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August 28, 2014

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

**Subject: Third Quarter 2014 Groundwater Monitoring Report
July 2014 Sampling Event
Former Scott Aviation Facility – Plant 2
Lancaster, New York
NYSDEC Site Code No. 9-15-149**

Dear Mr. May:

On behalf of Scott Technologies, Inc., AECOM Technical Services, Inc. (AECOM) is pleased to provide the Third Quarter 2014 Groundwater Monitoring Report for the former Scott Aviation Facility (site) located in Lancaster, New York (**Figure 1**). Quarterly groundwater monitoring activities have been performed in accordance with the New York State Department of Environmental Conservation (NYSDEC), Administrative Order on Consent (AOC), Index No. B9-0377095-05, for the former Scott Aviation property (formerly Figgie International), NYSDEC Site Code No. 9-15-149. This report has been developed in accordance with the NYSDEC, Division of Environmental Remediation, DER-10 Technical Guidance for Site Investigation and Remediation, dated May 3, 2010.

Groundwater samples were collected from select monitoring wells in fulfillment of the site AOC groundwater monitoring requirements. A new monitoring schedule was implemented based on Table 10 presented in the Periodic Review Report (PRR) (April 3, 2012 through April 3, 2013), dated July 2013, and the wells sampled during this groundwater monitoring event reflect this schedule. Additionally, vapor samples were collected as part of the July 2014 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. (AVOX). Responsibility for the DPE groundwater remediation system located at 25A Walter Winter Drive, west of AVOX Plant 2, was retained by Scott Technologies, Inc., the former parent company of Scott Aviation, Inc. Scott Technologies, Inc. has retained the services of AECOM for the ongoing O&M of the DPE remediation system and related groundwater monitoring activities.

AECOM conducted a site investigation during February 2003 in fulfillment of the document "Site Investigation Work Plan," dated December 31, 2002 (NYSDEC approval dated January 15, 2003). A comprehensive "Site Investigation Completion Report" (SICR) was submitted to NYSDEC on

June 30, 2003; the report was approved by NYSDEC in August 2003. At the request of NYSDEC, AECOM prepared a "Remedial Design Work Plan" (RDWP) to complete the additional remedial work recommended in the SICR. The RDWP was submitted to NYSDEC on November 21, 2003, and the document was approved by NYSDEC on January 5, 2004.

Per the approved RDWP, a DPE remediation system was installed at the site during the period February 2004 through May 2004, and the DPE system was initially started on May 14, 2004. The DPE system was combined with a pre-existing groundwater collection trench (GWCT) system that was started on March 1, 1996.

The objectives for this combined remediation system (collectively known as the combined DPE remediation system) include:

- Maintaining hydraulic capture of groundwater containing dissolved volatile organic compounds (VOCs) along the western Plant 2 property boundary;
- Inducing a depression in the water table surface and reversing the groundwater flow direction along the western Plant 2 property boundary; and,
- Reducing VOC concentrations in perched groundwater and soil.

Figure 2 depicts the location of site groundwater monitoring wells and piezometers, DPE recovery wells and system piping, enclosed DPE system trailer, and pre-existing GWCT and treatment building. **Figure 3** provides the process and instrumentation diagram for the combined DPE remediation system.

At the conclusion of the initial one-year O&M period (May 14, 2004 to July 19, 2005), a "Remedial Action Engineering Report" (RAER) was prepared to summarize the combined DPE remediation system as-built design, combined DPE remediation system start-up, O&M activities, and quarterly monitoring data, and to provide recommendations for continued system operation, system optimization, sampling frequency, and O&M. The 2005 RAER was submitted to NYSDEC on November 11, 2005. In a letter dated December 13, 2005, NYSDEC accepted the 2005 RAER and requested that site monitoring wells MW-4, MW-8R, and MW-16S be added to the quarterly site sampling schedule.

The second year of combined DPE groundwater remediation system operation was summarized in the 2006 RAER (July 20, 2005 through July 20, 2006) and was submitted to NYSDEC in November 2006. The third year of combined DPE groundwater remediation system operation was summarized in the 2007 RAER (July 21, 2006 through October 15, 2007) and was submitted to NYSDEC in January 2008. The fourth year of combined DPE groundwater remediation system operation was summarized in the 2008 RAER (October 15, 2007 through January 22, 2009) and was submitted to NYSDEC in April 2009. The fifth year of combined DPE groundwater remediation system operation was summarized in the 2009 RAER (January 22, 2009 through April 8, 2010) and was submitted to NYSDEC in June 2010.

