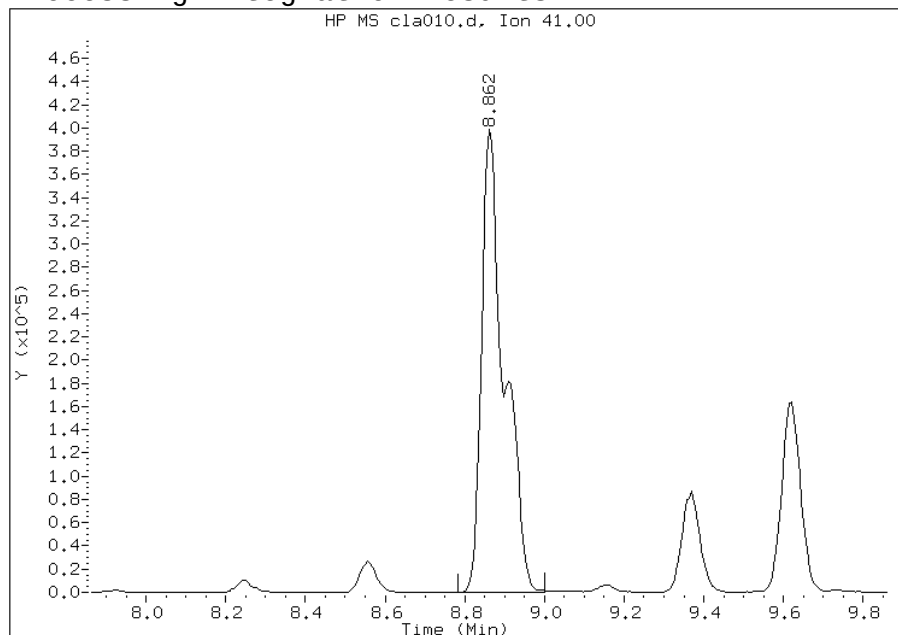


Manual Integration Report

Data File: cla010.d
Lab Sample ID: ic 370600
Inj. Date and Time: 19-SEP-2012 20:06
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 09/21/2012

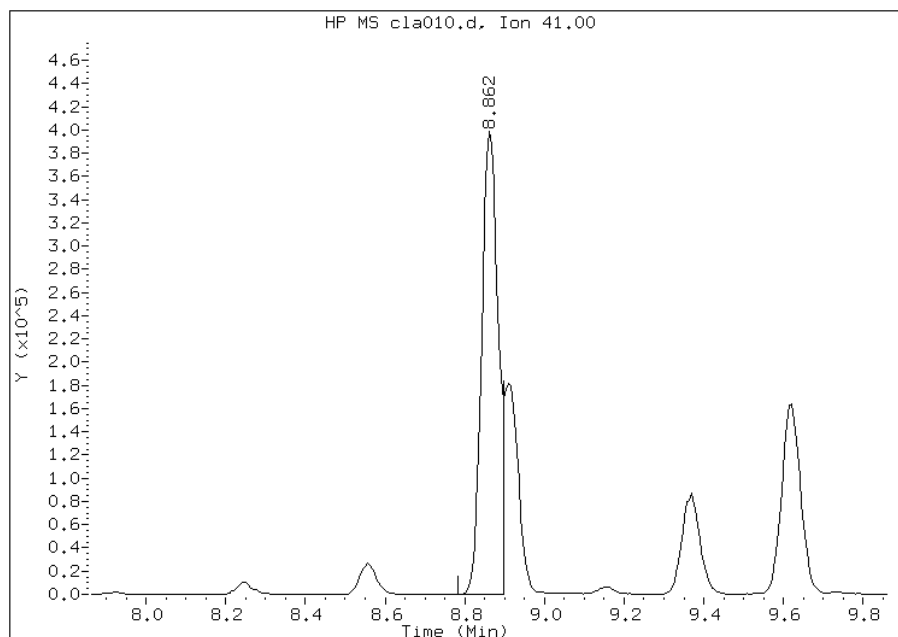
Processing Integration Results

RT: 8.86
Response: 1578131
Amount: 50.09
Conc: 50.09



Manual Integration Results

RT: 8.86
Response: 1171543
Amount: 39.29
Conc: 39.29



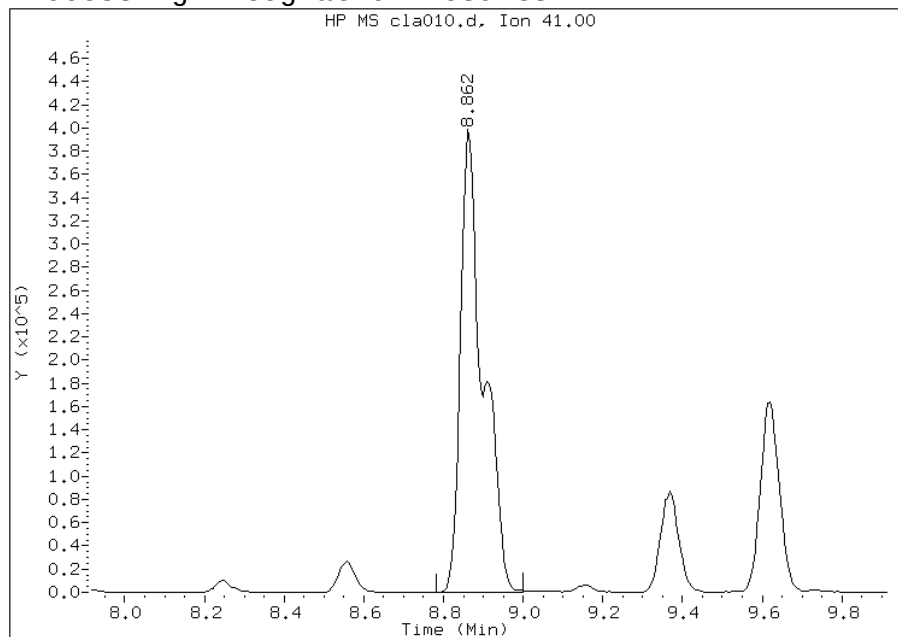
File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: cla010.d
Lab Sample ID: ic 370600
Inj. Date and Time: 19-SEP-2012 20:06
Instrument ID: C.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 09/21/2012

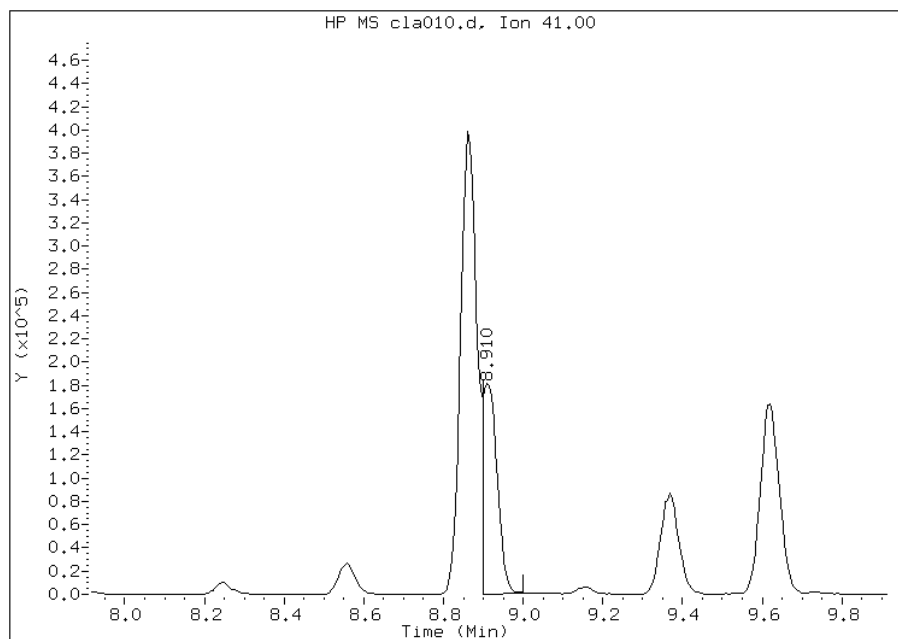
Processing Integration Results

RT: 8.86
Response: 1578131
Amount: 79.69
Conc: 79.69



Manual Integration Results

RT: 8.91
Response: 456642
Amount: 36.26
Conc: 36.26



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-26747-1
 SDG No.: _____
 Lab Sample ID: ICV 200-45233/14 Calibration Date: 09/20/2012 09:17
 Instrument ID: C.i Calib Start Date: 09/19/2012 13:52
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/19/2012 20:06
 Lab File ID: cla014.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	0.4636	0.4639		10.0	10.0	0.0	30.0
Dichlorodifluoromethane	Ave	2.547	2.525		9.91	10.0	-0.9	30.0
Freon 22	Ave	1.122	1.143		10.2	10.0	1.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.546	2.630		10.3	10.0	3.3	30.0
Chloromethane	Ave	0.5410	0.5870		10.8	10.0	8.5	30.0
n-Butane	Ave	0.9159	1.077		11.8	10.0	17.6	30.0
Vinyl chloride	Ave	0.7255	0.7608		10.5	10.0	4.9	30.0
1,3-Butadiene	Ave	0.4930	0.5685		11.5	10.0	15.3	30.0
Bromomethane	Ave	0.7972	0.8014		10.1	10.0	0.5	30.0
Chloroethane	Ave	0.3501	0.3807		10.9	10.0	8.7	30.0
Isopentane	Ave	0.6548	0.7318		11.2	10.0	11.8	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9063	0.9854		10.9	10.0	8.7	30.0
Trichlorofluoromethane	Ave	2.670	2.633		9.86	10.0	-1.4	30.0
n-Pentane	Ave	1.037	1.160		11.2	10.0	11.9	30.0
Ethanol	Ave	0.1615	0.1875		17.4	15.0	16.1	30.0
Ethyl ether	Ave	0.4821	0.4997		10.4	10.0	3.7	30.0
Acrolein	Ave	0.2083	0.1928		9.26	10.0	-7.4	30.0
Freon TF	Ave	1.859	2.095		11.3	10.0	12.7	30.0
1,1-Dichloroethene	Ave	0.8837	1.032		11.7	10.0	16.8	30.0
Acetone	Ave	0.9509	1.040		10.9	10.0	9.3	30.0
Carbon disulfide	Ave	2.249	2.541		11.3	10.0	13.0	30.0
Isopropyl alcohol	Ave	0.6372	0.6385		10.0	10.0	0.2	30.0
3-Chloropropene	Ave	0.7728	0.8162		10.6	10.0	5.6	30.0
Acetonitrile	Ave	0.3265	0.3391		10.4	10.0	3.9	30.0
Methylene Chloride	Ave	0.6929	0.7598		11.0	10.0	9.6	30.0
tert-Butyl alcohol	Ave	1.152	1.072		9.30	10.0	-7.0	30.0
Methyl tert-butyl ether	Ave	2.449	2.503		10.2	10.0	2.2	30.0
trans-1,2-Dichloroethene	Ave	1.129	1.193		10.6	10.0	5.7	30.0
Acrylonitrile	Ave	0.4141	0.4620		11.2	10.0	11.6	30.0
n-Hexane	Ave	1.146	1.321		11.5	10.0	15.3	30.0
1,1-Dichloroethane	Ave	1.451	1.523		10.5	10.0	4.9	30.0
Vinyl acetate	Ave	1.458	1.499		10.3	10.0	2.8	30.0
cis-1,2-Dichloroethene	Ave	1.035	1.107		10.7	10.0	6.9	30.0
Methyl Ethyl Ketone	Ave	0.3898	0.4034		10.3	10.0	3.5	30.0
Ethyl acetate	Ave	0.0792	0.0830		10.5	10.0	4.8	30.0
Tetrahydrofuran	Ave	0.1126	0.1110		9.85	10.0	-1.5	30.0
Chloroform	Ave	2.006	2.058		10.3	10.0	2.6	30.0
1,1,1-Trichloroethane	Ave	0.4225	0.4121		9.75	10.0	-2.5	30.0
Cyclohexane	Ave	0.2446	0.2596		10.6	10.0	6.2	30.0
Carbon tetrachloride	Ave	0.4373	0.4222		9.65	10.0	-3.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-26747-1

SDG No.: _____

Lab Sample ID: ICV 200-45233/14 Calibration Date: 09/20/2012 09:17

Instrument ID: C.i Calib Start Date: 09/19/2012 13:52

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/19/2012 20:06

Lab File ID: cla014.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
Benzene	Ave	0.5138	0.5323		10.4	10.0	3.6	30.0
2,2,4-Trimethylpentane	Ave	0.6682	0.6992		10.5	10.0	4.6	30.0
1,2-Dichloroethane	Ave	0.2423	0.2325		9.59	10.0	-4.0	30.0
n-Heptane	Ave	0.2201	0.2309		10.5	10.0	4.9	30.0
n-Butanol	Ave	0.0489	0.0477		9.76	10.0	-2.4	30.0
Trichloroethene	Ave	0.2588	0.2552		9.86	10.0	-1.4	30.0
1,2-Dichloropropane	Ave	0.1558	0.1589		10.2	10.0	2.0	30.0
Methyl methacrylate	Ave	0.1425	0.1488		10.4	10.0	4.4	30.0
1,4-Dioxane	Ave	0.0691	0.0599		8.66	10.0	-13.4	30.0
Dibromomethane	Ave	0.2305	0.2176		9.44	10.0	-5.6	30.0
Bromodichloromethane	Ave	0.3935	0.4135		10.5	10.0	5.1	30.0
cis-1,3-Dichloropropene	Ave	0.2816	0.2872		10.2	10.0	2.0	30.0
methyl isobutyl ketone	Ave	0.2141	0.2144		10.0	10.0	0.1	30.0
Toluene	Ave	0.4580	0.4581		10.0	10.0	0.0	30.0
n-Octane	Ave	0.3068	0.3186		10.4	10.0	3.8	30.0
trans-1,3-Dichloropropene	Ave	0.2915	0.2920		10.0	10.0	0.2	30.0
1,1,2-Trichloroethane	Ave	0.1909	0.1871		9.80	10.0	-2.0	30.0
Tetrachloroethene	Ave	0.4185	0.3753		8.97	10.0	-10.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2132	0.2060		9.66	10.0	-3.4	30.0
Dibromochloromethane	Ave	0.4474	0.4629		10.3	10.0	3.5	30.0
1,2-Dibromoethane	Ave	0.3925	0.3879		9.88	10.0	-1.2	30.0
Chlorobenzene	Ave	0.6575	0.6241		9.49	10.0	-5.1	30.0
Ethylbenzene	Ave	0.9305	0.9165		9.85	10.0	-1.5	30.0
n-Nonane	Ave	0.3387	0.3487		10.3	10.0	3.0	30.0
m,p-Xylene	Ave	0.4034	0.3877		19.2	20.0	-3.9	30.0
Xylene, o-	Ave	0.3949	0.3705		9.38	10.0	-6.2	30.0
Styrene	Ave	0.5483	0.5547		10.1	10.0	1.2	30.0
Bromoform	Ave	0.4032	0.4049		10.0	10.0	0.4	30.0
Cumene	Ave	1.107	1.078		9.73	10.0	-2.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4614	0.4362		9.45	10.0	-5.5	30.0
1,2,3-Trichloropropane	Ave	0.3703	0.3522		9.51	10.0	-4.9	30.0
n-Propylbenzene	Ave	1.192	1.178		9.88	10.0	-1.2	30.0
4-Ethyltoluene	Ave	1.069	1.073		10.0	10.0	0.3	30.0
n-Decane	Ave	0.3988	0.4040		10.1	10.0	1.3	30.0
2-Chlorotoluene	Ave	0.8788	0.8800		10.0	10.0	0.1	30.0
1,3,5-Trimethylbenzene	Ave	0.9071	0.8691		9.58	10.0	-4.2	30.0
Alpha Methyl Styrene	Ave	0.4288	0.4370		10.2	10.0	1.9	30.0
tert-Butylbenzene	Ave	0.9311	0.8925		9.58	10.0	-4.1	30.0
1,2,4-Trimethylbenzene	Ave	0.8709	0.8283		9.51	10.0	-4.9	30.0
sec-Butylbenzene	Ave	1.280	1.258		9.83	10.0	-1.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-26747-1
 SDG No.: _____
 Lab Sample ID: ICV 200-45233/14 Calibration Date: 09/20/2012 09:17
 Instrument ID: C.i Calib Start Date: 09/19/2012 13:52
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/19/2012 20:06
 Lab File ID: cla014.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	1.090	1.093		10.0	10.0	0.3	30.0
1,3-Dichlorobenzene	Ave	0.6318	0.5556		8.79	10.0	-12.1	30.0
1,4-Dichlorobenzene	Ave	0.6126	0.5340		8.72	10.0	-12.8	30.0
Benzyl chloride	Ave	0.6002	0.6016		10.0	10.0	0.2	30.0
n-Butylbenzene	Ave	0.7877	0.8084		10.3	10.0	2.6	30.0
n-Undecane	Ave	0.3512	0.3485		9.92	10.0	-0.8	30.0
1,2-Dichlorobenzene	Ave	0.5822	0.5123		8.80	10.0	-12.0	30.0
n-Dodecane	Ave	0.2086	0.2424		11.6	10.0	16.2	30.0
1,2,4-Trichlorobenzene	Ave	0.2567	0.2009		7.83	10.0	-21.7	30.0
Hexachlorobutadiene	Ave	0.2794	0.2870		10.3	10.0	2.7	30.0
Naphthalene	Ave	0.5629	0.3949		7.01	10.0	-29.9	30.0
1,2,3-Trichlorobenzene	Ave	0.2086	0.1873		8.98	10.0	-10.2	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/clato15.b/cla014.d
 Lab Smp Id: icv 370621
 Inj Date : 20-SEP-2012 09:17
 Operator : wrd
 Smp Info : icv 370621
 Misc Info : 200,1,icv
 Comment :
 Method : /chem/C.i/Csvr.p/clato15.b/to15v5.m
 Meth Date : 20-Sep-2012 12:17 wrd
 Cal Date : 19-SEP-2012 20:06
 Als bottle: 9
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: C.i
 Quant Type: ISTD
 Cal File: cla010.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	200.00000	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	4.208	4.208	(0.349)	172658	10.0041	10	
2 Dichlorodifluoromethane	85	4.299	4.304	(0.356)	939839	9.91187	9.9	
3 Chlorodifluoromethane	51	4.357	4.363	(0.361)	425254	10.1847	10	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.646	4.651	(0.385)	978704	10.3256	10	
5 Chloromethane	50	4.806	4.811	(0.398)	218475	10.8477	11	
6 Butane	43	5.072	5.078	(0.420)	401013	11.7605	12	
7 Vinyl chloride	62	5.115	5.115	(0.424)	283155	10.4840	10	
8 1,3-Butadiene	54	5.211	5.216	(0.432)	211579	11.5292	12	
9 Bromomethane	94	5.996	5.990	(0.497)	298296	10.0510	10	
10 Chloroethane	64	6.268	6.268	(0.519)	141697	10.8719	11	
11 2-Methylbutane	43	6.385	6.380	(0.529)	272377	11.1737	11	
12 Vinyl bromide	106	6.711	6.711	(0.556)	366748	10.8696	11	
13 Trichlorofluoromethane	101	6.844	6.844	(0.567)	980040	9.85893	9.9	
14 Pentane	43	7.010	7.010	(0.581)	431810	11.1893	11	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.399	7.522	(0.613)	104721	17.4127	17(H)
16 Ethyl ether	59	7.559	7.565	(0.626)	185975	10.3632	10(Q)
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.013	8.018	(0.664)	779870	11.2692	11
18 Acrolein	56	7.912	7.917	(0.656)	71763	9.25625	9.3
19 1,1-Dichloroethene	96	8.050	8.050	(0.667)	384252	11.6801	12
20 Acetone	43	8.243	8.248	(0.683)	386992	10.9326	11
21 Carbon disulfide	76	8.488	8.488	(0.703)	945791	11.2977	11
22 Isopropanol	45	8.547	8.632	(0.708)	237663	10.0188	10
23 Allyl chloride	41	8.862	8.862	(0.734)	303800	10.5594	11(M)
24 Acetonitrile	41	8.910	8.915	(0.738)	126206	10.3847	10(QM)
25 Methylene chloride	49	9.150	9.150	(0.758)	282780	10.9625	11
26 Tert-butyl alcohol	59	9.358	9.433	(0.775)	398812	9.30308	9.3
27 Methyl tert-butyl ether	73	9.620	9.619	(0.797)	931496	10.2177	10
28 1,2-Dichloroethene (trans)	61	9.641	9.641	(0.799)	443987	10.5647	11
29 Acrylonitrile	53	9.710	9.715	(0.805)	171952	11.1544	11
30 n-Hexane	57	10.084	10.084	(0.836)	491569	11.5243	12
31 1,1-Dichloroethane	63	10.516	10.521	(0.871)	566817	10.4913	10
32 Vinyl acetate	43	10.580	10.580	(0.877)	557820	10.2771	10
M 33 1,2-Dichloroethene,Total	61				855946	21.2564	21
34 1,2-Dichloroethene (cis)	96	11.621	11.621	(0.963)	411959	10.6917	11
35 Ethyl acetate	88	11.696	11.701	(0.969)	30901	10.4785	10
36 Methyl Ethyl Ketone	72	11.637	11.642	(0.964)	150136	10.3461	10
* 37 Bromochloromethane	128	12.069	12.069	(1.000)	372273	10.0000	
38 Tetrahydrofuran	42	12.112	12.117	(0.872)	234311	9.85069	9.9
39 Chloroform	83	12.181	12.186	(1.009)	766020	10.2565	10
40 Cyclohexane	84	12.517	12.523	(0.901)	548209	10.6129	11
41 1,1,1-Trichloroethane	97	12.496	12.501	(0.900)	870220	9.75177	9.8
42 Carbon tetrachloride	117	12.758	12.758	(0.919)	891479	9.65170	9.7
43 2,2,4-Trimethylpentane	57	13.174	13.174	(0.948)	1476495	10.4609	10
44 Benzene	78	13.158	13.163	(0.947)	1124165	10.3582	10
45 1,2-Dichloroethane	62	13.281	13.286	(0.956)	490958	9.59480	9.6
46 n-Heptane	43	13.515	13.515	(0.973)	487541	10.4851	10
* 47 1,4-Difluorobenzene	114	13.889	13.894	(1.000)	2112167	10.0000	
48 n-Butanol	56	14.177	14.204	(1.021)	100762	9.76353	9.8
49 Trichloroethene	95	14.348	14.348	(1.033)	538982	9.85933	9.9
50 1,2-Dichloropropane	63	14.807	14.812	(1.066)	335543	10.1991	10
51 Methyl methacrylate	69	14.940	14.946	(1.076)	314226	10.4428	10
52 Dibromomethane	174	15.036	15.036	(1.083)	459456	9.43864	9.4
53 1,4-Dioxane	88	15.010	15.020	(1.081)	126437	8.66303	8.7
54 Bromodichloromethane	83	15.282	15.293	(1.100)	873286	10.5064	11
55 1,3-Dichloropropene (cis)	75	16.131	16.136	(1.161)	606552	10.1969	10
56 Methyl isobutyl ketone	43	16.371	16.381	(1.179)	452735	10.0096	10
57 n-Octane	43	16.782	16.782	(1.208)	672859	10.3823	10
58 Toluene	92	16.707	16.707	(0.861)	913626	10.0002	10
59 1,3-Dichloropropene (trans)	75	17.193	17.203	(1.238)	616640	10.0162	10
60 1,1,2-Trichloroethane	83	17.545	17.550	(0.904)	373091	9.79987	9.8
61 Tetrachloroethene	166	17.737	17.737	(0.914)	748404	8.96516	9.0

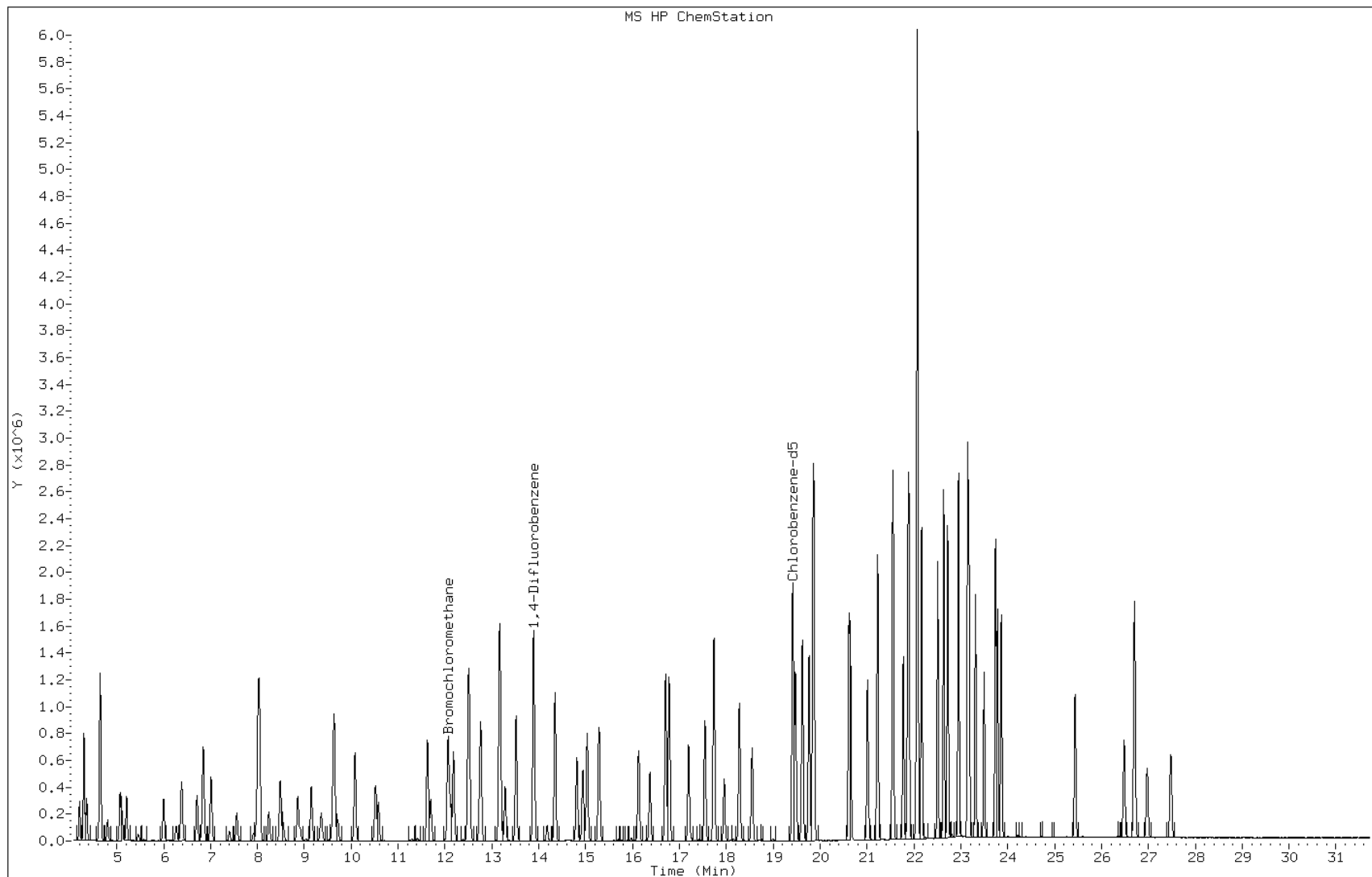
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	17.956	17.966	(0.925)	410787	9.65900	9.7
63 Dibromochloromethane	129	18.281	18.287	(0.942)	923275	10.3454	10
64 1,2-Dibromoethane	107	18.548	18.553	(0.955)	773649	9.88017	9.9
* 65 Chlorobenzene-d5	117	19.413	19.418	(1.000)	1994790	10.0000	
66 Chlorobenzene	112	19.477	19.477	(1.003)	1244790	9.49036	9.5
67 n-Nonane	57	19.765	19.765	(1.018)	695478	10.2939	10
68 Ethylbenzene	91	19.621	19.626	(1.011)	1827826	9.84748	9.8
69 Xylene (m,p)	106	19.861	19.861	(1.023)	1546373	19.2175	19
M 70 Xylenes, Total	106				2285237	28.5960	29
71 Xylene (o)	106	20.614	20.619	(1.062)	738864	9.37853	9.4
72 Styrene	104	20.646	20.651	(1.063)	1106294	10.1146	10
73 Bromoform	173	21.014	21.014	(1.082)	807604	10.0417	10
74 Isopropylbenzene	105	21.227	21.227	(1.093)	2149539	9.73153	9.7
75 1,1,2,2-Tetrachloroethane	83	21.772	21.772	(1.121)	869863	9.45182	9.5
76 n-Propylbenzene	91	21.889	21.889	(1.128)	2349570	9.87881	9.9
77 1,2,3-Trichloropropane	75	21.868	21.873	(1.126)	702417	9.50982	9.5
78 n-Decane	57	22.070	22.070	(1.137)	805786	10.1295	10
79 4-Ethyltoluene	105	22.065	22.070	(1.137)	2139454	10.0329	10
80 2-Chlorotoluene	91	22.076	22.076	(1.137)	1755035	10.0117	10
81 1,3,5-Trimethylbenzene	105	22.167	22.166	(1.142)	1733253	9.57894	9.6
82 Alpha Methyl Styrene	118	22.508	22.508	(1.159)	871549	10.1904	10
83 tert-butylbenzene	119	22.636	22.636	(1.166)	1779919	9.58353	9.6
84 1,2,4-Trimethylbenzene	105	22.722	22.722	(1.170)	1651906	9.50834	9.5
85 sec-Butylbenzene	105	22.951	22.951	(1.182)	2509423	9.82792	9.8
86 4-Isopropyltoluene	119	23.149	23.148	(1.192)	2179308	10.0264	10
87 1,3-Dichlorobenzene	146	23.175	23.180	(1.194)	1107994	8.79097	8.8
88 1,4-Dichlorobenzene	146	23.314	23.314	(1.201)	1065026	8.71576	8.7
89 Benzyl chloride	91	23.495	23.495	(1.210)	1199779	10.0203	10
90 Undecane	57	23.784	23.784	(1.225)	695133	9.92128	9.9
91 n-Butylbenzene	91	23.741	23.741	(1.223)	1612238	10.2607	10
92 1,2-Dichlorobenzene	146	23.864	23.864	(1.229)	1021714	8.79806	8.8
93 Dodecane	57	25.438	25.438	(1.310)	483500	11.6222	12
94 1,2,4-Trichlorobenzene	180	26.479	26.484	(1.364)	400670	7.82574	7.8
95 1,3-Hexachlorobutadiene	225	26.703	26.703	(1.376)	572386	10.2706	10
96 Naphthalene	128	26.975	26.975	(1.390)	787492	7.01334	7.0
97 1,2,3-Trichlorobenzene	180	27.477	27.482	(1.415)	373530	8.97861	9.0

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: cla014.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icv 370621
Lab Sample ID: icv 370621

Date: 20-SEP-2012 09:17
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

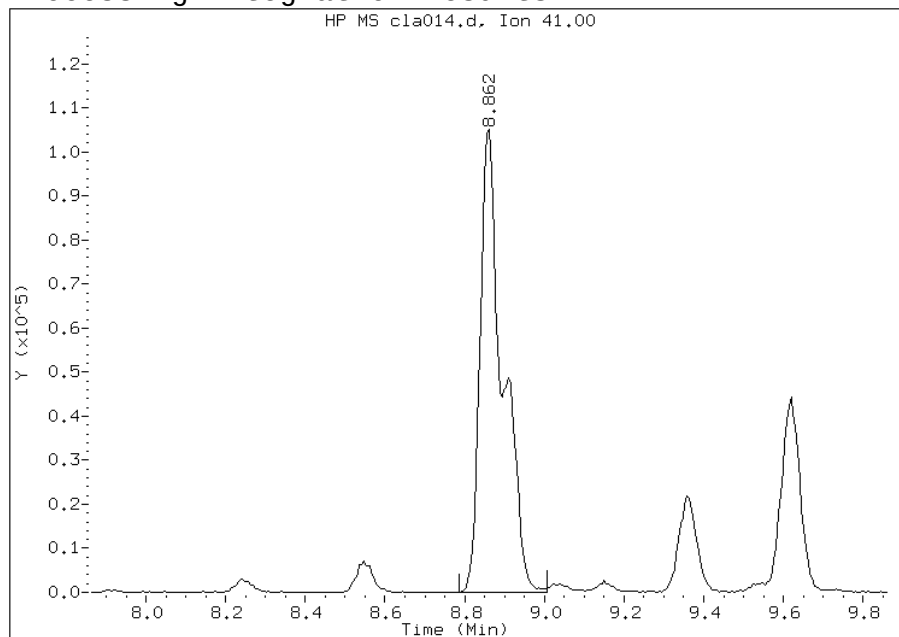


Manual Integration Report

Data File: cla014.d
Lab Sample ID: icv 370621
Inj. Date and Time: 20-SEP-2012 09:17
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 09/21/2012

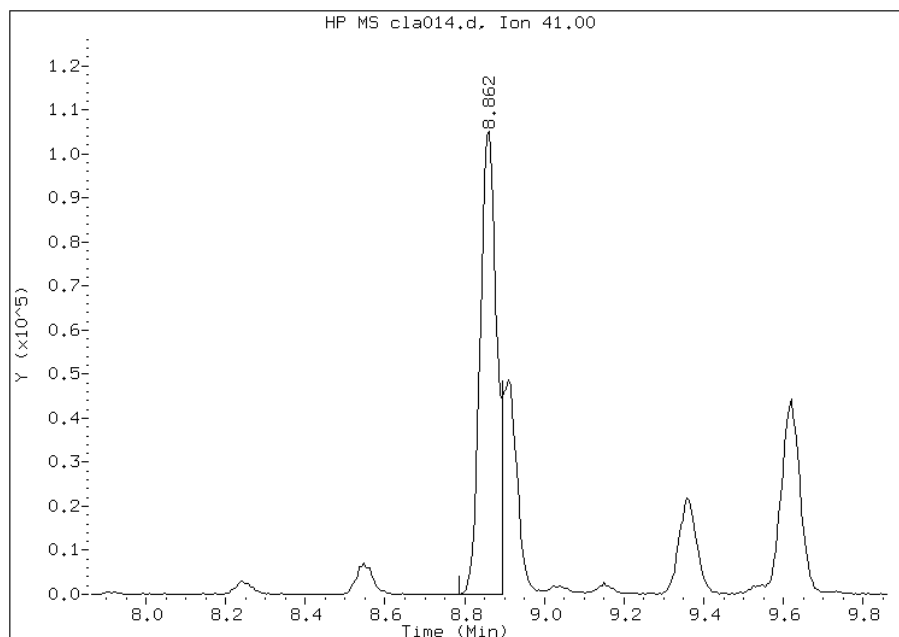
Processing Integration Results

RT: 8.86
Response: 418443
Amount: 14.55
Conc: 14.55



Manual Integration Results

RT: 8.86
Response: 303800
Amount: 10.56
Conc: 10.56



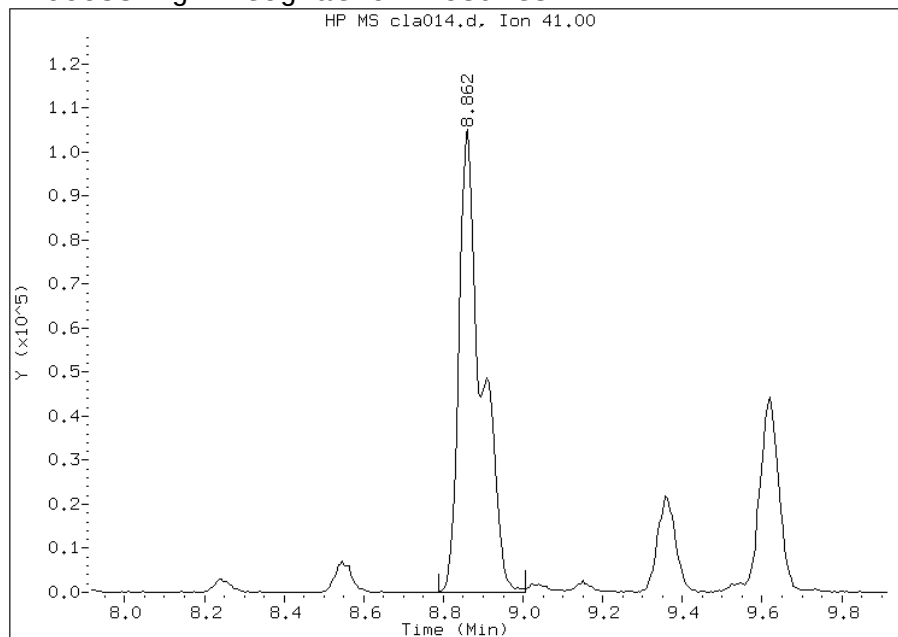
File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: cla014.d
Lab Sample ID: icv 370621
Inj. Date and Time: 20-SEP-2012 09:17
Instrument ID: C.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 09/21/2012