Per a letter from NYSDEC dated August 16, 2010, an Institutional Controls/Engineering Controls (IC/EC) certification will, as of that correspondence, be required for the site each calendar year, and it is to include four quarters of groundwater sampling based on the attached **Table 1** (Table 1 is updated quarterly; the attached Table 1 presents the groundwater monitoring schedule for the site from October 2014 through July 2015). The August 2010 NYSDEC letter also stated that, as of that correspondence, the RAER should be revised into a PRR. Therefore, the sixth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 8, 2010 through April 7, 2011) and submitted to NYSDEC in June 2011. The seventh year of combined DPE groundwater remediation system operation was summarized in a PRR (April 7, 2011 through April

3, 2012) and submitted to NYSDEC in May 2012. The eighth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 3, 2012 through April 3, 2013) and submitted to NYSDEC in July 2013. During the past year, the ninth PRR (April 3, 2013 through April 7, 2014) was completed and submitted to NYSDEC on July 29, 2014. An IC/EC certification was included with each PRR.

Quarterly Groundwater Monitoring Activities – July 2014

AECOM personnel collected quarterly groundwater samples on July 16-17, 2014, in accordance with the procedures outlined in the NYSDEC-approved November 2003 RDWP and the August 2010 letter. Monitoring wells sampled in July 2014 included MW-2, MW-3, MW-6, MW-8R, MW-10, MW-11, MW-12, and MW-13S (**Figure 2**). Field forms generated during this sampling event are provided in **Appendix A**. Groundwater samples were analyzed for VOCs by TestAmerica Laboratories, Inc. (Amherst, New York) using United States Environmental Protection Agency (EPA) SW-846 Method 8260C.

Prior to the collection of groundwater samples, a complete round of groundwater levels was measured in all accessible site wells and piezometers. **Table 2** provides a summary of groundwater elevations measured on July 16, 2014. A summary of current and historical groundwater levels and corresponding elevations and hydrographs for each monitoring well and nested piezometer pair are provided in **Appendix B**. Monitoring wells MW-2, MW-3, MW-6, MW-8R, MW-9, MW-10, MW-11, and MW-12 are screened across both the shallow and deep overburden groundwater zones. The nested piezometer pairs (MW-13S/D, MW-14S/D, MW-15S/D, and MW-16S/D) are discretely screened with one piezometer screened in the shallow overburden groundwater zone ('S' designation) and one piezometer screened in the deep overburden groundwater zone ('D' designation). **Figure 4** provides the groundwater surface contours and the corresponding groundwater flow direction using monitoring well and deep piezometer water elevation data collected on July 16, 2014.

Groundwater elevations measured on July 16, 2014 ranged from 685.61 feet above mean sea level (AMSL) at MW-15S to 672.83 feet AMSL at MW-14D. The average groundwater surface elevation across the site was 1.97 feet lower when compared to the prior round of groundwater measurements collected in April 2014, as the DPE system was fully operational during the July 2014 sampling event. Based on the July 2014 water level measurements, the groundwater surface beneath the site exhibits inward flow towards the GWCT and DPE wells. As **Figure 4** illustrates, the GWCT induces groundwater flow reversal along the western AVOX Plant 2 property boundary. This reversal in groundwater flow provides hydraulic capture of VOCs present in the overburden groundwater that might otherwise migrate off-site.

Groundwater Quality Results – July 2014

Table 3 summarizes VOC data for groundwater samples collected in July 2014. The table below summarizes VOCs detected in groundwater above their detection limits, their respective concentration ranges, the number of detections, and the number of those detections that exceeded the site-specific Remedial Action Objectives (RAOs) or the New York Code of Rules and Regulations (NYCRR), Title 6, Part 702.15(a)(2) and 703.5. Note that in some cases the detection limits for certain VOCs were set above their respective RAO's due to dilution factors (high concentration of target analyte[s]).

**Groundwater Quality Results
July 2014**

VOCs Detected in Groundwater	Concentration Range (µg/L)	Number of Detections	RAO/NYCRR Exceedances
Vinyl chloride	3.3 – 2,300	4	3
cis-1,2-Dichloroethene	2.4 – 58,000	4	3
1,1-Dichloroethane	8.1 - 410	3	3
Trichloroethene	33,000 - 110,000	2	2
Chloroethane	0.94 – 9.4	4	1
Acetone	3.3 – 4.1	2	0
1,1,1-Trichloroethane	1.4	1	0
Benzene	0.92	1	0
1,1-Dichloroethene	0.56	1	0
Cyclohexane	0.83	1	0

Ten VOCs were detected in groundwater above their associated detection limit during the monitoring period. Five of the ten VOCs detected exceeded either the site-specific RAOs for groundwater or the NYCRR criteria, including vinyl chloride (VC), cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-dichloroethane (1,1-DCA), trichloroethene (TCE), and chloroethane. The occurrence of these compounds is primarily in the vicinity of the former on-site source area, and VOC concentrations decrease significantly in the vicinity of the perimeter monitoring wells.

An electronic copy of the analytical laboratory data package for the July 2014 groundwater monitoring event is provided in **Appendix C**. A complete hard copy of the analytical data report can be made available to NYSDEC upon request.