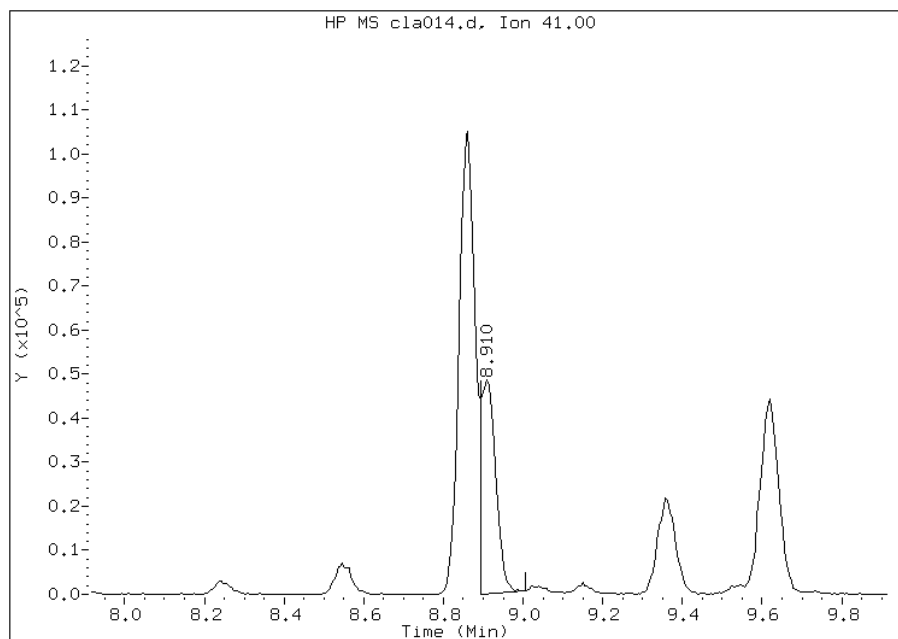
Processing Integration Results

RT: 8.86
Response: 418443
Amount: 33.90
Conc: 33.90



Manual Integration Results

RT: 8.91
Response: 126206
Amount: 10.38
Conc: 10.38



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-26747-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-46771/2 Calibration Date: 10/18/2012 17:27
 Instrument ID: C.i Calib Start Date: 09/19/2012 13:52
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/19/2012 20:06
 Lab File ID: claw002.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	0.4636	0.4839		10.4	10.0	4.4	30.0
Dichlorodifluoromethane	Ave	2.547	2.981		11.7	10.0	17.1	30.0
Freon 22	Ave	1.122	1.281		11.4	10.0	14.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.546	2.618		10.3	10.0	2.8	30.0
Chloromethane	Ave	0.5410	0.5277		9.75	10.0	-2.5	30.0
n-Butane	Ave	0.9159	0.9318		10.2	10.0	1.7	30.0
Vinyl chloride	Ave	0.7255	0.6905		9.52	10.0	-4.8	30.0
1,3-Butadiene	Ave	0.4930	0.4699		9.53	10.0	-4.7	30.0
Bromomethane	Ave	0.7972	0.7726		9.69	10.0	-3.1	30.0
Chloroethane	Ave	0.3501	0.3239		9.25	10.0	-7.5	30.0
Isopentane	Ave	0.6548	0.5994		9.15	10.0	-8.5	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9063	0.8098		8.93	10.0	-10.7	30.0
Trichlorofluoromethane	Ave	2.670	2.943		11.0	10.0	10.2	30.0
n-Pentane	Ave	1.037	0.9379		9.05	10.0	-9.5	30.0
Ethanol	Ave	0.1615	0.1371		12.7	15.0	-15.1	30.0
Ethyl ether	Ave	0.4821	0.4250		8.82	10.0	-11.8	30.0
Acrolein	Ave	0.2083	0.1818		8.73	10.0	-12.7	30.0
Freon TF	Ave	1.859	1.749		9.40	10.0	-5.9	30.0
1,1-Dichloroethene	Ave	0.8837	0.7536		8.53	10.0	-14.7	30.0
Acetone	Ave	0.9509	1.020		10.7	10.0	7.2	30.0
Carbon disulfide	Ave	2.249	1.931		8.58	10.0	-14.1	30.0
Isopropyl alcohol	Ave	0.6372	0.5869		9.21	10.0	-7.9	30.0
3-Chloropropene	Ave	0.7728	0.6975		9.02	10.0	-9.7	30.0
Acetonitrile	Ave	0.3265	0.3306		10.1	10.0	1.3	30.0
Methylene Chloride	Ave	0.6929	0.6543		9.44	10.0	-5.6	30.0
tert-Butyl alcohol	Ave	1.152	1.128		9.79	10.0	-2.0	30.0
Methyl tert-butyl ether	Ave	2.449	2.411		9.84	10.0	-1.5	30.0
trans-1,2-Dichloroethene	Ave	1.129	1.097		9.72	10.0	-2.8	30.0
Acrylonitrile	Ave	0.4141	0.3720		8.98	10.0	-10.2	30.0
n-Hexane	Ave	1.146	0.9320		8.13	10.0	-18.7	30.0
1,1-Dichloroethane	Ave	1.451	1.342		9.25	10.0	-7.5	30.0
Vinyl acetate	Ave	1.458	1.416		9.71	10.0	-2.9	30.0
cis-1,2-Dichloroethene	Ave	1.035	0.8660		8.37	10.0	-16.3	30.0
Methyl Ethyl Ketone	Ave	0.3898	0.3211		8.23	10.0	-17.6	30.0
Ethyl acetate	Ave	0.0792	0.0674		8.51	10.0	-14.9	30.0
Tetrahydrofuran	Ave	0.1126	0.1098		9.75	10.0	-2.5	30.0
Chloroform	Ave	2.006	2.000		9.97	10.0	-0.3	30.0
1,1,1-Trichloroethane	Ave	0.4225	0.4653		11.0	10.0	10.1	30.0
Cyclohexane	Ave	0.2446	0.2172		8.88	10.0	-11.2	30.0
Carbon tetrachloride	Ave	0.4373	0.5043		11.5	10.0	15.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-26747-1

SDG No.: _____

Lab Sample ID: CCVIS 200-46771/2 Calibration Date: 10/18/2012 17:27

Instrument ID: C.i Calib Start Date: 09/19/2012 13:52

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/19/2012 20:06

Lab File ID: claw002.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
Benzene	Ave	0.5138	0.4327		8.42	10.0	-15.8	30.0
2,2,4-Trimethylpentane	Ave	0.6682	0.5764		8.62	10.0	-13.7	30.0
1,2-Dichloroethane	Ave	0.2423	0.2669		11.0	10.0	10.2	30.0
n-Heptane	Ave	0.2201	0.1933		8.78	10.0	-12.2	30.0
n-Butanol	Ave	0.0489	0.0395		8.07	10.0	-19.3	30.0
Trichloroethene	Ave	0.2588	0.2370		9.15	10.0	-8.4	30.0
1,2-Dichloropropane	Ave	0.1558	0.1423		9.13	10.0	-8.7	30.0
Methyl methacrylate	Ave	0.1425	0.1299		9.12	10.0	-8.8	30.0
1,4-Dioxane	Ave	0.0691	0.0595		8.61	10.0	-13.9	30.0
Dibromomethane	Ave	0.2305	0.2430		10.5	10.0	5.4	30.0
Bromodichloromethane	Ave	0.3935	0.4304		10.9	10.0	9.4	30.0
cis-1,3-Dichloropropene	Ave	0.2816	0.2609		9.26	10.0	-7.4	30.0
methyl isobutyl ketone	Ave	0.2141	0.2312		10.8	10.0	8.0	30.0
Toluene	Ave	0.4580	0.3876		8.46	10.0	-15.4	30.0
n-Octane	Ave	0.3068	0.2984		9.72	10.0	-2.7	30.0
trans-1,3-Dichloropropene	Ave	0.2915	0.2998		10.3	10.0	2.8	30.0
1,1,2-Trichloroethane	Ave	0.1909	0.1676		8.78	10.0	-12.2	30.0
Tetrachloroethene	Ave	0.4185	0.4122		9.85	10.0	-1.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2132	0.2115		9.92	10.0	-0.8	30.0
Dibromochloromethane	Ave	0.4474	0.4785		10.7	10.0	6.9	30.0
1,2-Dibromoethane	Ave	0.3925	0.3784		9.64	10.0	-3.6	30.0
Chlorobenzene	Ave	0.6575	0.6013		9.14	10.0	-8.5	30.0
Ethylbenzene	Ave	0.9305	0.8576		9.21	10.0	-7.8	30.0
n-Nonane	Ave	0.3387	0.3157		9.32	10.0	-6.8	30.0
m,p-Xylene	Ave	0.4034	0.3704		18.4	20.0	-8.2	30.0
Xylene, o-	Ave	0.3949	0.3655		9.25	10.0	-7.5	30.0
Styrene	Ave	0.5483	0.5272		9.61	10.0	-3.9	30.0
Bromoform	Ave	0.4032	0.4584		11.4	10.0	13.7	30.0
Cumene	Ave	1.107	1.078		9.73	10.0	-2.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4614	0.4285		9.29	10.0	-7.1	30.0
1,2,3-Trichloropropane	Ave	0.3703	0.3586		9.68	10.0	-3.2	30.0
n-Propylbenzene	Ave	1.192	1.159		9.72	10.0	-2.8	30.0
4-Ethyltoluene	Ave	1.069	1.095		10.2	10.0	2.5	30.0
n-Decane	Ave	0.3988	0.3720		9.33	10.0	-6.7	30.0
2-Chlorotoluene	Ave	0.8788	0.8881		10.1	10.0	1.1	30.0
1,3,5-Trimethylbenzene	Ave	0.9071	0.9219		10.2	10.0	1.6	30.0
Alpha Methyl Styrene	Ave	0.4288	0.4501		10.5	10.0	5.0	30.0
tert-Butylbenzene	Ave	0.9311	0.9530		10.2	10.0	2.4	30.0
1,2,4-Trimethylbenzene	Ave	0.8709	0.8946		10.3	10.0	2.7	30.0
sec-Butylbenzene	Ave	1.280	1.300		10.2	10.0	1.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-26747-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-46771/2 Calibration Date: 10/18/2012 17:27
 Instrument ID: C.i Calib Start Date: 09/19/2012 13:52
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/19/2012 20:06
 Lab File ID: claw002.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	1.090	1.153		10.6	10.0	5.8	30.0
1,3-Dichlorobenzene	Ave	0.6318	0.6301		9.97	10.0	-0.3	30.0
1,4-Dichlorobenzene	Ave	0.6126	0.6023		9.83	10.0	-1.7	30.0
Benzyl chloride	Ave	0.6002	0.5226		8.70	10.0	-12.9	30.0
n-Butylbenzene	Ave	0.7877	0.7776		9.87	10.0	-1.3	30.0
n-Undecane	Ave	0.3512	0.2690		7.66	10.0	-23.4	30.0
1,2-Dichlorobenzene	Ave	0.5822	0.5908		10.1	10.0	1.5	30.0
n-Dodecane	Ave	0.2086	0.2154		10.3	10.0	3.3	30.0
1,2,4-Trichlorobenzene	Ave	0.2567	0.2785		10.8	10.0	8.5	30.0
Hexachlorobutadiene	Ave	0.2794	0.3228		11.6	10.0	15.5	30.0
Naphthalene	Ave	0.5629	0.6190		11.0	10.0	10.0	30.0
1,2,3-Trichlorobenzene	Ave	0.2086	0.2525		12.1	10.0	21.1	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/clawto15.b/claw002.d
Lab Smp Id: ccvis 408688
Inj Date : 18-OCT-2012 17:27
Operator : WRD
Smp Info : ccvis 408688
Misc Info : 200,1, ccvis
Comment :
Method : /chem/C.i/Csvr.p/clawto15.b/to15v5.m
Meth Date : 19-Oct-2012 16:59 wrd
Cal Date : 19-SEP-2012 20:06
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: C.i
Quant Type: ISTD
Cal File: cla010.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	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT	ON-COL
							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	
1 Propene	41	4.202	4.208	(0.349)	146635	10.0000	10	
2 Dichlorodifluoromethane	85	4.293	4.304	(0.356)	903478	10.0000	12	
3 Chlorodifluoromethane	51	4.352	4.363	(0.361)	388127	10.0000	11	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.640	4.651	(0.385)	793270	10.0000	10	
5 Chloromethane	50	4.800	4.811	(0.398)	159912	10.0000	9.8	
6 Butane	43	5.067	5.078	(0.421)	282361	10.0000	10	
7 Vinyl chloride	62	5.104	5.115	(0.424)	209246	10.0000	9.5	
8 1,3-Butadiene	54	5.206	5.216	(0.432)	142408	10.0000	9.5	
9 Bromomethane	94	5.990	5.990	(0.497)	234139	10.0000	9.7	
10 Chloroethane	64	6.257	6.268	(0.519)	98147	10.0000	9.2	
11 2-Methylbutane	43	6.375	6.380	(0.529)	181624	10.0000	9.2	
12 Vinyl bromide	106	6.700	6.711	(0.556)	245396	10.0000	8.9	
13 Trichlorofluoromethane	101	6.834	6.844	(0.567)	891761	10.0000	11	
14 Pentane	43	6.999	7.010	(0.581)	284204	10.0000	9.0	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.399	7.522 (0.614)		62345	15.0000	13(H)
16 Ethyl ether	59	7.554	7.565 (0.627)		128801	10.0000	8.8(Q)
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.002	8.018 (0.664)		529886	10.0000	9.4
18 Acrolein	56	7.906	7.917 (0.656)		55077	10.0000	8.7
19 1,1-Dichloroethene	96	8.034	8.050 (0.667)		228377	10.0000	8.5(Q)
20 Acetone	43	8.232	8.248 (0.683)		309003	10.0000	11
21 Carbon disulfide	76	8.472	8.488 (0.703)		585045	10.0000	8.6
22 Isopropanol	45	8.536	8.632 (0.709)		177841	10.0000	9.2
23 Allyl chloride	41	8.846	8.862 (0.734)		211381	10.0000	9.0
24 Acetonitrile	41	8.894	8.915 (0.738)		100186	10.0000	10(QM)
25 Methylene chloride	49	9.134	9.150 (0.758)		198285	10.0000	9.4
26 Tert-butyl alcohol	59	9.353	9.433 (0.776)		341822	10.0000	9.8
27 Methyl tert-butyl ether	73	9.609	9.619 (0.798)		730707	10.0000	9.8
28 1,2-Dichloroethene (trans)	61	9.625	9.641 (0.799)		332462	10.0000	9.7
29 Acrylonitrile	53	9.694	9.715 (0.805)		112734	10.0000	9.0
30 n-Hexane	57	10.068	10.084 (0.836)		282416	10.0000	8.1
31 1,1-Dichloroethane	63	10.500	10.521 (0.872)		406731	10.0000	9.2
32 Vinyl acetate	43	10.564	10.580 (0.877)		429083	10.0000	9.7
M 33 1,2-Dichloroethene,Total	61				594892	20.0000	18
34 1,2-Dichloroethene (cis)	96	11.605	11.621 (0.963)		262430	10.0000	8.4
35 Ethyl acetate	88	11.685	11.701 (0.970)		20432	10.0000	8.5
36 Methyl Ethyl Ketone	72	11.621	11.642 (0.965)		97292	10.0000	8.2(Q)
* 37 Bromochloromethane	128	12.048	12.069 (1.000)		303095	10.0000	
38 Tetrahydrofuran	42	12.101	12.117 (0.872)		176789	10.0000	9.7
39 Chloroform	83	12.165	12.186 (1.010)		606157	10.0000	10
40 Cyclohexane	84	12.501	12.523 (0.901)		349662	10.0000	8.9
41 1,1,1-Trichloroethane	97	12.480	12.501 (0.900)		749171	10.0000	11
42 Carbon tetrachloride	117	12.742	12.758 (0.918)		812028	10.0000	12
43 2,2,4-Trimethylpentane	57	13.158	13.174 (0.948)		928140	10.0000	8.6
44 Benzene	78	13.142	13.163 (0.947)		696688	10.0000	8.4
45 1,2-Dichloroethane	62	13.265	13.286 (0.956)		429785	10.0000	11
46 n-Heptane	43	13.499	13.515 (0.973)		311184	10.0000	8.8
* 47 1,4-Difluorobenzene	114	13.873	13.894 (1.000)		1610514	10.0000	
48 n-Butanol	56	14.172	14.204 (1.022)		63521	10.0000	8.1
49 Trichloroethene	95	14.332	14.348 (1.033)		381578	10.0000	9.2
50 1,2-Dichloropropane	63	14.791	14.812 (1.066)		229057	10.0000	9.1
51 Methyl methacrylate	69	14.924	14.946 (1.076)		209146	10.0000	9.1
52 Dibromomethane	174	15.015	15.036 (1.082)		391208	10.0000	11
53 1,4-Dioxane	88	14.994	15.020 (1.081)		95833	10.0000	8.6
54 Bromodichloromethane	83	15.266	15.293 (1.100)		692951	10.0000	11
55 1,3-Dichloropropene (cis)	75	16.114	16.136 (1.162)		420042	10.0000	9.3
56 Methyl isobutyl ketone	43	16.355	16.381 (1.179)		372269	10.0000	11
57 n-Octane	43	16.766	16.782 (1.208)		480549	10.0000	9.7
58 Toluene	92	16.686	16.707 (0.860)		597571	10.0000	8.5
59 1,3-Dichloropropene (trans)	75	17.177	17.203 (1.238)		482700	10.0000	10
60 1,1,2-Trichloroethane	83	17.523	17.550 (0.903)		258453	10.0000	8.8
61 Tetrachloroethene	166	17.721	17.737 (0.914)		635585	10.0000	9.8

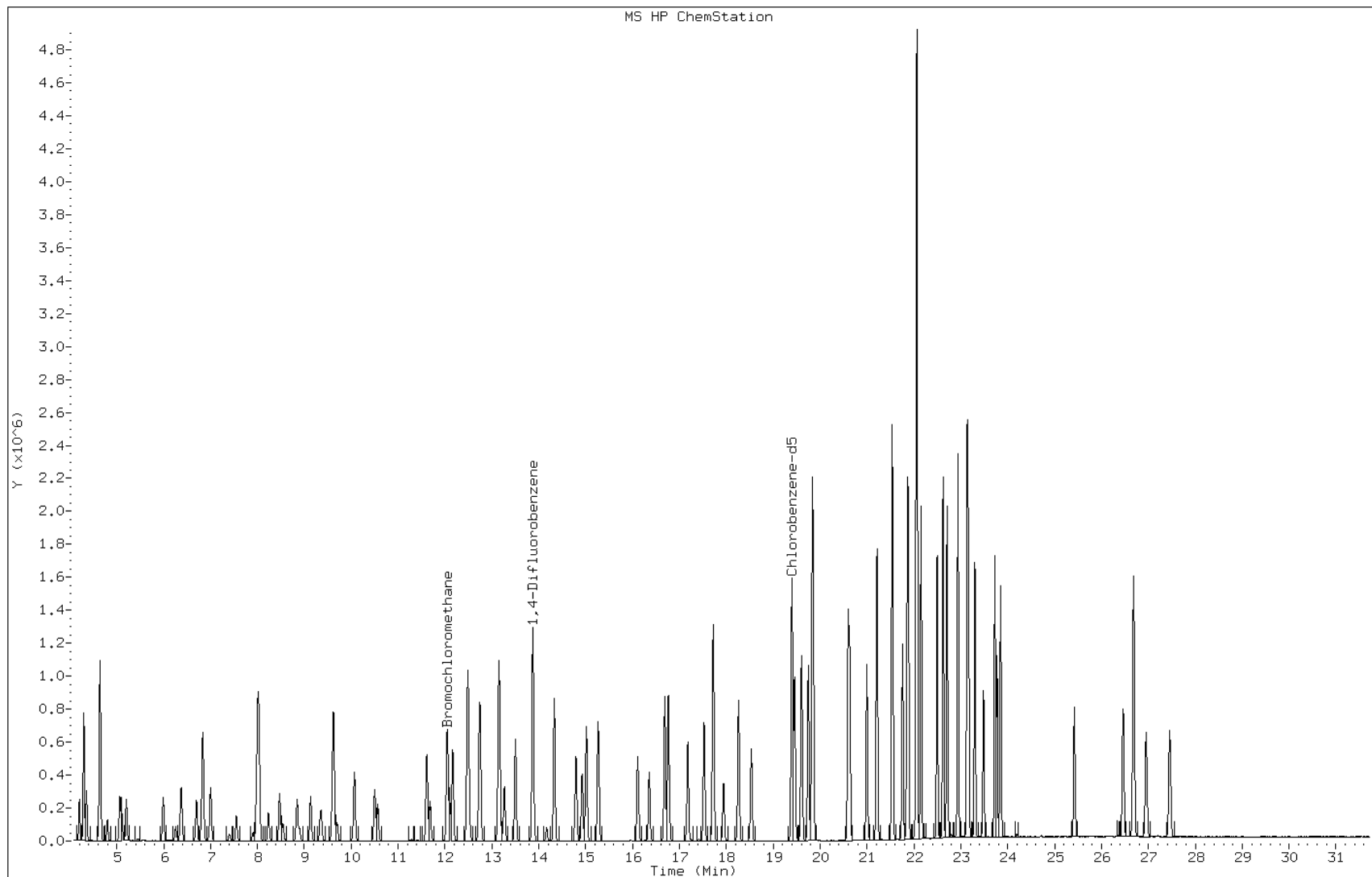
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	17.945	17.966	(0.925)	326081	10.0000	9.9
63 Dibromochloromethane	129	18.260	18.287	(0.941)	737701	10.0000	11
64 1,2-Dibromoethane	107	18.532	18.553	(0.955)	583362	10.0000	9.6
* 65 Chlorobenzene-d5	117	19.397	19.418	(1.000)	1542116	10.0000	
66 Chlorobenzene	112	19.455	19.477	(1.003)	927160	10.0000	9.1
67 n-Nonane	57	19.749	19.765	(1.018)	486811	10.0000	9.3
68 Ethylbenzene	91	19.605	19.626	(1.011)	1322234	10.0000	9.2
69 Xylene (m,p)	106	19.840	19.861	(1.023)	1142018	20.0000	18
M 70 Xylenes, Total	106				1705522	10.0000	28
71 Xylene (o)	106	20.597	20.619	(1.062)	563504	10.0000	9.3
72 Styrene	104	20.635	20.651	(1.064)	812833	10.0000	9.6
73 Bromoform	173	20.998	21.014	(1.083)	706748	10.0000	11
74 Isopropylbenzene	105	21.211	21.227	(1.094)	1661748	10.0000	9.7
75 1,1,2,2-Tetrachloroethane	83	21.756	21.772	(1.122)	660645	10.0000	9.3
76 n-Propylbenzene	91	21.878	21.889	(1.128)	1786317	10.0000	9.7
77 1,2,3-Trichloropropane	75	21.857	21.873	(1.127)	552819	10.0000	9.7
78 n-Decane	57	22.060	22.070	(1.137)	573532	10.0000	9.3
79 4-Ethyltoluene	105	22.054	22.070	(1.137)	1688706	10.0000	10
80 2-Chlorotoluene	91	22.065	22.076	(1.138)	1369285	10.0000	10
81 1,3,5-Trimethylbenzene	105	22.150	22.166	(1.142)	1421447	10.0000	10
82 Alpha Methyl Styrene	118	22.497	22.508	(1.160)	693983	10.0000	10
83 tert-butylbenzene	119	22.620	22.636	(1.166)	1469331	10.0000	10
84 1,2,4-Trimethylbenzene	105	22.711	22.722	(1.171)	1379256	10.0000	10
85 sec-Butylbenzene	105	22.935	22.951	(1.182)	2003654	10.0000	10
86 4-Isopropyltoluene	119	23.132	23.148	(1.193)	1778165	10.0000	11
87 1,3-Dichlorobenzene	146	23.165	23.180	(1.194)	971467	10.0000	10
88 1,4-Dichlorobenzene	146	23.298	23.314	(1.201)	928594	10.0000	9.8
89 Benzyl chloride	91	23.485	23.495	(1.211)	805679	10.0000	8.7
90 Undecane	57	23.768	23.784	(1.225)	414794	10.0000	7.7
91 n-Butylbenzene	91	23.725	23.741	(1.223)	1198880	10.0000	9.9
92 1,2-Dichlorobenzene	146	23.848	23.864	(1.229)	910939	10.0000	10
93 Dodecane	57	25.422	25.438	(1.311)	332165	10.0000	10
94 1,2,4-Trichlorobenzene	180	26.463	26.484	(1.364)	429330	10.0000	11
95 1,3-Hexachlorobutadiene	225	26.687	26.703	(1.376)	497621	10.0000	12
96 Naphthalene	128	26.954	26.975	(1.390)	954433	10.0000	11
97 1,2,3-Trichlorobenzene	180	27.455	27.482	(1.415)	389285	10.0000	12