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

Historical trend plots for the wells sampled during this quarter for concentrations of TCE, cis-1,2-DCE, VC, 1,1,1-TCA, 1,1-DCA, and chloroethane are provided in **Appendix D**. As stated above, the VOC concentrations in groundwater continue to show a degradation trend as a result of naturally occurring reductive dechlorination processes, and potentially as a result of the chemical oxidation injection pilot test. Additionally, historical concentrations of VOCs in soil vapor and groundwater are also decreasing as a result of extraction and treatment through the combined DPE remediation system. Because TCE is considered the primary source of groundwater contamination at the site, a summary of historical and current TCE concentrations in groundwater for the eight monitoring wells and piezometers sampled in July 2014 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, and MW-11.

Table 4 shows a summary of historical and current TCE concentrations. Based on the July 2014 groundwater data, there was a slight increase in TCE concentrations at MW-8R and MW-13S from the previous time these wells were sampled (i.e., April 2014). Overall, decreases in TCE concentrations observed since the combined DPE groundwater remediation system was installed in May 2004 indicates the system continues to reduce VOC concentrations in overburden groundwater and soil at the site.

Quarterly Combined DPE Remediation System Vapor Effluent Monitoring Activities – July 2014

AECOM personnel collected vapor effluent samples from the combined groundwater remediation system vapor discharge stacks on July 17, 2014. A Summa canister was used to collect the vapor samples from the permanent sample port located on the air stripper (AS) air stack and on the liquid ring pump (LRP). **Figure 3** shows the location of the vapor sample ports. The air samples were analyzed for VOCs using EPA Method TO-15 (modified TO-14A) by TestAmerica Laboratories, Inc. located in Burlington, Vermont.

Combined DPE Remediation System Effluent Monitoring Results – July 2014

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). Three VOCs were detected in the combined DPE remediation system LRP effluent, and 20 VOCs were detected in the AS unit effluent. The total VOCs discharged were 26,860 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in the LRP effluent and 233 $\mu\text{g}/\text{m}^3$ in the AS unit effluent. The calculated VOC discharge-loading rate for the combined DPE remediation system was approximately 0.011 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:

- AECOM and subcontractor Matrix Environmental Technologies, Inc. (Matrix), completed repairs to the liquid ring pump wiring on May 22, 2014 and restarted DPE remediation system; note GWCT and air stripper ran continuously while DPE remediation system was down.
- Matrix visited the site on July 7, 2014 to perform O&M on the remediation system. Matrix noted that the knock out tank pump and hold tank pump were not running; Matrix removed sediment from the piping between the hold tank pump and bag filter vessels and successfully restarted the DPE system; note the GWCT and AS ran continuously throughout the month of July 2014.

The combined DPE remediation system was partially operational throughout the monitoring period. Based on a system operational period from April 8, 2014 (second quarter groundwater sampling

event) to July 17, 2014, the total combined DPE system runtime was approximately 54.4 percent (down from 97 percent from last quarter). This runtime percentage was derived by dividing the LRP run timer (47,209.4 hours on July 17, 2014, 2013 minus 45,885.4 hours on April 7, 2014 equals 1,324 hours) by the duration of the monitoring period (2,422 hours). During this operational period, the estimated total volume of groundwater treated and discharged by the AS unit to the local sanitary sewer was 175,680 gallons at a combined average flow rate of 1.39 gallons per minute.

Summary

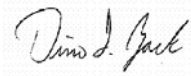
The combined DPE remediation system (DPE and GWCT) was fully operational during Third Quarter 2014 groundwater sampling and monitoring activities that occurred on July 16-17, 2014. TCE was not detected above its RAO in site perimeter monitoring wells MW-2, MW-3, MW-6, MW-10, MW-11, and MW-12.

Based on the results of the July 2014 sampling event, the combined DPE remediation system continues to maintain hydraulic capture of the overburden groundwater. In addition, the system continues to make progress towards the reduction of the concentration of VOCs present in site soil and groundwater. Vapor emissions produced by the system during the Third Quarter 2014 were less than the NYSDEC discharge guidance value of 0.5 lb/hr.

The next monitoring event is scheduled for October 2014; a list of the monitoring wells and piezometers to be sampled is included in **Table 1**.

If you have any questions regarding this submission, please do not hesitate to contact me at (716) 836-4506 or via e-mail at dino.zack@aecom.com.

Yours sincerely,



Dino L. Zack, P.G.
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\Enclosures

cc: Stuart Rixman, Tyco International (Electronic Copy)
 Joseph Janeczek, Tyco International (Electronic Copy)
 Jennifer Davide, AVOX Systems Inc. (Electronic Copy)
 AECOM Project File (Electronic Copy)



APPENDIX A

Field Forms

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	7/16/2014	
Field Personnel	E. Laity	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60314190	
Well ID #	MW-2	
	Upgradient	Downgradient
Weather Conditions	sunny	
Air Temperature	70	° F
Total Depth (TWD) Below Top of Casing =	16.4	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	6.7	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	9.7	1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	= 6.0 liter
3 Casing Volumes =	18	liter
Method of Well Evacuation	Peristaltic Pump	
Method of Sample Collection	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed	4	liter