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: claw002.d
Client ID:
Operator: WRD
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 408688
Lab Sample ID: ccvis 408688

Date: 18-OCT-2012 17:27
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

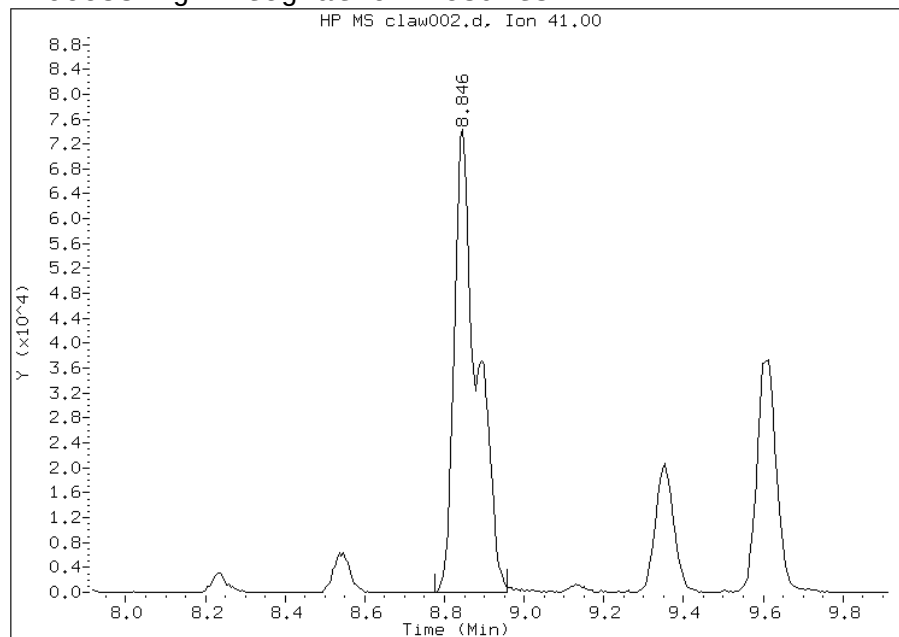


Manual Integration Report

Data File: claw002.d
Lab Sample ID: ccvis 408688
Inj. Date and Time: 18-OCT-2012 17:27
Instrument ID: C.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 10/19/2012

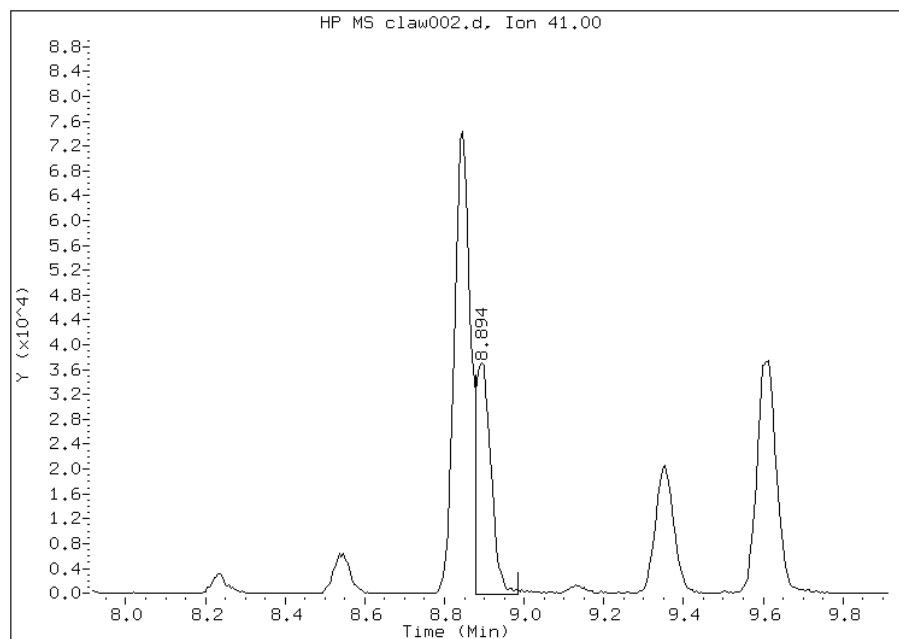
Processing Integration Results

RT: 8.85
Response: 299164
Amount: 30.23
Conc: 30.23



Manual Integration Results

RT: 8.89
Response: 100186
Amount: 10.13
Conc: 10.13



File Uploaded By: wrd
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/clato15.b/cla001.d
 Lab Smp Id: BFB Client Smp ID: BFB
 Inj Date : 19-SEP-2012 12:05
 Operator : wrd Inst ID: C.i
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : /chem/C.i/Csvr.p/clato15.b/bfbto15.m
 Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: chemsvr6

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

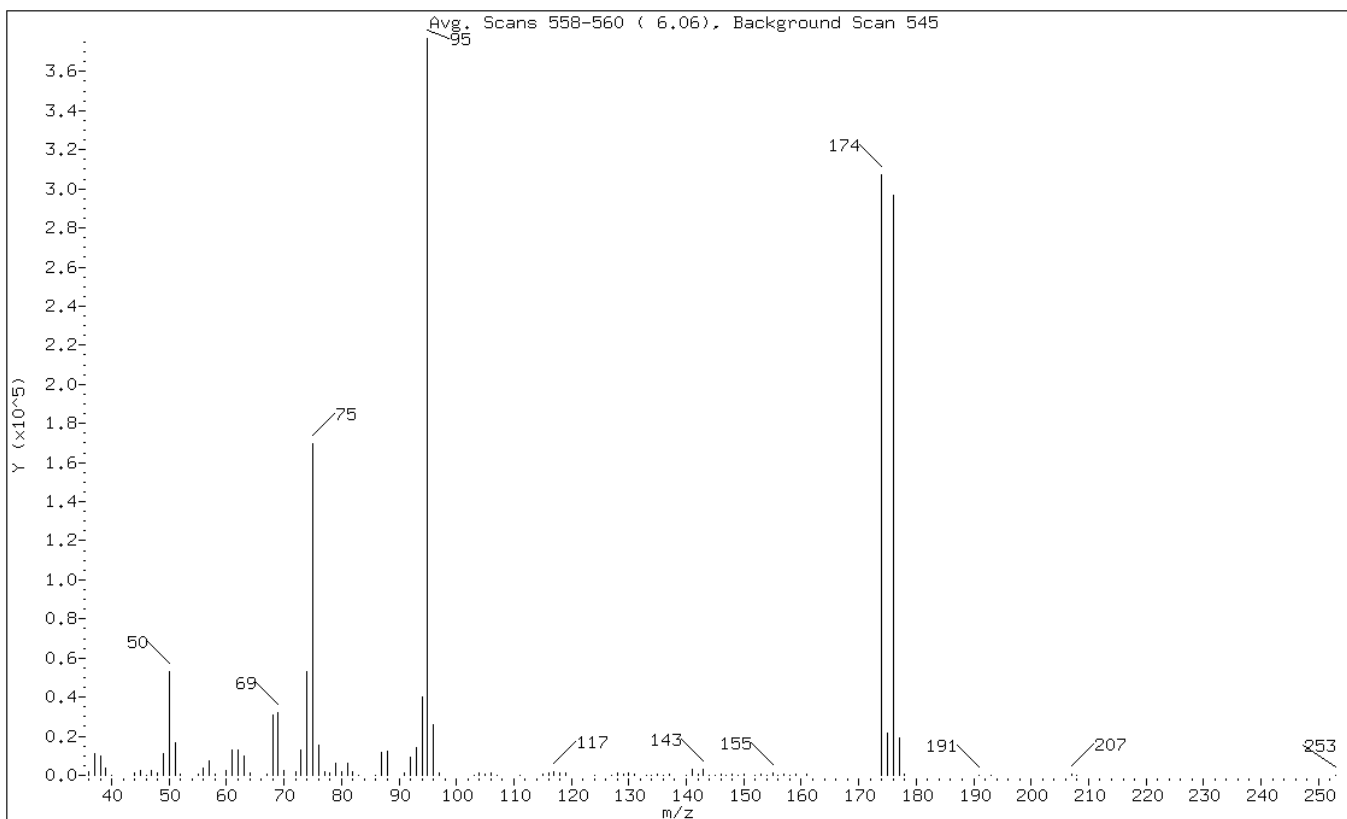
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 bfb					CAS #: 460-00-4				
6.063	6.760	-0.697	95	376938			100.00-	100.00	100.00
6.063	6.760	-0.697	50	52936			8.00-	40.00	14.04
6.063	6.760	-0.697	75	169607			30.00-	66.00	45.00
6.063	6.760	-0.697	96	26162			5.00-	9.00	6.94
6.063	6.760	-0.697	173	0			0.00-	2.00	0.00
6.063	6.760	-0.697	174	306944			50.00-	120.00	81.43
6.063	6.760	-0.697	175	21733			4.00-	9.00	7.08
6.063	6.760	-0.697	176	296938			93.00-	101.00	96.74
6.063	6.760	-0.697	177	18969			5.00-	9.00	6.39

Data File: cla001.d
 Client ID: BFB
 Operator: wrd
 Column Type: Capillary
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 19-SEP-2012 12:05
 Instrument: C.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.04
75	30.00 - 66.00% of mass 95	45.00
96	5.00 - 9.00% of mass 95	6.94
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	81.43
175	4.00 - 9.00% of mass 174	5.77 (7.08)
176	93.00 - 101.00% of mass 174	78.78 (96.74)
177	5.00 - 9.00% of mass 176	5.03 (6.39)

Data File: cla001.d
 Client ID: BFB
 Operator: wrd
 Column Type: Capillary
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB

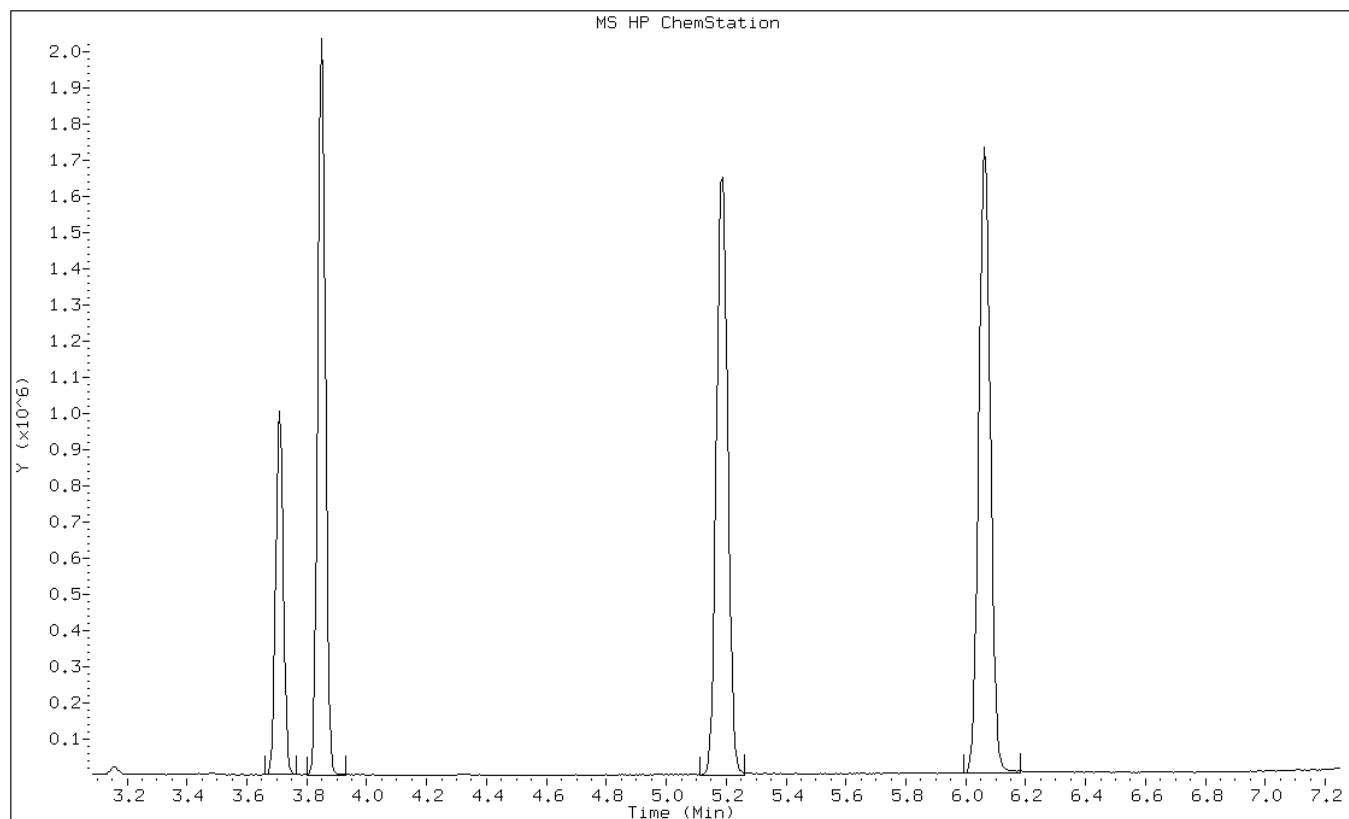
Date: 19-SEP-2012 12:05
 Instrument: C.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/clato15.b/cla001.d
 Spectrum: Avg. Scans 558-560 (6.06), Background Scan 545
 Location of Maximum: 95.00
 Number of points: 101

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1990	70.00	2322	106.00	1086	147.00	219
37.00	10919	72.00	1831	107.00	219	148.00	732
38.00	9955	73.00	12835	111.00	141	149.00	217
39.00	3971	74.00	53344	115.00	363	150.00	423
40.00	288	75.00	169600	116.00	1019	152.00	177
44.00	929	76.00	15343	117.00	1909	153.00	376
45.00	2178	77.00	1672	118.00	1057	154.00	271
46.00	125	78.00	947	119.00	1455	155.00	1130
47.00	2206	79.00	6089	124.00	112	156.00	67
48.00	1307	80.00	2036	127.00	210	157.00	609
49.00	10920	81.00	6466	128.00	1320	158.00	81
50.00	52936	82.00	1814	129.00	545	159.00	402
51.00	16808	83.00	186	130.00	1290	161.00	426
52.00	718	86.00	270	131.00	513	174.00	306944
55.00	714	87.00	11947	133.00	191	175.00	21728
56.00	3715	88.00	12390	134.00	74	176.00	296896
57.00	7120	91.00	947	135.00	396	177.00	18968
58.00	339	92.00	8972	136.00	69	178.00	632
60.00	2460	93.00	14188	137.00	563	191.00	251
61.00	12698	94.00	39800	140.00	160	193.00	171
62.00	13248	95.00	376896	141.00	2879	207.00	433
63.00	9887	96.00	26160	142.00	338	208.00	6
64.00	953	97.00	1016	143.00	3035	253.00	33
67.00	780	103.00	214	144.00	72		
68.00	30984	104.00	1223	145.00	267		
69.00	32296	105.00	457	146.00	501		

Data File: cla001.d
Client ID: BFB
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 19-SEP-2012 12:05
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/clawto15.b/claw001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 18-OCT-2012 16:36
Operator : WRD Inst ID: C.i
Smp Info : BFB
Misc Info : bfb
Comment :
Method : /chem/C.i/Csvr.p/clawto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

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

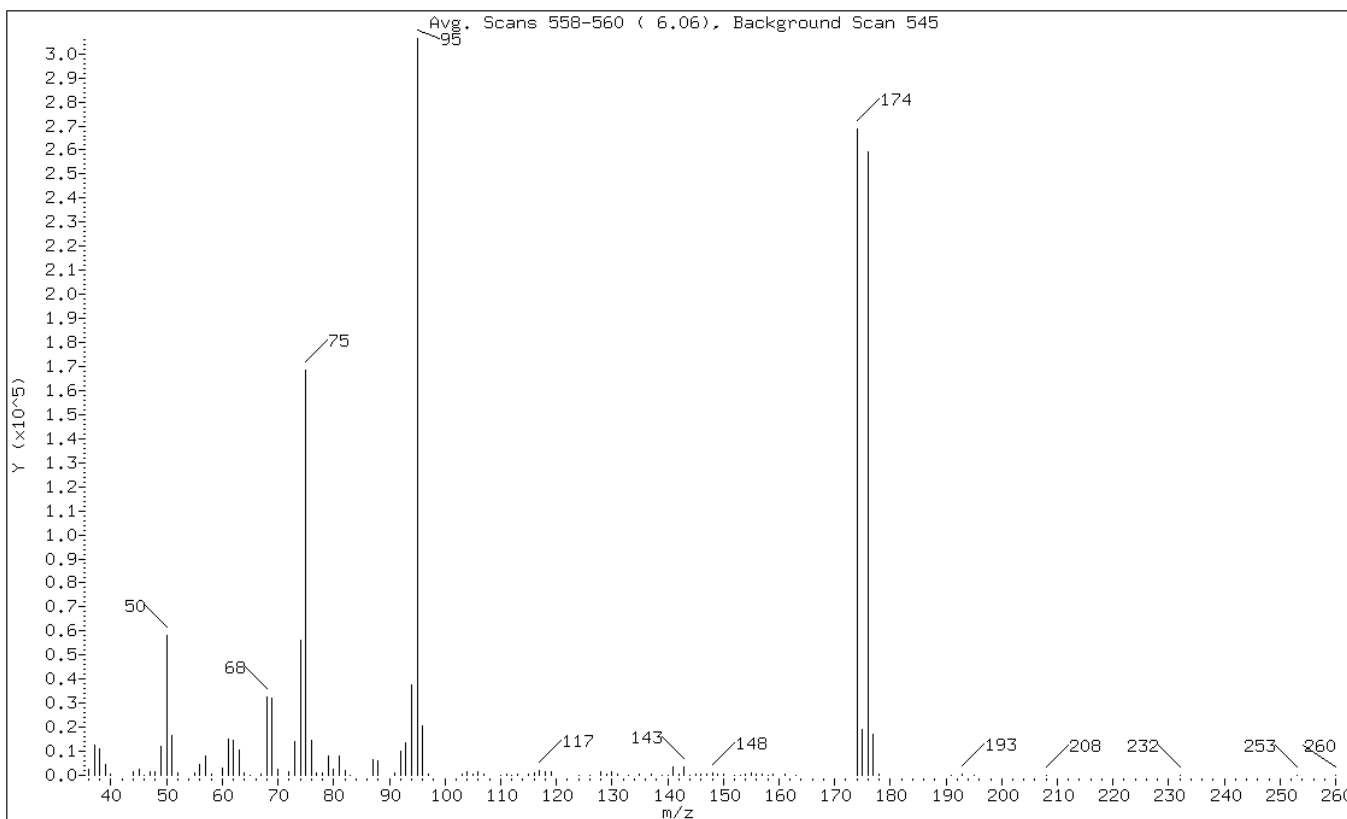
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
				ON-COL		FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1 bfb CAS #: 460-00-4									
6.063	6.760	-0.697	95	306389			100.00- 100.00	100.00	
6.063	6.760	-0.697	50	58018			8.00- 40.00	18.94	
6.063	6.760	-0.697	75	168405			30.00- 66.00	54.96	
6.063	6.760	-0.697	96	20544			5.00- 9.00	6.71	
6.063	6.760	-0.697	173	0			0.00- 2.00	0.00	
6.063	6.760	-0.697	174	268885			50.00- 120.00	87.76	
6.063	6.760	-0.697	175	18813			4.00- 9.00	7.00	
6.063	6.760	-0.697	176	259328			93.00- 101.00	96.45	
6.063	6.760	-0.697	177	16905			5.00- 9.00	6.52	