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

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100			
Time (Military)	14:55	15:00	15:05	15:10	15:15			
Depth to Groundwater Below Top of Casing (ft)	7.5	7.85	7.86	8.22	8.4			
Drawdown (ft)	-0.8	-0.35	-0.01	-0.36	-0.18			
pH (S.U.)	6.55	6.59	6.61	6.63	6.65			
Sp. Cond. (mS/cm)	1.243	1.239	1.248	1.242	1.243			
Turbidity (NTUs)	11.18	6.75	4.34	5.06	1.29			
Dissolved Oxygen (mg/L)	2.7	0.44	0.56	0.51	0.29			
Water Temperature (°C)	15.91	16.82	16.63	16.66	16.8			
ORP (mV)	-84.5	-79.9	-79	-79.2				

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

Physical appearance at sampling	Color	clear
	Odor	no

Sheen/Free Product	no

Sheen/Free Product	no

COMMENTS/OBSERVATIONS	Sample at 15:20hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	7/17/2014	
Field Personnel	E. Laity	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60314190	
Well ID #	MW-3	
	Upgradient	Downgradient
Weather Conditions	partly cloudy	
Air Temperature	65	° F
Total Depth (TWD) Below Top of Casing =	28	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	10.37	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	17.63	1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	= 10.9 liter
3 Casing Volumes =	33	liter
Method of Well Evacuation	Peristaltic Pump	
Method of Sample Collection	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed	5	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)	7.5 - 27.5	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)	125	125	125	125	125	125		
	8:25	8:30	8:35	8:40	8:45	8:50		
	11.3	12.05	12.75	13.02	13.18	13.35		
	-0.93	-0.75	-0.7	-0.27	-0.16	-0.17		
	6.86	6.96	7.02	7.03	7.04	7.05		
	1.150	1.151	1.148	1.146	1.144	1.141		
	9.08	3.25	3.52	3.9	4.15	3.81		
	0.99	0.48	0.42	0.29	0.32	0.49		
	11.89	11.88	11.90	12.07	12.05	12.12		
	34	23	12.2	10.7	3.2	-0.3		

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

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

COMMENTS/OBSERVATIONS	<u>Sample at 8:55hrs.</u>

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 7/17/2014

Field Personnel E. Laity

Site Name Former Scott Aviation Site - Lancaster, NY

Job # 60314190

Well ID # MW-6

 Upgradient Downgradient

Weather Conditions sunny

Air Temperature 70 ° F

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

Depth to Groundwater (DGW) Below Top of Casing = 9.65 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 15.35 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 9.5 liter

3 Casing Volumes = 28 liter

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 6 liter

Casing Diameter 2 inches

Casing Material PVC

Measuring Point Elevation 686.53 1/100 ft

Height of Riser (above land surface) -0.27 1/100 ft

Land Surface Elevation 686.8 1/100 ft

Screened Interval (below land surface) 14.5 - 24.5 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	150	150	150	150	150		
Time (Military)	9:40	9:45	9:50	9:55	10:00	10:05	
Depth to Groundwater Below Top of Casing (ft)	10.35	11.1	11.40	11.75	11.88	12.05	
Drawdown (ft)	-0.7	-0.75	-0.3	-0.35	-0.13	-0.17	
pH (S.U.)	7.57	7.45	7.45	7.46	7.46	7.47	
Sp. Cond. (mS/cm)	1.076	1.073	1.07	1.071	1.071	1.07	
Turbidity (NTUs)	17.53	42.7	40.6	40.7	36.5	33	
Dissolved Oxygen (mg/L)	2.59	0.39	0.26	0.20	0.21	0.20	
Water Temperature (°C)	14.45	13.87	13.84	13.96	13.92	13.82	
ORP (mV)	86.2	-85.6	-86.6	-88.9	-88.9	-89.3	

Physical appearance at start Color clear with black flecks

Odor no

Physical appearance at sampling Color clear with black flecks

Odor no

Sheen/Free Product no

Sheen/Free Product no

COMMENTS/OBSERVATIONS Sample at 10:10hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	7/17/2014	
Field Personnel	E. Laity	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60314190	
Well ID #	MW-8R	
	Upgradient	Downgradient
Weather Conditions	sunny	
Air Temperature	70	° F
Total Depth (TWD) Below Top of Casing =	27.5	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	11	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	16.5	1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	= 10.2 liter
3 Casing Volumes =	31	liter
Method of Well Evacuation	Peristaltic Pump	
Method of Sample Collection	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed	8	liter

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

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)	200	200	125	125	125	125	125	125
Time (Military)	12:45	12:50	12:55	13:00	13:05	13:10	13:15	13:20
Depth to Groundwater Below Top of Casing (ft)	12.00	12.95	13.35	13.65	13.95	14.1	14.45	14.58
Drawdown (ft)	-1.00	-0.95	-0.4	-0.3	-0.3	-0.15	-0.35	-0.13
pH (S.U.)	7.19	7.03	7.05	7.07	7.05	7.04	6.95	6.95
Sp. Cond. (S/cm)	1.798	1.686	1.681	1.700	1.768	1.849	2.794	2.975
Turbidity (NTUs)	11.3	7.62	7.4	6.50	4.16	5.22	4.36	1.02
Dissolved Oxygen (g/L)	4.81	0.33	0.77	0.81	0.81	1.08	0.30	0.16
Water Temperature (°C)	16.88	14.38	15.36	15.84	15.57	16.15	14.06	14.18
ORP (mV)	-36.5	-26.2	-16.6	-20.2	-43	-55.5	-102	-104.3

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

Physical appearance at sampling	Color	clear
	Odor	no

Sheen/Free Product	no

COMMENTS/OBSERVATIONS	<u>Sample time @ 13.25hrs</u>

Date (mo/day/yr)7/17/2014

Field PersonnelE. Laity

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60314190

Well ID #MW-8R

Upgradient

Downgradient

Weather Conditionsunny

Air Temperature70 ° F

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

Depth to Groundwater (DGW) Below Top of Casing = 11 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 16.5 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 10.2 liter

3 Casing Volumes = 31 liter

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed 8 liter

Casing Diameter4 inches

Casing MaterialPVC

Measuring Point Elevation685.67 1/100 ft

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

Land Surface Elevation 1/100 ft

Screened Interval (below land surface) 14 - 24 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	125						
Time (Military)	13:25						
Depth to Groundwater Below Top of Casing (ft)	14.75						
Drawdown (ft)	0.17						
pH (S.U.)	6.95						
Sp. Cond. (S/cm)	2.800						
Turbidity (NTUs)	0.90						
Dissolved Oxygen (g/L)	0.11						
Water Temperature (°C)	14.36						
ORP (mV)	-106						

Physical appearance at start

Colorclear

Odorno

Sheen/Free Productno

Physical appearance at sampling

Colorclear

Odorno

Sheen/Free Productno

COMMENTS/OBSERVATIONS

Sample time @ 13:25hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	7/17/2014	
Field Personnel	E. Laity	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60314190	
Well ID #	MW-10	
	Upgradient	Downgradient
Weather Conditions	sunny	
Air Temperature	70	° F
Total Depth (TWD) Below Top of Casing =	24	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	8.75	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	15.25	1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	= 9.4 liter
3 Casing Volumes =	28	liter
Method of Well Evacuation	Peristaltic Pump	
Method of Sample Collection	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed	6	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)	150	150	150	150	150	150	150	
Time (Military)	10:25	10:30	10:35	10:40	10:45	10:50	10:55	
Depth to Groundwater Below Top of Casing (ft)	9.3	9.62	9.95	10.20	10.35	10.50	10.65	
Drawdown (ft)	-0.55	-0.32	-0.33	-0.25	-0.15	-0.15	-0.15	
pH (S.U.)	7.08	6.83	6.80	6.81	6.81	6.80	6.78	
Sp. Cond. (mS/cm)	1.125	2.045	2.040	1.998	1.967	1.937	1.949	
Turbidity (NTUs)	101.4	91	64	48.8	42.7	37.5	32.9	
Dissolved Oxygen (mg/L)	3.05	0.46	0.26	0.28	0.55	0.4	0.28	
Water Temperature (°C)	15.3	14.74	14.66	14.91	15.09	14.72	15.11	
ORP (mV)	73.6	74.5	72.3	71.8	71	65.4	62.7	

Physical appearance at start	Color	<u>cloudy orange</u>
	Odor	no

Physical appearance at sampling	Color	clear
	Odor	no

Sheen/Free Product	no

Sheen/Free Product	no

COMMENTS/OBSERVATIONS	<u>Sample at 11:00hrs.</u>

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	7/16/2014	
Field Personnel	E. Laity	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60314190	
Well ID #	MW-11	
	Upgradient	Downgradient
Weather Conditions	sunny	
Air Temperature	70	
Total Depth (TWD) Below Top of Casing =	28.5	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	12.70	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	15.8	1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	= 9.7 liter
3 Casing Volumes =	29	liter
Method of Well Evacuation	Peristaltic Pump	
Method of Sample Collection	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed	7	liter

Casing Diameter	2	inches
Casing Material	PVC	
Measuring Point Elevation	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)	200	200	200	200	200	200		
Time (Military)	15:55	16:00	16:05	16:10	16:15	16:20		
Depth to Groundwater Below Top of Casing (ft)	13.00	13.20	13.45	13.60	13.71	13.80		
Drawdown (ft)	-0.3	-0.2	-0.25	-0.15	-0.11	-0.09		
pH (S.U.)	6.65	6.60	6.60	6.60	6.60	6.60		
Sp. Cond. (mS/cm)	4.882	4.889	4.877	4.855	4.842	4.843		
Turbidity (NTUs)	6.71	3.2	2	1.2	0.68	0.93		
Dissolved Oxygen (mg/L)	1.04	0.22	0.3	0.3	0.19	0.17		
Water Temperature (°C)	14.62	14.22	14.09	14.05	14.29	14.37		
ORP (mV)	8.7	-7.1	-8.7	-12	-13.9	-15.3		

Physical appearance at start	Color	clear
	Odor	no

Physical appearance at sampling	Color	clear
	Odor	no

Sheen/Free Product	no

Sheen/Free Product	no

COMMENTS/OBSERVATIONS	Sample at 16:25hrs.