Data File: claw001.d
 Client ID: BFB
 Operator: WRD
 Column Type: Capillary
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 18-OCT-2012 16:36
 Instrument: C.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	18.94
75	30.00 - 66.00% of mass 95	54.96
96	5.00 - 9.00% of mass 95	6.71
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	87.76
175	4.00 - 9.00% of mass 174	6.14 (7.00)
176	93.00 - 101.00% of mass 174	84.64 (96.45)
177	5.00 - 9.00% of mass 176	5.52 (6.52)

Data File: claw001.d
 Client ID: BFB
 Operator: WRD
 Column Type: Capillary
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB

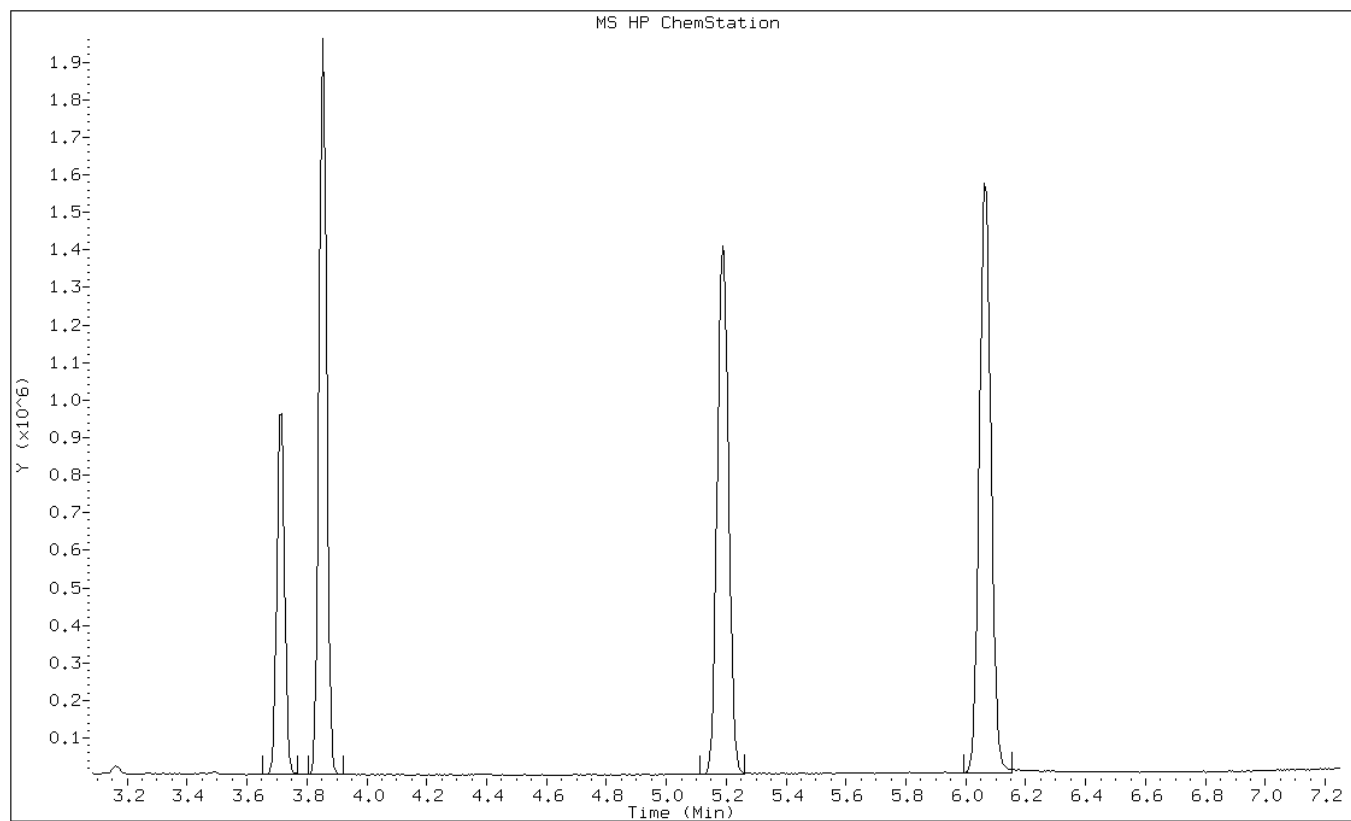
Date: 18-OCT-2012 16:36
 Instrument: C.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/clawto15.b/claw001.d
 Spectrum: Avg. Scans 558-560 (6.06), Background Scan 545
 Location of Maximum: 95.00
 Number of points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2339	70.00	2437	110.00	78	148.00	994
37.00	12656	72.00	1703	111.00	305	149.00	327
38.00	11017	73.00	13878	112.00	66	150.00	335
39.00	4634	74.00	55976	113.00	260	152.00	163
40.00	265	75.00	168384	115.00	405	153.00	237
44.00	1648	76.00	14741	116.00	1231	154.00	274
45.00	2498	77.00	1251	117.00	2119	155.00	986
46.00	90	78.00	876	118.00	1358	156.00	276
47.00	1625	79.00	7826	119.00	1490	157.00	646
48.00	1612	80.00	2480	124.00	185	158.00	117
49.00	11825	81.00	8181	126.00	91	159.00	391
50.00	58016	82.00	2075	128.00	1264	161.00	357
51.00	16648	83.00	145	129.00	547	163.00	88
52.00	891	87.00	6396	130.00	1370	174.00	268864
55.00	867	88.00	5900	131.00	475	175.00	18808
56.00	4268	91.00	1218	133.00	85	176.00	259328
57.00	7894	92.00	9801	135.00	514	177.00	16904
58.00	279	93.00	13735	137.00	661	178.00	478
60.00	2801	94.00	37464	139.00	138	191.00	155
61.00	15042	95.00	306368	140.00	249	193.00	297
62.00	14471	96.00	20544	141.00	3404	195.00	83
63.00	10719	97.00	593	142.00	450	208.00	174
64.00	1055	103.00	325	143.00	3412	232.00	94
65.00	86	104.00	1576	144.00	82	253.00	132
67.00	746	105.00	407	145.00	302	260.00	29
68.00	32608	106.00	1303	146.00	445		
69.00	31992	107.00	274	147.00	435		

Data File: claw001.d
Client ID: BFB
Operator: WRD
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 18-OCT-2012 16:36
Instrument: C.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.: 480-26747-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-46771/6

Matrix: Air Lab File ID: claw006.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2012 20:52

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.: 46771 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.: 480-26747-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-46771/6

Matrix: Air Lab File ID: claw006.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2012 20:52

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.: 46771 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.: 480-26747-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-46771/6

Matrix: Air Lab File ID: claw006.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2012 20:52

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.: 46771 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.: 480-26747-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-46771/6
 Matrix: Air Lab File ID: claw006.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2012 20:52
 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.: 46771 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/C.i/Csvr.p/clawto15.b/claw006.d
Lab Smp Id: mb
Inj Date : 18-OCT-2012 20:52
Operator : WRD
Smp Info : mb
Misc Info : 200,1,mb
Comment :
Method : /chem/C.i/Csvr.p/clawto15.b/to15v5.m
Meth Date : 19-Oct-2012 16:59 wrd
Cal Date : 19-SEP-2012 20:06
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: C.i
Quant Type: ISTD
Cal File: cla010.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

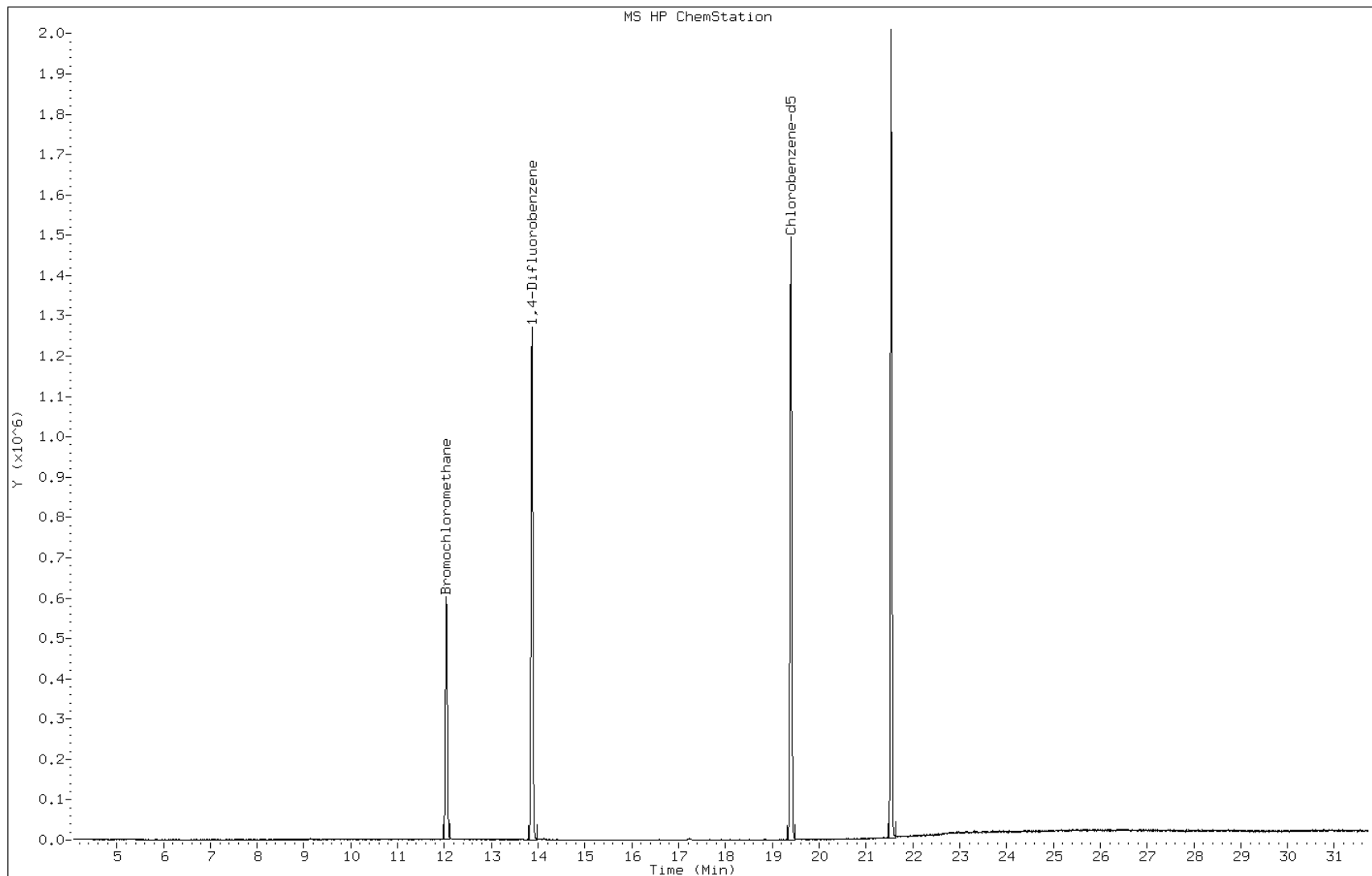
Compounds	QUANT SIG MASS						CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41							
2 Dichlorodifluoromethane	85							
3 Chlorodifluoromethane	51							
4 1,2-Dichloro-1,1,2,2-tetraflu	85							
5 Chloromethane	50							
6 Butane	43							
7 Vinyl chloride	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						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						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	12.042	12.069	(1.000)		290510		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	13.868	13.894	(1.000)		1670430		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	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	19.397	19.418	(1.000)		1503561		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.		

Data File: claw006.d
Client ID:
Operator: WRD
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 18-OCT-2012 20:52
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



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

Lab Name: TestAmerica Burlington Job No.: 480-26747-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-46771/5

Matrix: Air Lab File ID: claw005.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2012 20:01

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.: 46771 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	11.3		0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	10.5		0.20	0.20
74-87-3	Chloromethane	50.49	10.2		0.50	0.50
75-01-4	Vinyl chloride	62.50	10.0		0.20	0.20
106-99-0	1,3-Butadiene	54.09	10.6		0.20	0.20
74-83-9	Bromomethane	94.94	10.1		0.20	0.20
75-00-3	Chloroethane	64.52	9.73		0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	9.97		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	10.9		0.20	0.20
76-13-1	Freon TF	187.38	10.9		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	10.3		0.20	0.20
67-64-1	Acetone	58.08	9.43		5.0	5.0
67-63-0	Isopropyl alcohol	60.10	9.35		5.0	5.0
75-15-0	Carbon disulfide	76.14	9.58		0.50	0.50
107-05-1	3-Chloropropene	76.53	10.2		0.50	0.50
75-09-2	Methylene Chloride	84.93	10.4		0.50	0.50
75-65-0	tert-Butyl alcohol	74.12	9.24		5.0	5.0
1634-04-4	Methyl tert-butyl ether	88.15	9.81		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	10.1		0.20	0.20
110-54-3	n-Hexane	86.17	9.67		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	9.92		0.20	0.20
78-93-3	Methyl Ethyl Ketone	72.11	8.32		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	9.42		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	19.5		0.20	0.20
67-66-3	Chloroform	119.38	10.3		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	9.28		5.0	5.0
71-55-6	1,1,1-Trichloroethane	133.41	10.9		0.20	0.20
110-82-7	Cyclohexane	84.16	9.85		0.20	0.20
56-23-5	Carbon tetrachloride	153.81	11.1		0.20	0.20
540-84-1	2,2,4-Trimethylpentane	114.23	9.72		0.20	0.20
71-43-2	Benzene	78.11	9.36		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	11.1		0.20	0.20
142-82-5	n-Heptane	100.21	9.82		0.20	0.20
79-01-6	Trichloroethene	131.39	9.57		0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 480-26747-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-46771/5
 Matrix: Air Lab File ID: claw005.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2012 20:01
 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.: 46771 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	9.25		0.20	0.20
123-91-1	1,4-Dioxane	88.11	8.05		5.0	5.0
75-27-4	Bromodichloromethane	163.83	11.2		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	9.21		0.20	0.20
108-10-1	methyl isobutyl ketone	100.16	9.17		0.50	0.50
108-88-3	Toluene	92.14	8.92		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	9.94		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	9.11		0.20	0.20
127-18-4	Tetrachloroethene	165.83	9.86		0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.47		0.50	0.50
124-48-1	Dibromochloromethane	208.29	10.9		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	9.46		0.20	0.20
108-90-7	Chlorobenzene	112.30	9.29		0.20	0.20
100-41-4	Ethylbenzene	106.17	9.40		0.20	0.20
179601-23-1	m,p-Xylene	106.17	18.0		0.50	0.50
95-47-6	Xylene, o-	106.17	8.86		0.20	0.20
1330-20-7	Xylene (total)	106.17	26.9		0.20	0.20
100-42-5	Styrene	104.15	9.29		0.20	0.20
75-25-2	Bromoform	252.75	11.3		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	8.49		0.20	0.20
622-96-8	4-Ethyltoluene	120.20	10.1		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	9.55		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	10.1		0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	9.43		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	9.01		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	8.79		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	8.85		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	9.92		0.50	0.50
87-68-3	Hexachlorobutadiene	260.76	10.0		0.20	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/clawto15.b/claw005.d
Lab Smp Id: lcs 393260
Inj Date : 18-OCT-2012 20:01
Operator : WRD
Smp Info : lcs 393260
Misc Info : 200,1,lcs
Comment :
Method : /chem/C.i/Csvr.p/clawto15.b/to15v5.m
Meth Date : 19-Oct-2012 16:59 wrd
Cal Date : 19-SEP-2012 20:06
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: C.i
Quant Type: ISTD
Cal File: cla010.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	200.00000	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		4.197	4.208	(0.348)	168890	10.4542	10
2 Dichlorodifluoromethane	85		4.288	4.304	(0.356)	998919	11.2546	11
3 Chlorodifluoromethane	51		4.347	4.363	(0.361)	433650	11.0953	11
4 1,2-Dichloro-1,1,2,2-tetraflu	85		4.635	4.651	(0.385)	933689	10.5235	11
5 Chloromethane	50		4.795	4.811	(0.398)	192562	10.2142	10
6 Butane	43		5.062	5.078	(0.420)	349901	10.9625	11
7 Vinyl chloride	62		5.099	5.115	(0.423)	253995	10.0467	10
8 1,3-Butadiene	54		5.201	5.216	(0.432)	181249	10.5512	11
9 Bromomethane	94		5.985	5.990	(0.497)	281394	10.1292	10
10 Chloroethane	64		6.252	6.268	(0.519)	118709	9.73025	9.7
11 2-Methylbutane	43		6.369	6.380	(0.529)	225119	9.86586	9.9
12 Vinyl bromide	106		6.695	6.711	(0.556)	314889	9.97009	10
13 Trichlorofluoromethane	101		6.828	6.844	(0.567)	1015124	10.9094	11
14 Pentane	43		6.994	7.010	(0.580)	348570	9.64938	9.6