Date (mo/day/yr)7/17/2014

Field PersonnelE. Laity

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60314190

Well ID #MW-12

Upgradient

Downgradient

Weather Conditionsunny

Air Temperature70 ° F

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

Depth to Groundwater (DGW) Below Top of Casing = 6.4 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 21.1 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 13.0 liter

3 Casing Volumes = 39 liter

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Teflon Tubing

Total Volume of Water Removed 4 liter

Casing Diameter2 inches

Casing MaterialPVC

Measuring Point Elevation685.79 1/100 ft

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

Land Surface Elevation 1/100 ft

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

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

FIELD ANALYSES

Flow Rate (ml/min)	150	150	100	100	100			
TIME (Military)	11:15	11:20	11:25	11:30	11:35			
Depth to Groundwater Below Top of Casing (ft)	7.30	8.30	8.40	8.60	8.76			
Drawdown (ft)	-0.9	-1	-0.1	-0.2	-0.16			
pH (S.U.)	6.81	6.75	6.76	6.76	6.76			
Sp. Cond. (mS/cm)	1.656	1.621	1.62	1.623	1.622			
Turbidity (NTUs)	6.97	5.63	2.55	2.28	1.84			
Dissolved Oxygen (mg/L)	3.51	0.29	0.21	0.2	0.19			
Water Temperature (°C)	14.55	14.21	14.55	14.74	14.63			
ORP (mV)	-89.5	-90.5	-91.1	-87.7	-92.7			

Physical appearance at start

Colorclear

Odor

Sheen/Free Productno

Physical appearance at sampling

Colorclear

Odor

Sheen/Free Productno

COMMENTS/OBSERVATIONS

Sample time @ 11:40hrs.

71149\Admin\Project Management\Cop y of Appendix A - 3Q14 field forms



APPENDIX B

Summary of Groundwater Elevations

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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	7.29	683.06
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	5.92	684.43
4/14/2005	6.50	683.85
7/20/2005	7.77	682.58
10/4/2005	6.08	684.27
1/5/2006	9.56	680.79
4/11/2006	6.65	683.70
7/10/2006	7.79	682.56
10/18/2006	6.11	684.24
1/9/2007	6.27	684.08
2/28/2007	5.20	685.15
4/16/2007	5.99	684.36
7/2/2007	7.22	683.13
10/15/2007	8.15	682.20
1/8/2008	5.73	684.62
4/2/2008	5.95	684.40
7/1/2008	4.90	685.45
9/30/2008	7.40	682.95
1/19/2009	6.75	683.60
4/14/2009	6.15	684.20
7/21/2009	6.25	684.10
10/14/2009	5.85	684.50
1/18/2010	7.00	683.35
4/8/2010	5.45	684.90
7/12/2010	6.10	684.25
10/11/2010	7.00	683.35
1/11/2011	6.80	683.55
4/4/2011	5.70	684.65
7/25/2011	4.75	685.60
10/3/2011	4.13	686.22
1/12/2012	6.40	683.95
4/2/2012	6.00	684.35
7/5/2012	6.47	683.88
10/11/2012	7.17	683.18
1/21/2013	6.72	683.63
4/1/2013	6.10	684.25
7/1/2013	6.84	683.51
10/9/2013	6.70	683.65
1/21/2014	6.00	684.35
4/7/2014	4.95	685.40
7/16/2014	6.72	683.63

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

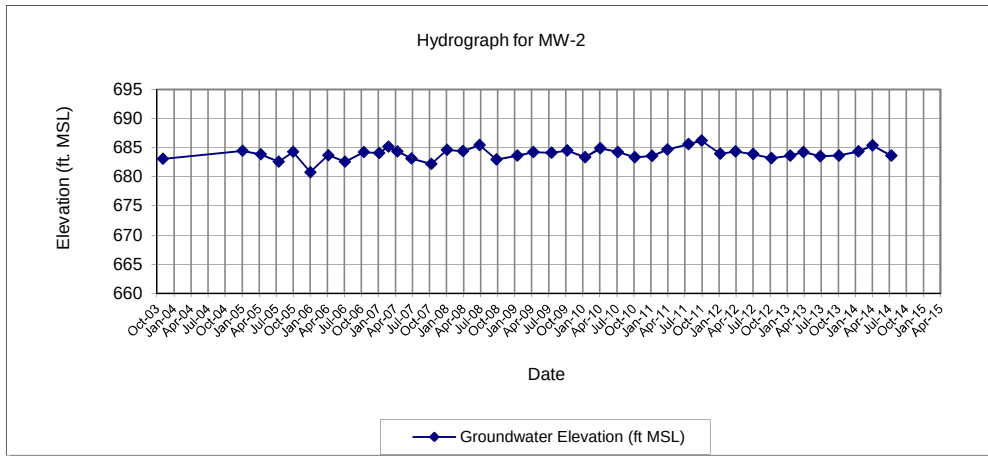
TOC Elevation - 690.35

DPE and GWCT down on 2/28/07

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

TOC Elevation as of 6/13/08 - 690.35

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



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	12.76	674.96
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	11.65	676.07
4/14/2005	12.64	675.08
7/20/2005	12.73	674.99
10/4/2005	7.38	680.34
1/5/2006	11.31	676.41
4/11/2006	11.84	675.88
7/10/2006	12.31	675.41
10/18/2006	10.82	676.9
1/9/2007	10.99	676.73
2/28/2007	3.99	683.73
4/16/2007	11.87	675.85
7/2/2007	13.35	674.37
10/17/2007	13.1	674.62
1/8/2008	7.61	680.11
4/2/2008	11.71	676.01
7/1/2008	10.75	676.27
9/30/2008	11.95	675.07
1/19/2009	10.94	676.08
4/14/2009	10.94	676.08
7/21/2009	11.51	675.51
10/14/2009	10.75	676.27
1/18/2010	12.38	674.64
4/8/2010	11.02	676.00
7/12/2010	9.18	677.84
10/11/2010	10.9	676.12
1/12/2011	11.3	675.72
4/4/2011	10.7	676.32
7/25/2011	4.38	682.64
10/3/2011	3.14	683.88
1/12/2012	10.65	676.37
4/2/2012	9.81	677.21
7/5/2012	8.56	678.46
10/11/2012	9.77	677.25
1/21/2013	11.15	675.87
4/1/2013	8.56	678.46
7/1/2013	11.85	675.17
10/9/2013	10.43	676.59
1/21/2014	10.45	676.57
4/7/2014	11.77	675.25
7/16/2014	10.29	676.73