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.389	7.522 (0.613)		101373	18.0074	18(H)
16 Ethyl ether	59	7.549	7.565 (0.627)		151796	9.03644	9.0(Q)
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.997	8.018 (0.664)		705965	10.8981	11
18 Acrolein	56	7.901	7.917 (0.656)		57022	7.85732	7.9
19 1,1-Dichloroethene	96	8.034	8.050 (0.667)		317277	10.3031	10
20 Acetone	43	8.227	8.248 (0.683)		312390	9.42792	9.4
21 Carbon disulfide	76	8.472	8.488 (0.703)		750515	9.57747	9.6
22 Isopropanol	45	8.536	8.632 (0.709)		207678	9.35284	9.4
23 Allyl chloride	41	8.840	8.862 (0.734)		273686	10.1625	10(M)
24 Acetonitrile	41	8.883	8.915 (0.737)		98586	8.66614	8.7(QM)
25 Methylene chloride	49	9.129	9.150 (0.758)		251738	10.4257	10
26 Tert-butyl alcohol	59	9.347	9.433 (0.776)		370616	9.23592	9.2
27 Methyl tert-butyl ether	73	9.604	9.619 (0.797)		836805	9.80606	9.8
28 1,2-Dichloroethene (trans)	61	9.625	9.641 (0.799)		395785	10.0610	10
29 Acrylonitrile	53	9.689	9.715 (0.804)		132227	9.16338	9.2
30 n-Hexane	57	10.068	10.084 (0.836)		386020	9.66798	9.7
31 1,1-Dichloroethane	63	10.500	10.521 (0.872)		501674	9.91988	9.9
32 Vinyl acetate	43	10.564	10.580 (0.877)		478955	9.42691	9.4
M 33 1,2-Dichloroethene,Total	61				735383	19.4768	19
34 1,2-Dichloroethene (cis)	96	11.600	11.621 (0.963)		339598	9.41578	9.4
35 Ethyl acetate	88	11.690	11.701 (0.970)		23861	8.64392	8.6
36 Methyl Ethyl Ketone	72	11.626	11.642 (0.965)		113008	8.31955	8.3
* 37 Bromochloromethane	128	12.048	12.069 (1.000)		348469	10.0000	
38 Tetrahydrofuran	42	12.101	12.117 (0.872)		196776	9.27966	9.3
39 Chloroform	83	12.165	12.186 (1.010)		718949	10.2838	10
40 Cyclohexane	84	12.501	12.523 (0.901)		453592	9.85007	9.9
41 1,1,1-Trichloroethane	97	12.480	12.501 (0.900)		870544	10.9429	11
42 Carbon tetrachloride	117	12.742	12.758 (0.918)		916310	11.1281	11
43 2,2,4-Trimethylpentane	57	13.158	13.174 (0.948)		1223262	9.72171	9.7
44 Benzene	78	13.142	13.163 (0.947)		905177	9.35562	9.4
45 1,2-Dichloroethane	62	13.265	13.286 (0.956)		508159	11.1398	11
46 n-Heptane	43	13.499	13.515 (0.973)		407106	9.82101	9.8
* 47 1,4-Difluorobenzene	114	13.873	13.894 (1.000)		1882965	10.0000	
48 n-Butanol	56	14.161	14.204 (1.021)		78129	8.49197	8.5
49 Trichloroethene	95	14.327	14.348 (1.033)		466175	9.56551	9.6
50 1,2-Dichloropropane	63	14.791	14.812 (1.066)		271268	9.24909	9.2
51 Methyl methacrylate	69	14.924	14.946 (1.076)		247524	9.22734	9.2
52 Dibromomethane	174	15.015	15.036 (1.082)		454469	10.4726	10
53 1,4-Dioxane	88	14.994	15.020 (1.081)		104707	8.04743	8.0
54 Bromodichloromethane	83	15.266	15.293 (1.100)		829258	11.1911	11
55 1,3-Dichloropropene (cis)	75	16.109	16.136 (1.161)		488482	9.21159	9.2
56 Methyl isobutyl ketone	43	16.355	16.381 (1.179)		369757	9.17011	9.2
57 n-Octane	43	16.766	16.782 (1.208)		530601	9.18380	9.2
58 Toluene	92	16.686	16.707 (0.860)		717336	8.92326	8.9
59 1,3-Dichloropropene (trans)	75	17.177	17.203 (1.238)		545411	9.93757	9.9
60 1,1,2-Trichloroethane	83	17.529	17.550 (0.904)		305269	9.11275	9.1
61 Tetrachloroethene	166	17.721	17.737 (0.914)		723999	9.85647	9.9

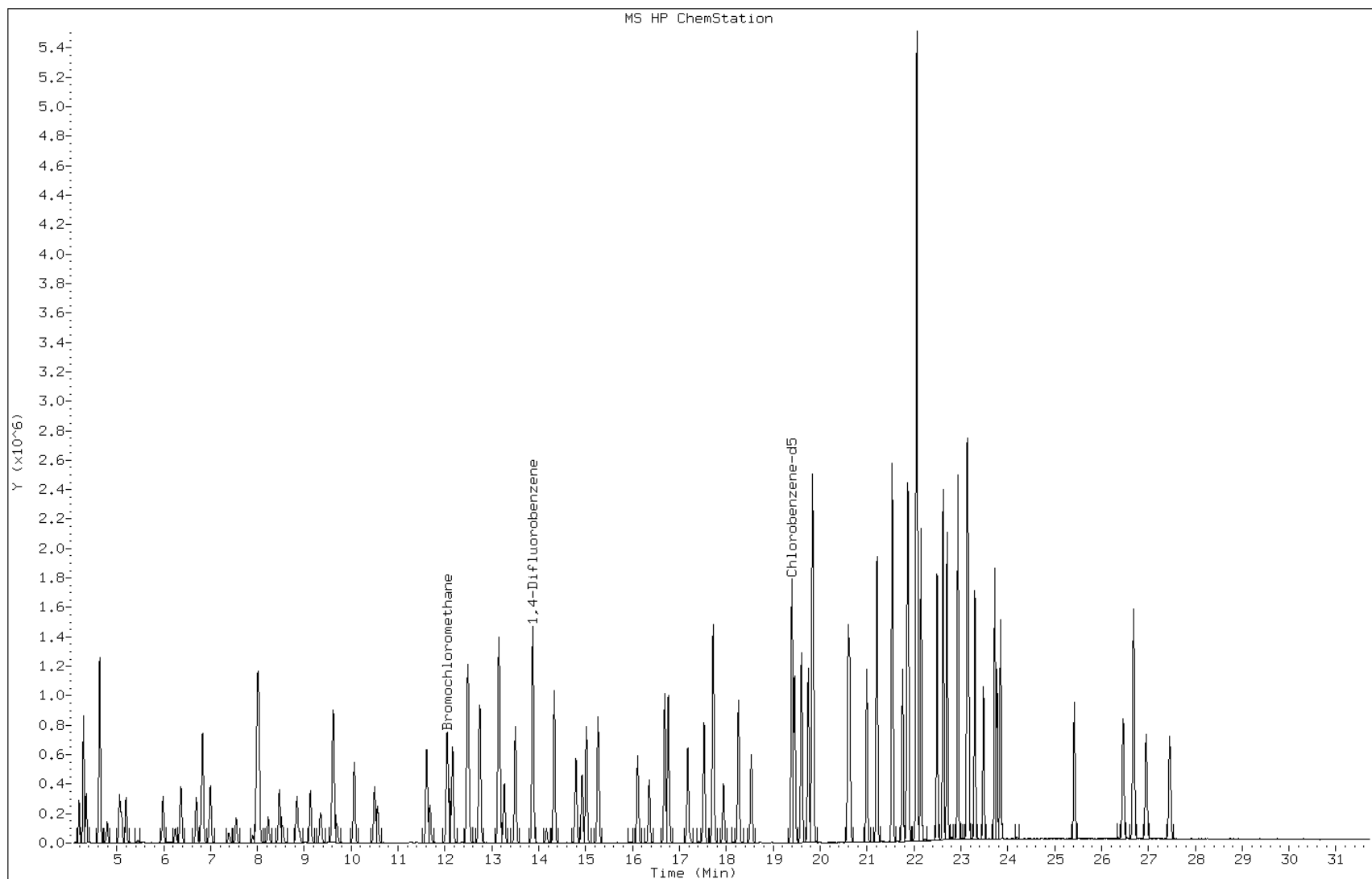
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	17.940	17.966	(0.925)	354442	9.47157	9.5
63 Dibromochloromethane	129	18.260	18.287	(0.941)	854691	10.8840	11
64 1,2-Dibromoethane	107	18.527	18.553	(0.955)	652128	9.46487	9.5
* 65 Chlorobenzene-d5	117	19.397	19.418	(1.000)	1755237	10.0000	
66 Chlorobenzene	112	19.455	19.477	(1.003)	1071892	9.28750	9.3
67 n-Nonane	57	19.749	19.765	(1.018)	555316	9.34113	9.3
68 Ethylbenzene	91	19.605	19.626	(1.011)	1534446	9.39514	9.4
69 Xylene (m,p)	106	19.840	19.861	(1.023)	1274539	18.0010	18
M 70 Xylenes, Total	106				1888652	26.8599	27
71 Xylene (o)	106	20.598	20.619	(1.062)	614113	8.85890	8.9
72 Styrene	104	20.630	20.651	(1.064)	893895	9.28809	9.3
73 Bromoform	173	20.998	21.014	(1.083)	800643	11.3138	11
74 Isopropylbenzene	105	21.211	21.227	(1.094)	1858540	9.56245	9.6
75 1,1,2,2-Tetrachloroethane	83	21.756	21.772	(1.122)	687114	8.48505	8.5
76 n-Propylbenzene	91	21.878	21.889	(1.128)	2001206	9.56245	9.6
77 1,2,3-Trichloropropane	75	21.857	21.873	(1.127)	620597	9.54879	9.5
78 n-Decane	57	22.060	22.070	(1.137)	661562	9.45153	9.5
79 4-Ethyltoluene	105	22.055	22.070	(1.137)	1887544	10.0596	10
80 2-Chlorotoluene	91	22.065	22.076	(1.138)	1563672	10.1374	10
81 1,3,5-Trimethylbenzene	105	22.151	22.166	(1.142)	1520797	9.55186	9.6
82 Alpha Methyl Styrene	118	22.492	22.508	(1.160)	734210	9.75618	9.8
83 tert-butylbenzene	119	22.620	22.636	(1.166)	1597425	9.77478	9.8
84 1,2,4-Trimethylbenzene	105	22.711	22.722	(1.171)	1441512	9.42973	9.4
85 sec-Butylbenzene	105	22.935	22.951	(1.182)	2160363	9.61559	9.6
86 4-Isopropyltoluene	119	23.133	23.148	(1.193)	1912634	10.0004	10
87 1,3-Dichlorobenzene	146	23.165	23.180	(1.194)	999423	9.01177	9.0
88 1,4-Dichlorobenzene	146	23.298	23.314	(1.201)	945237	8.79118	8.8
89 Benzyl chloride	91	23.485	23.495	(1.211)	958078	9.09375	9.1
90 Undecane	57	23.768	23.784	(1.225)	436285	7.07671	7.1
91 n-Butylbenzene	91	23.725	23.741	(1.223)	1264872	9.14862	9.1
92 1,2-Dichlorobenzene	146	23.853	23.864	(1.230)	903860	8.84546	8.8
93 Dodecane	57	25.422	25.438	(1.311)	393915	10.7611	11
94 1,2,4-Trichlorobenzene	180	26.463	26.484	(1.364)	447014	9.92250	9.9
95 1,3-Hexachlorobutadiene	225	26.687	26.703	(1.376)	492021	10.0335	10
96 Naphthalene	128	26.954	26.975	(1.390)	1056855	10.6968	11
97 1,2,3-Trichlorobenzene	180	27.455	27.482	(1.415)	417661	11.4096	11

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: claw005.d
Client ID:
Operator: WRD
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 393260
Lab Sample ID: lcs 393260

Date: 18-OCT-2012 20:01
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

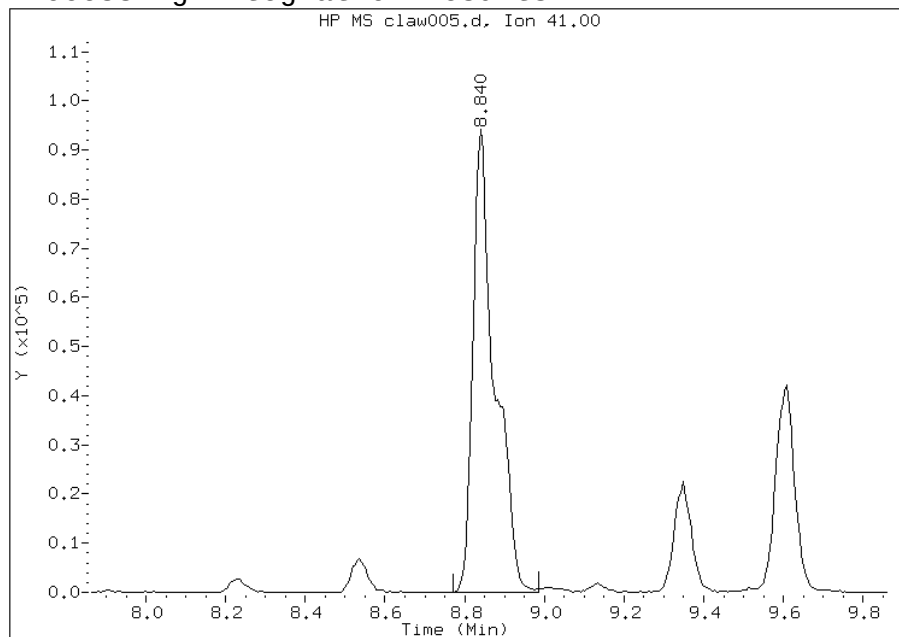


Manual Integration Report

Data File: claw005.d
Lab Sample ID: lcs 393260
Inj. Date and Time: 18-OCT-2012 20:01
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 10/19/2012

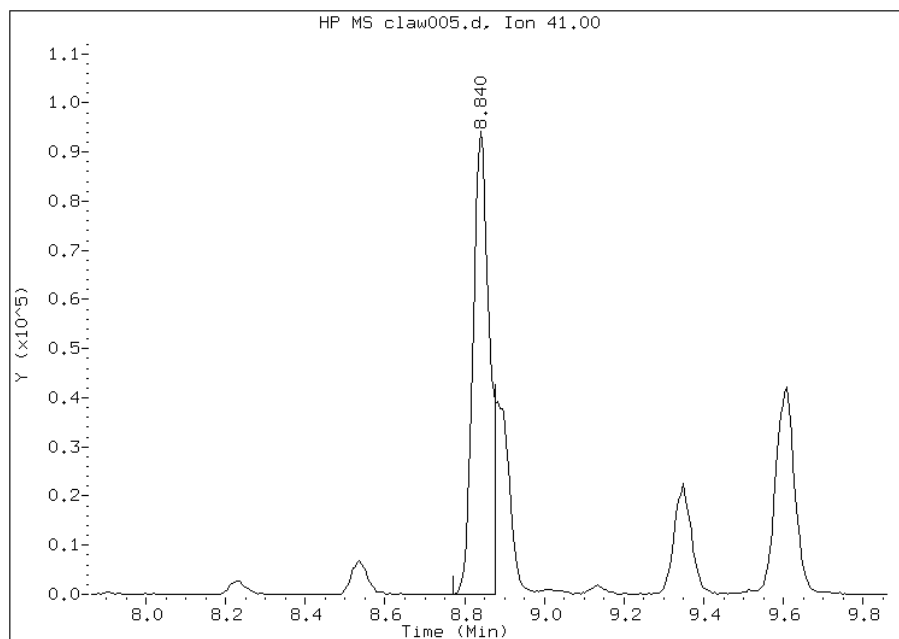
Processing Integration Results

RT: 8.84
Response: 360010
Amount: 13.37
Conc: 13.37



Manual Integration Results

RT: 8.84
Response: 273686
Amount: 10.16
Conc: 10.16



File Uploaded By: wrd
Manual Integration Reason: Poor chromatography

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 480-26747-1

SDG No.: _____

Instrument ID: C.iStart Date: 09/19/2012 12:05Analysis Batch Number: 45233End Date: 09/20/2012 10:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-45233/1		09/19/2012 12:05	1	cla001.d	RTX-624 0.32 (mm)
VIBLK 200-45233/2		09/19/2012 12:58	1		RTX-624 0.32 (mm)
IC 200-45233/3		09/19/2012 13:52	1	cla003.d	RTX-624 0.32 (mm)
IC 200-45233/4		09/19/2012 14:45	1	cla004.d	RTX-624 0.32 (mm)
IC 200-45233/5		09/19/2012 15:38	1	cla005.d	RTX-624 0.32 (mm)
IC 200-45233/6		09/19/2012 16:32	1	cla006.d	RTX-624 0.32 (mm)
ICIS 200-45233/7		09/19/2012 17:25	1	cla007.d	RTX-624 0.32 (mm)
IC 200-45233/8		09/19/2012 18:19	1	cla008.d	RTX-624 0.32 (mm)
IC 200-45233/9		09/19/2012 19:13	1	cla009.d	RTX-624 0.32 (mm)
IC 200-45233/10		09/19/2012 20:06	1	cla010.d	RTX-624 0.32 (mm)
VIBLK 200-45233/11		09/19/2012 21:00	1		RTX-624 0.32 (mm)
ZZZZZ		09/19/2012 21:53	1		RTX-624 0.32 (mm)
VIBLK 200-45233/13		09/19/2012 22:47	1		RTX-624 0.32 (mm)
ICV 200-45233/14		09/20/2012 09:17	1	cla014.d	RTX-624 0.32 (mm)
ZZZZZ		09/20/2012 10:13	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 480-26747-1

SDG No.: _____

Instrument ID: C.iStart Date: 10/18/2012 16:36Analysis Batch Number: 46771End Date: 10/19/2012 16:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-46771/1		10/18/2012 16:36	1	claw001.d	RTX-624 0.32 (mm)
CCVIS 200-46771/2		10/18/2012 17:27	1	claw002.d	RTX-624 0.32 (mm)
ZZZZZ		10/18/2012 18:19	1		RTX-624 0.32 (mm)
ZZZZZ		10/18/2012 19:10	1		RTX-624 0.32 (mm)
LCS 200-46771/5		10/18/2012 20:01	1	claw005.d	RTX-624 0.32 (mm)
MB 200-46771/6		10/18/2012 20:52	1	claw006.d	RTX-624 0.32 (mm)
ZZZZZ		10/18/2012 21:45	0.2		RTX-624 0.32 (mm)
ZZZZZ		10/18/2012 22:39	0.2		RTX-624 0.32 (mm)
ZZZZZ		10/18/2012 23:32	0.2		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 00:26	0.2		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 01:16	10		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 02:08	28.4		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 02:59	2.3		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 03:52	0.2		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 04:46	0.2		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 05:40	0.2		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 06:34	0.2		RTX-624 0.32 (mm)
480-26747-1	AS Effluent-4Q12	10/19/2012 07:25	1	claw018.d	RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 08:16	989		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 09:09	0.2		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 10:02	0.2		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 10:55	0.2		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 11:47	0.2		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 12:38	201		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 13:30	1		RTX-624 0.32 (mm)
480-26747-2	LRP Effluent-4Q12	10/19/2012 14:21	251	claw026.d	RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 15:11	484		RTX-624 0.32 (mm)
ZZZZZ		10/19/2012 16:11	995		RTX-624 0.32 (mm)

Subcontract Data

Shipping and Receiving Documents

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: <u>Dino Zack</u>		Samples Collected By: <u>DLZ</u>		1 of COCS													
Company: <u>AECOM</u>	Phone: <u>716-836-4506</u>	Email: <u>dino.zack@aecom.com</u>																	
Address: <u>100 Corporate Pkwy</u>	City/State/Zip: <u>Amherst, NY</u>	Site Contact: <u>D. Zack</u>																	
Phone: <u>716-836-4506</u>	FAX: <u></u>	TA Contact: <u>B. Fischer</u>																	
Project Name: <u>Scott Avonon 40Q12</u>		Analysis Turnaround Time																	
Site: <u>Lancaster, NY</u>		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)
AS Effluent - 40Q12	10/11/12	0800	0800	-29.4	NA	NA	3095	X											
APF Effluent - 40Q12	10/11/12	0800	0800	-29.4	NA	NA	3725	Y											
LRP Effluent - 40Q12	10/11/12	0800	0800	-29.4	NA	NA													
Special Instructions/QC Requirements & Comments:																			
Samples Shipped by: <u>Dino Zack</u>		Date/Time: <u>10/11/12 0815 hrs</u>		Samples Received by: <u>[Signature]</u>		Date/Time: <u>10/12/12 1300</u>													
Samples Requisitioned by: <u>[Signature]</u>		Date/Time: <u>10/11/12 1640</u>		Received by: <u>[Signature]</u>		Date/Time: <u>10-12-12 1840</u>													
Relinquished by: <u>[Signature]</u>		Date/Time:		Received by:															
Lab Use Only				Shipper Name:				Opened by:				Condition:							

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-26747-1

Login Number: 26747

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	N/A	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	N/A	
Samples are received within Holding Time.	N/A	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	N/A	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Sampling Company provided.	N/A	
Samples received within 48 hours of sampling.	N/A	
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: 480-26747-1

Login Number: 26747

List Source: TestAmerica Burlington

List Number: 1

List Creation: 10/17/12 01:08 PM

Creator: Poucher, Stephanie A

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	False	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	605297, 298
Sample custody seals, if present, are intact.	True	605299, 300
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	ambient
COC is present.	False	Refer to Job Narrative for details.
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	



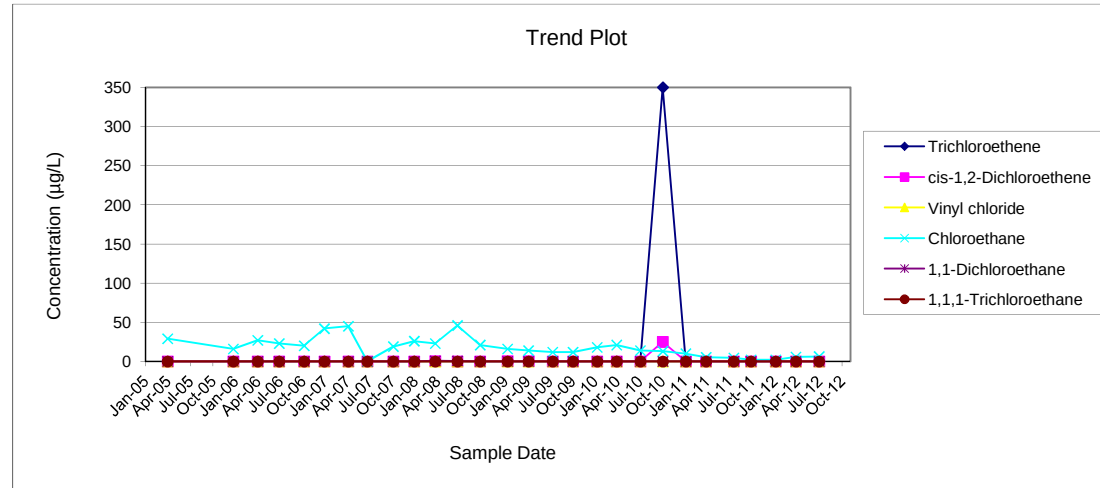
APPENDIX D

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

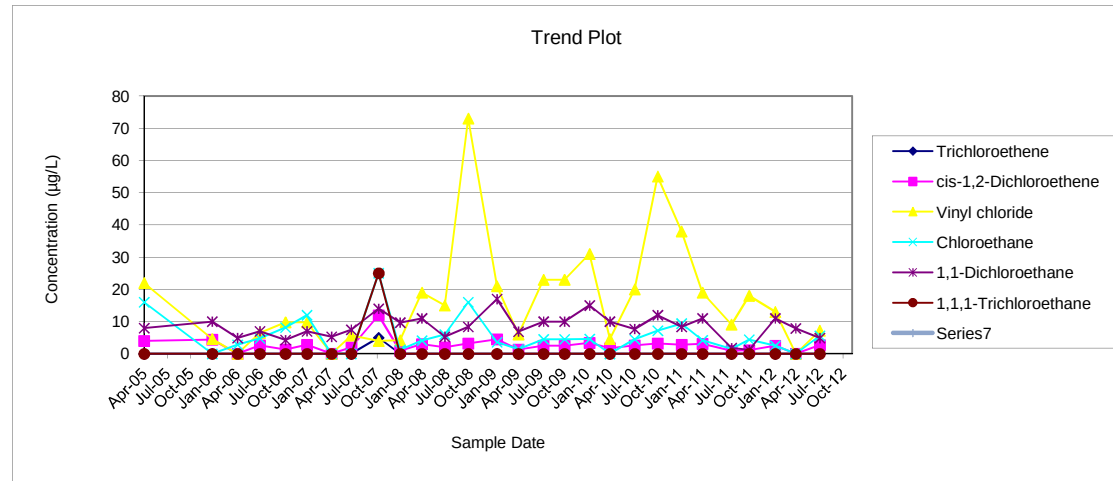
MONITORING WELL MW-2
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

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



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

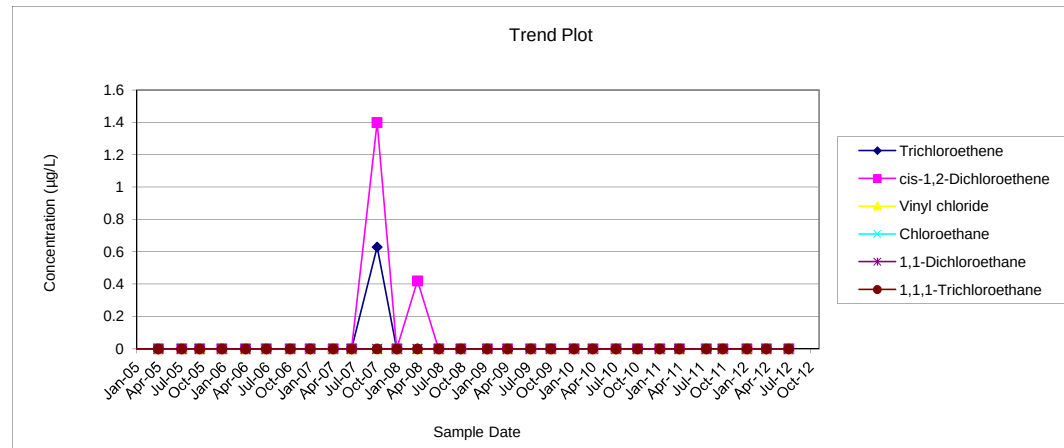
Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1,1-Tetrachloroethane
11/7/2003	270	9,100	3,700	< 10	320	28
10/13/2004	8,100	26,000	3,300	< 1000	560	220
1/7/2005	20,000	57,000	5,500	< 2000	1,600	4,400
1/6/2006	6,500	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

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

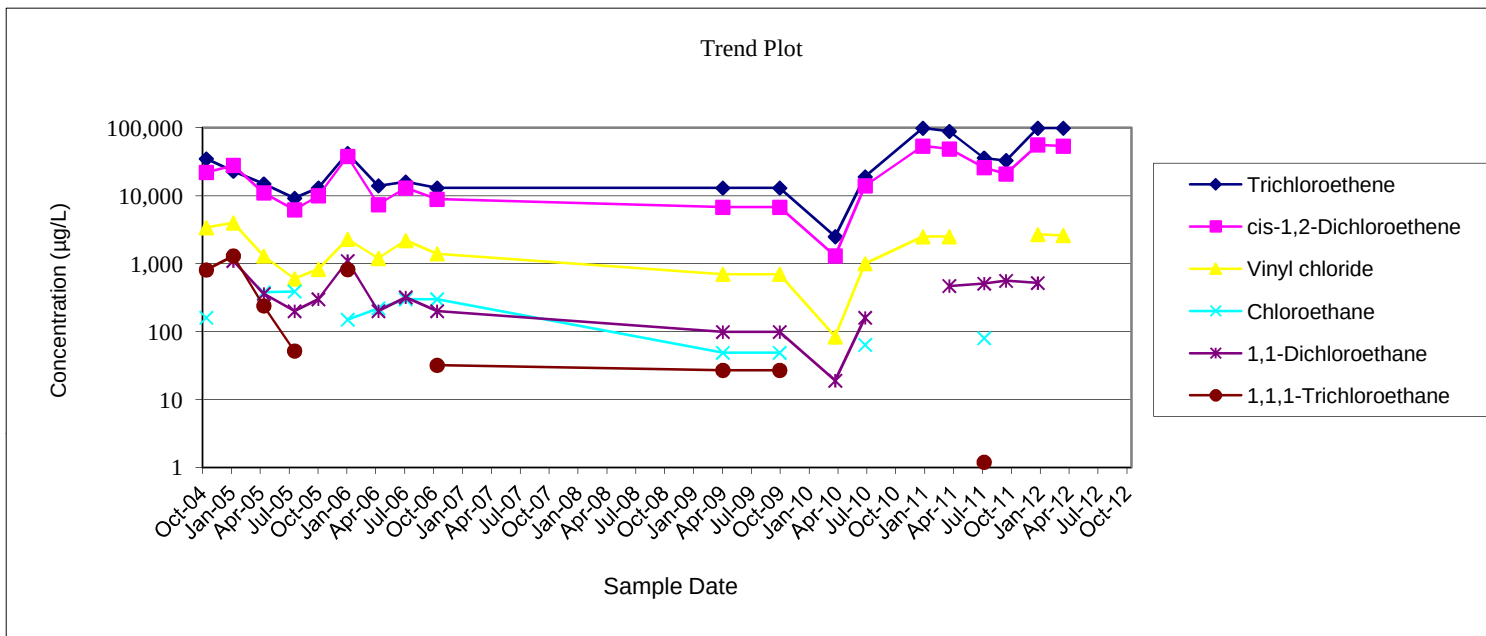
MONITORING WELL MW-6
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

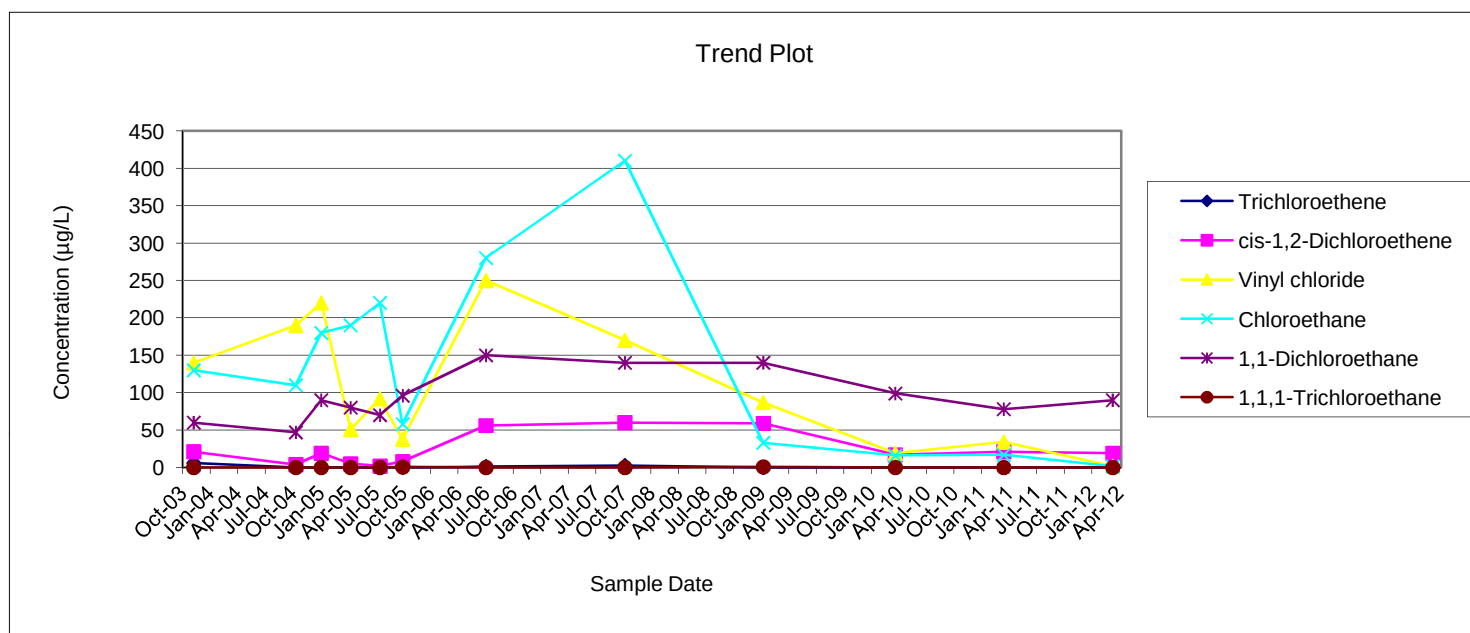
MONITORING WELL MW-8R
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

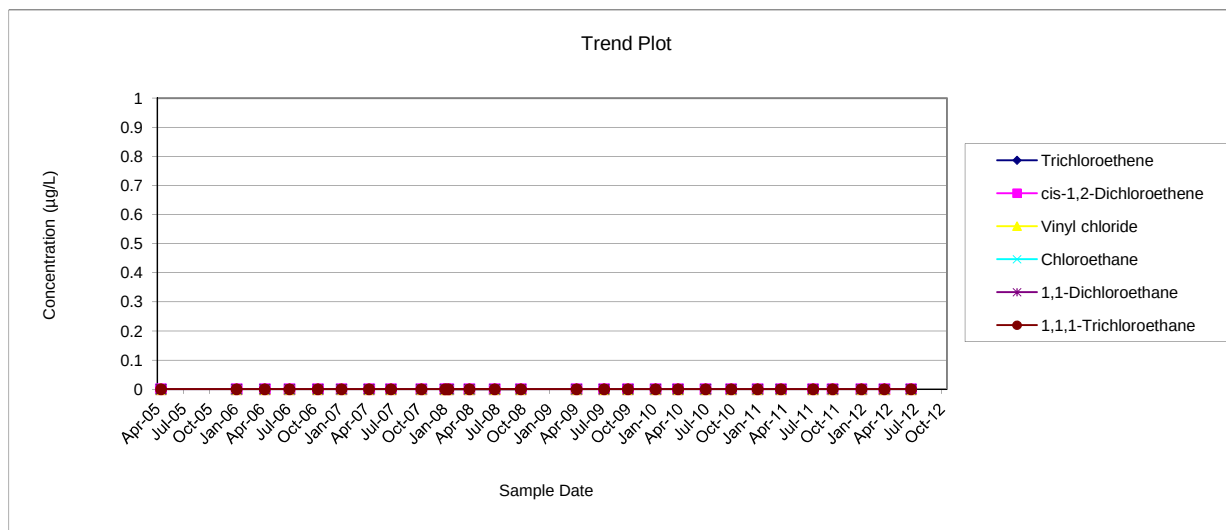
MONITORING WELL MW-9
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

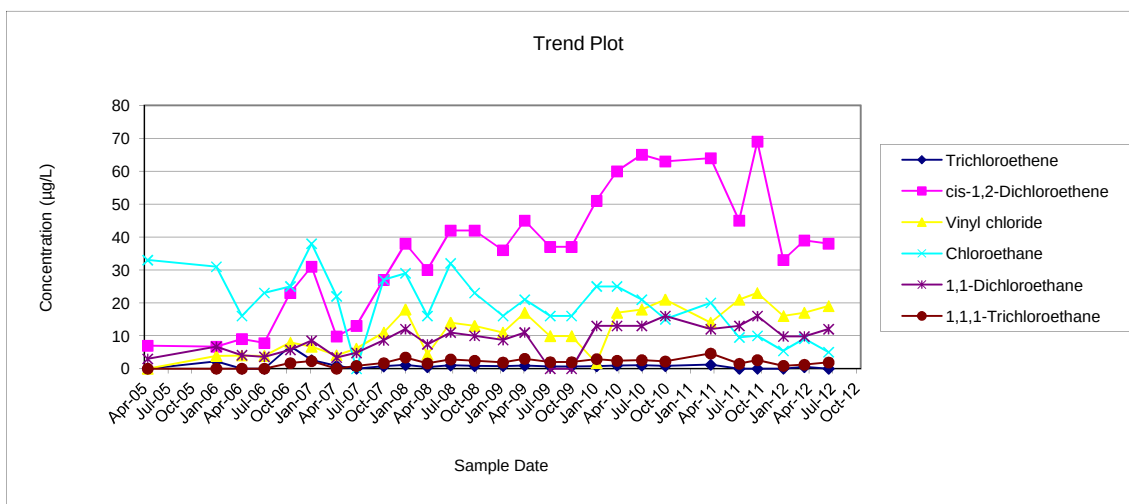
MONITORING WELL MW-10
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

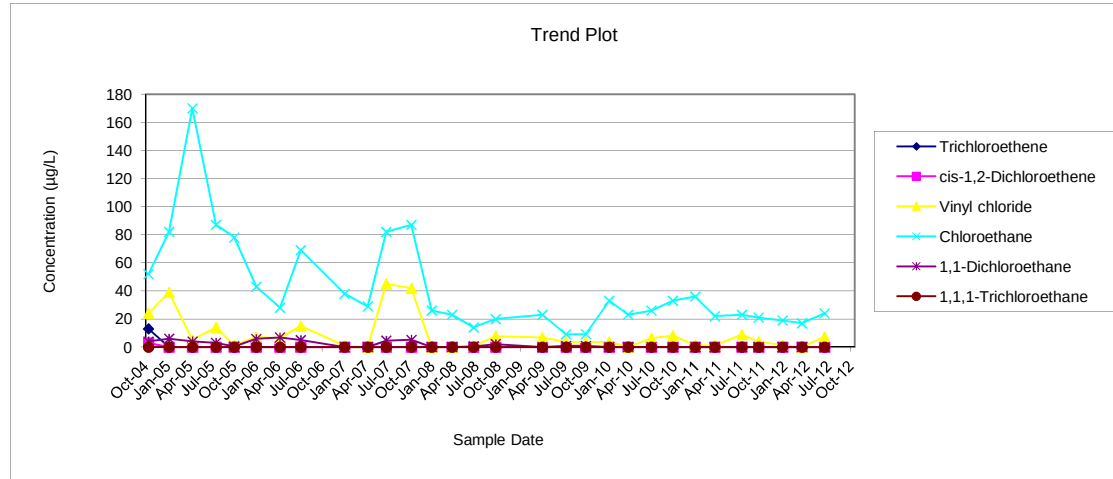
MONITORING WELL MW-11
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

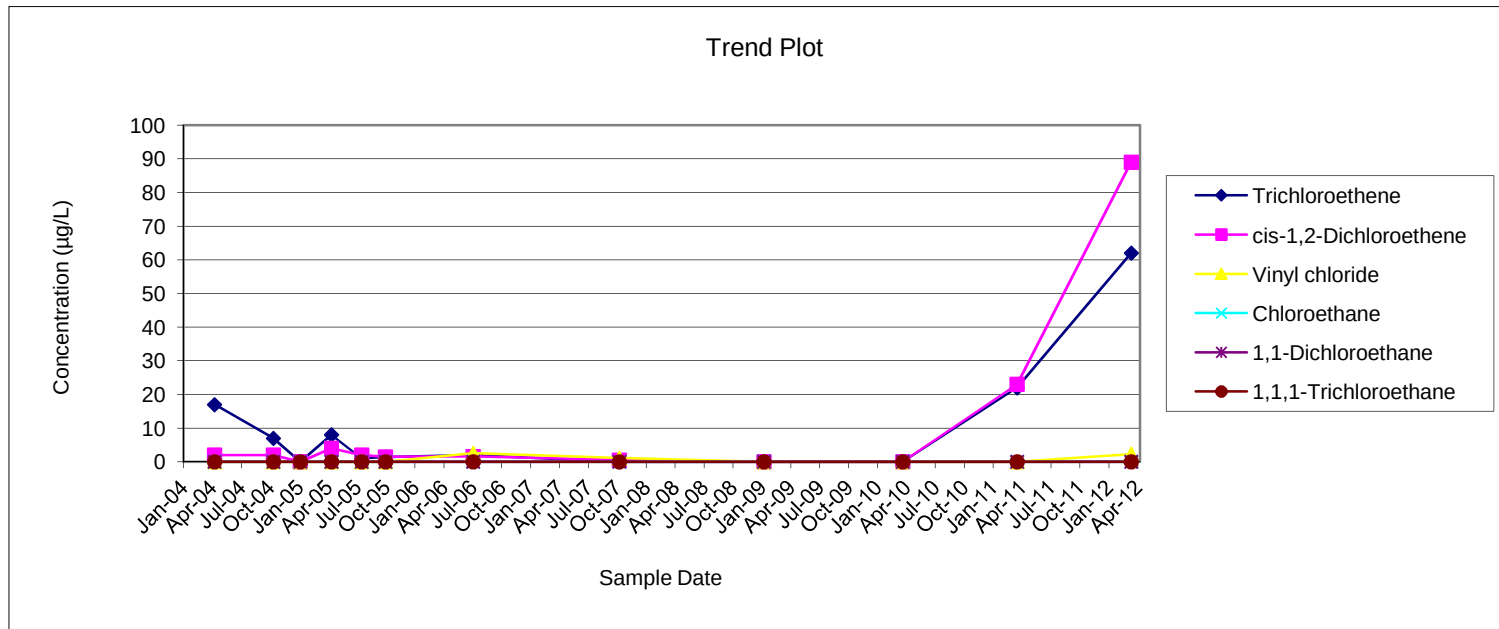
MONITORING WELL MW-12
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-13D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	17	2	< 10	< 10	< 10	< 10
10/12/2004	7	2	< 10	< 10	< 10	< 10
1/6/2005	< 10	< 10	< 10	< 10	< 10	< 10
4/15/2005	8	4	< 10	< 10	< 10	< 10
7/20/2005	1	2	< 5	< 5	< 5	< 5
10/4/2005	1.4	1.5	< 5	< 5	< 5	< 5
7/10/2006	2	1.6	2.6	< 5	< 5	< 5
10/18/2007	<5	0.55	1.1	< 5	< 5	< 5
1/20/2009	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
4/6/2011	22	23	<1	<1	<1	<1
4/3/2012	62	89	2.3	<1	<1	<1

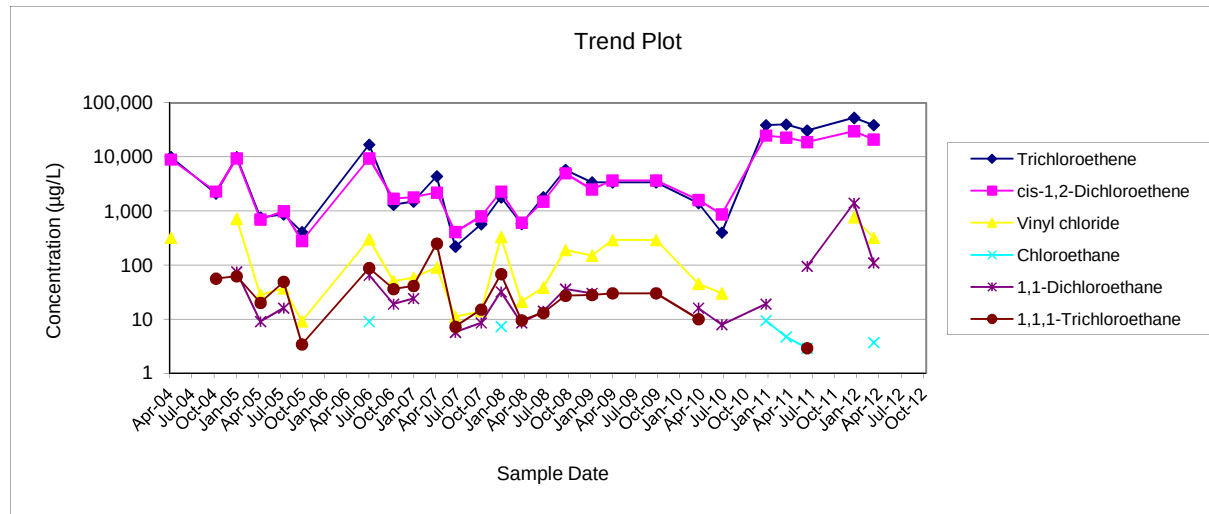
PIEZOMETER MW-13D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

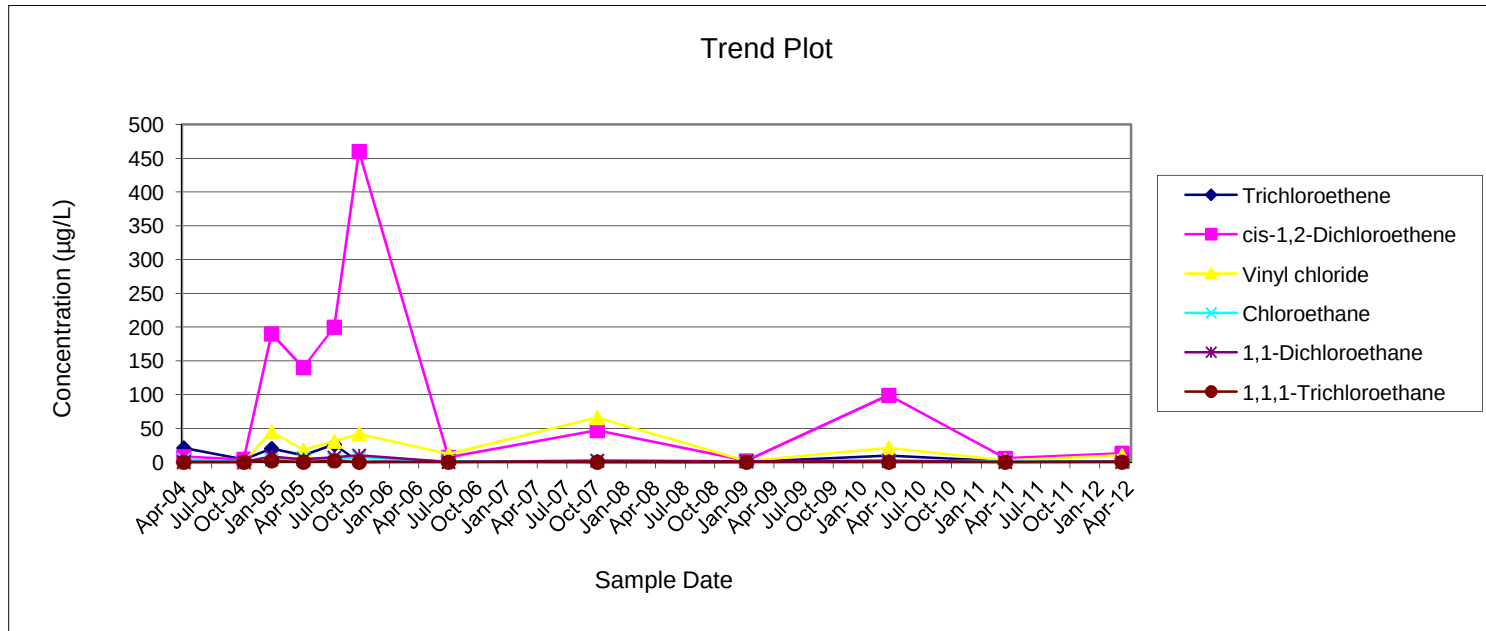
**PIEZOMETER MW-13S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



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

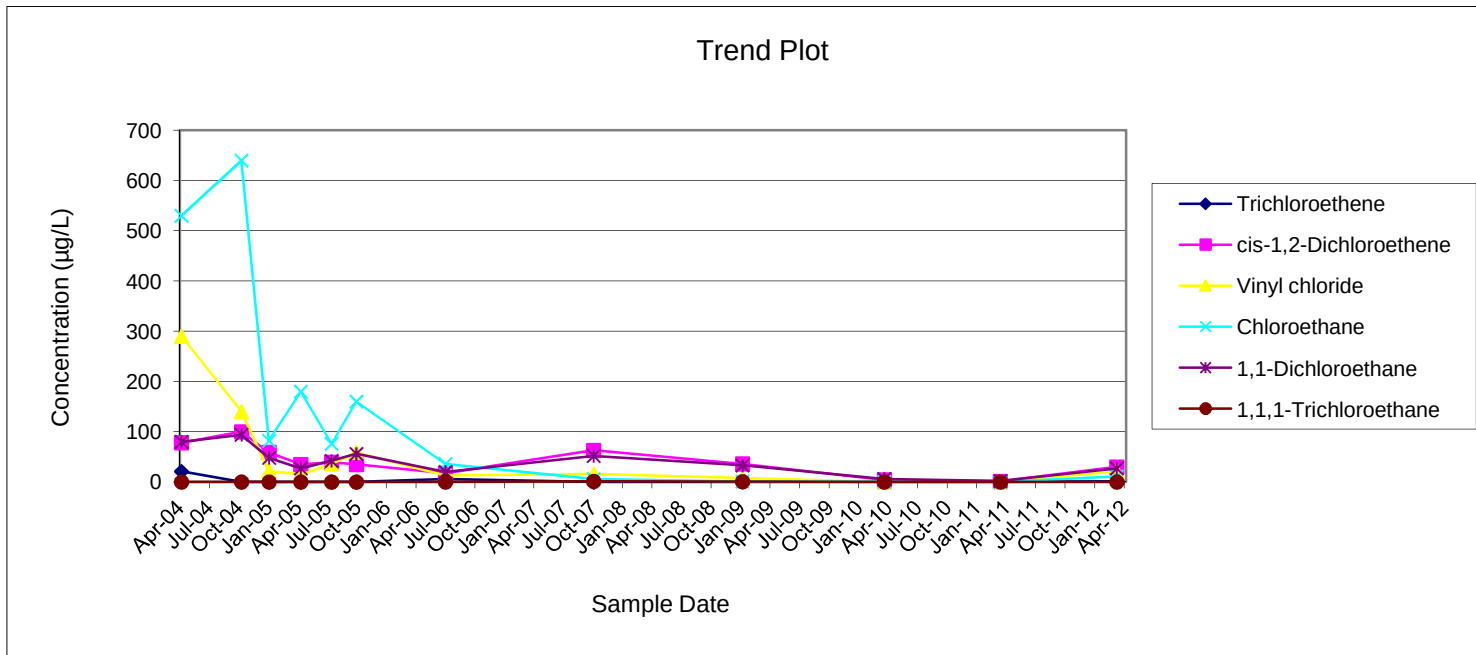
PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

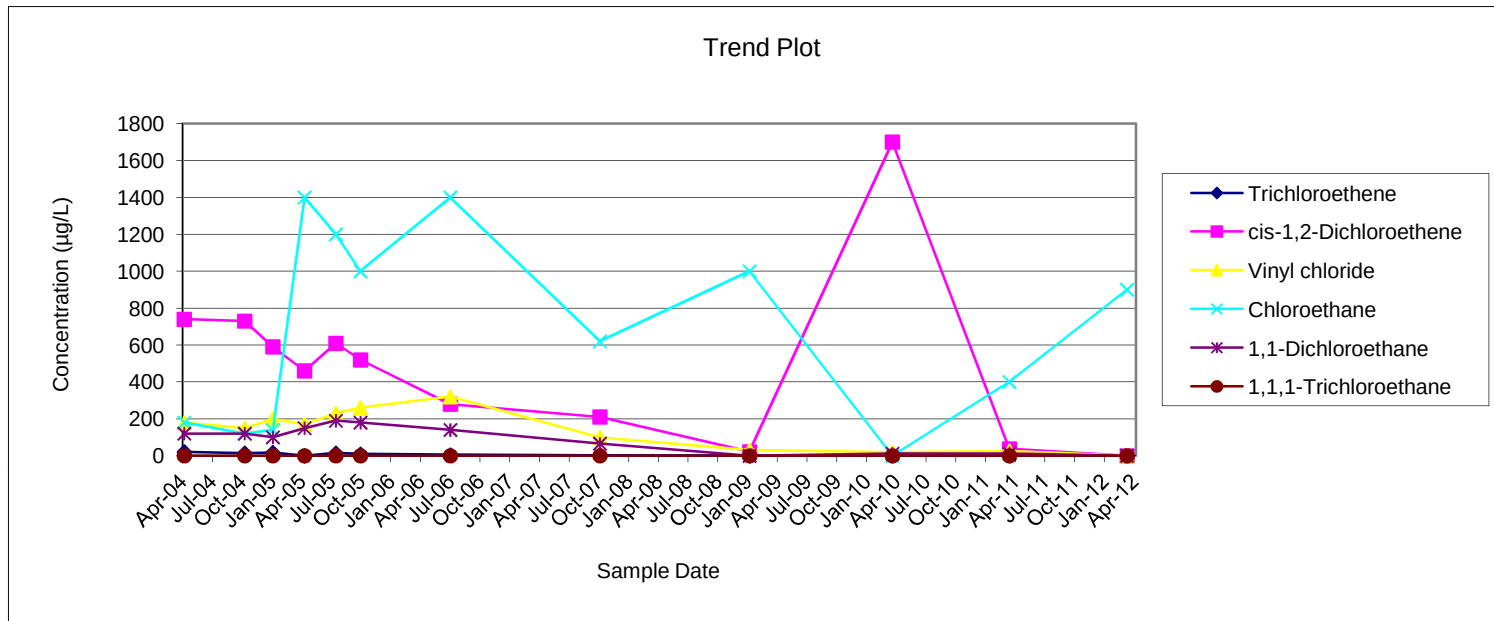
**PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



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

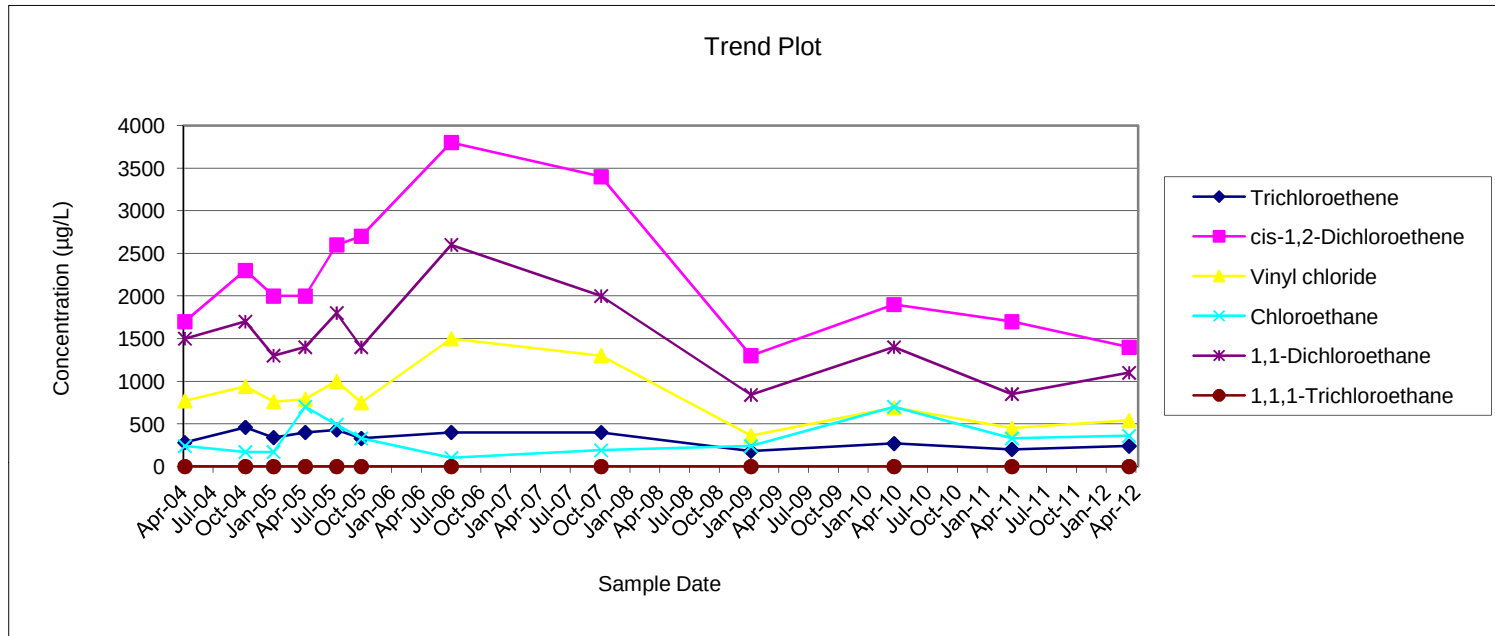
PIEZOMETER MW-15D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

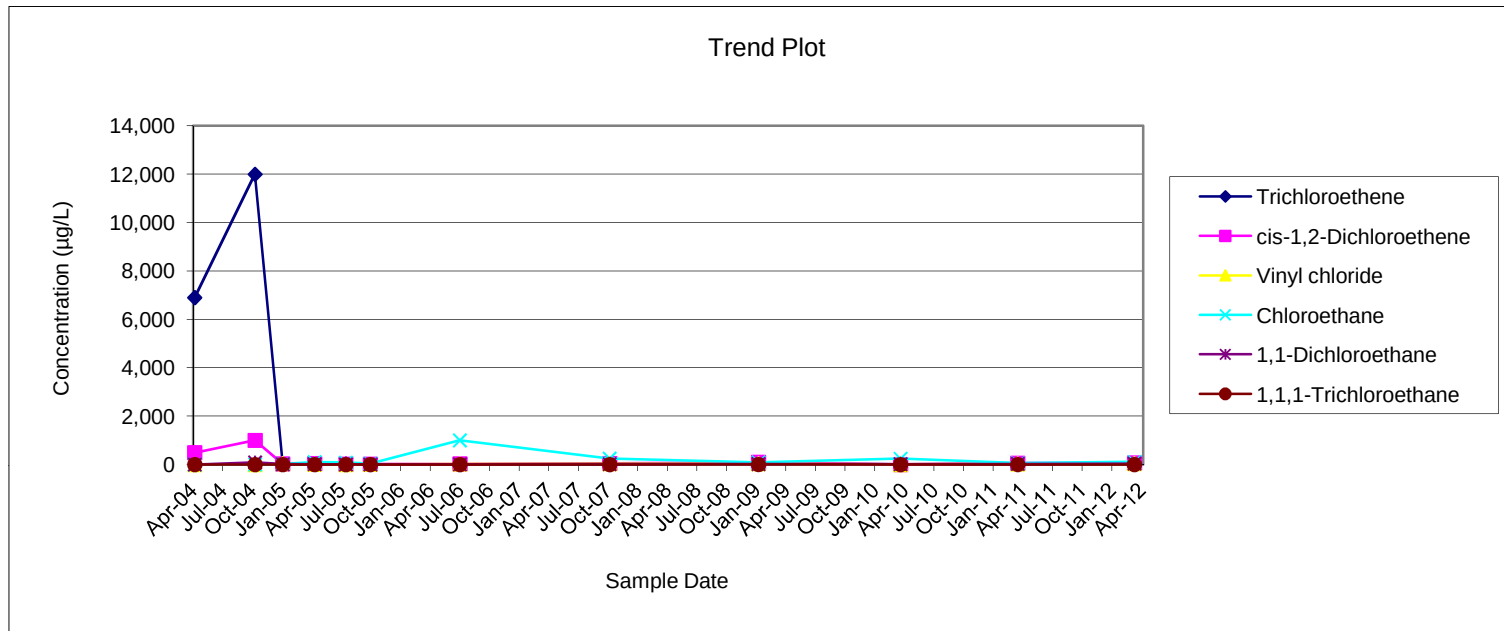
PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-16D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	6,900	490	< 500	< 500	< 500	< 500
10/12/2004	12,000	1,000	< 500	< 500	91	< 500
1/6/2005	9	27	39	22	15	< 10
4/15/2005	32	36	17	100	10	< 10
7/21/2005	25	12	4	84	2	< 10
10/5/2005	1.3	16	10	41	5	<5
7/10/2006	6.1	27	21	1,000	9.7	< 5
10/18/2007	6	48	39	250	16	< 20
1/22/2009	52	92	39	90	21	1.9
4/8/2010	12	6.9	3.6	240	8.7	< 10
4/7/2011	22	59	33	59	27	1.2
4/3/2012	42	66	46	110	35	<1

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	130,000	47,000	2,800	2,600	1,600	820
1/8/2008	67,000	30,000	3,200	< 5,000	1,100	< 5,000
4/3/2008	76,000	35,000	2,900	710	1,300	500
7/2/2008	58,000	26,000	2,400	570	830	<5,000
10/2/2008	63,000	26,000	3,100	690	920	<5,000
1/22/2009	92,000	51,000	4,200	730	1,800	490
4/15/2009	130,000	61,000	4,200	<2,000	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	<2,000	1,200	2,400

**PIEZOMETER MW-16S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