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

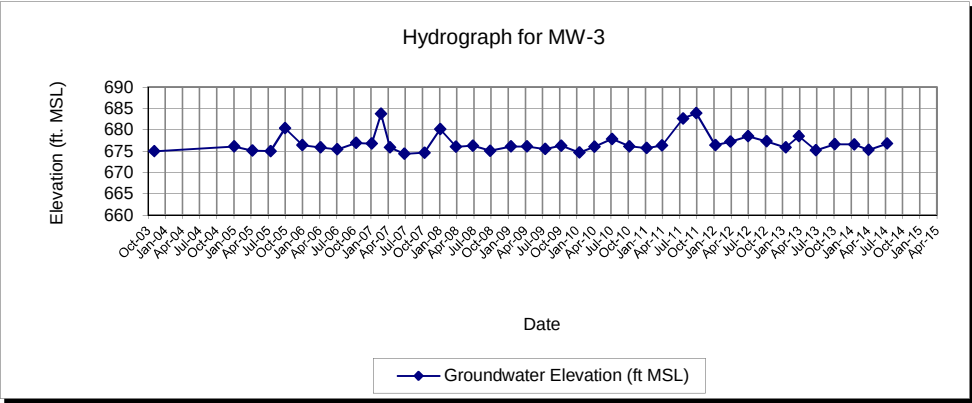
TOC Elevation - 687.72

DPE and GWCT down on 2/28/07

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

TOC Elevation as of 6/13/08 - 687.02

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



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

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.64

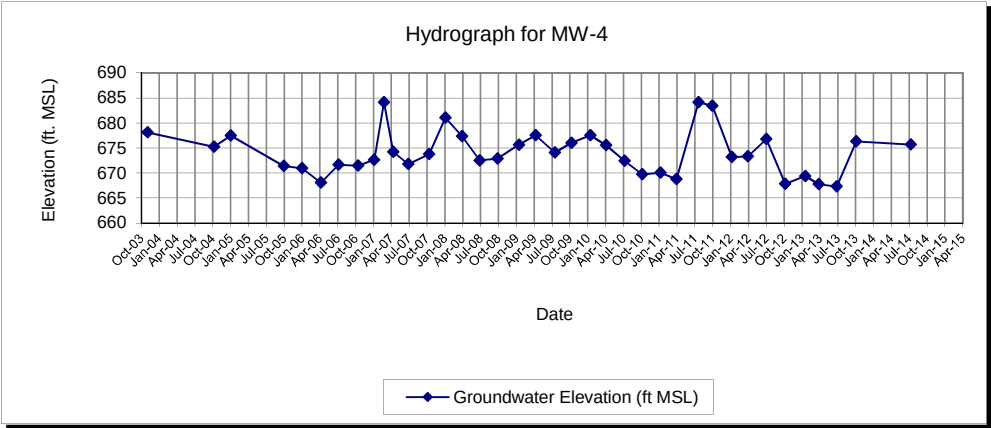
DPE and GWCT down on 2/28/07

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

TOC Elevation as of 6/13/08 - 686.42

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

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



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	11.06	675.62
4/8/2004	NM	NA
10/12/2004	9.95	676.73
1/6/2005	13.00	673.68
4/14/2005	11.57	675.11
7/20/2005	12.88	673.80
10/4/2005	8.55	678.13
1/5/2006	12.11	674.57
4/11/2006	11.91	674.77
7/10/2006	12.5	674.18
10/18/2006	11.02	675.66
1/9/2007	11.1	675.58
2/28/2007	4.35	682.33
4/16/2007	11.81	674.87
7/2/2007	12.85	673.83
10/17/2007	13.09	673.59
1/8/2008	7.02	679.66
4/2/2008	11.00	675.68
7/1/2008	10.98	675.55
9/30/2008	11.39	675.14
1/19/2009	9.68	676.85
4/14/2009	10.02	676.51
7/21/2009	11.50	675.03
10/14/2009	10.35	676.18
1/18/2010	11.20	675.33
4/8/2010	10.05	676.48
7/12/2010	9.25	677.28
10/11/2010	9.91	676.62
1/12/2011	10.56	675.97
4/4/2011	10.27	676.26
7/25/2011	4.17	682.36
10/3/2011	3.45	683.08
1/12/2012	9.86	676.67
4/2/2012	9.39	677.14
7/5/2012	7.64	678.89
10/11/2012	10.80	675.73
1/21/2013	10.12	676.41
4/1/2013	8.41	678.12
7/1/2013	11.18	675.35
10/9/2013	9.32	677.21
1/21/2014	9.95	676.58
4/7/2014	10.75	675.78
7/16/2014	9.61	676.92

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

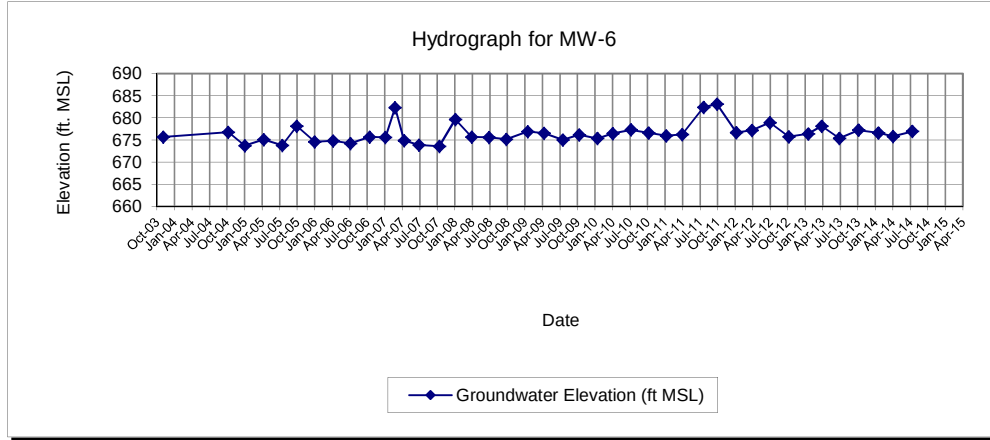
TOC Elevation - 686.68

DPE and GWCT down on 2/28/07

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

TOC Elevation as of 6/13/08 - 686.53

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



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	12.75	672.92
1/6/2005	7.45	678.22
4/14/2005	14.45	671.22
7/20/2005	NM	NA
10/4/2005	NM	NA
1/6/2006	15.51	670.16
4/11/2006	15.65	670.02
7/10/2006	14.9	670.77
10/18/2006	15.72	669.95
1/9/2007	15.76	669.91
2/28/2007	10.78	674.89
4/16/2007	15.60	670.07
7/2/2007	16.29	669.38
10/15/2007	18.50	667.17
1/8/2008	4.99	680.68
4/2/2008	13.19	672.48
7/1/2008	12.15	674.06
9/30/2008	15.83	670.38
1/19/2009	11.55	674.66
4/14/2009	11.20	675.01
7/21/2009	13.57	672.64
10/14/2009	12.76	673.45
1/18/2010	11.26	674.95
4/8/2010	14.95	671.26
7/12/2010	13.74	672.47
10/11/2010	12.34	673.87
1/12/2011	13.10	673.11
4/4/2011	14.88	671.33
7/25/2011	3.25	682.96
10/3/2011	4.50	681.71
1/12/2012	12.96	673.25
4/2/2012	11.70	674.51
7/5/2012	10.34	675.87
10/11/2012	13.38	672.83
1/21/2013	14.90	671.31
4/1/2013	10.82	675.39
7/1/2013	12.70	673.51
10/9/2013	9.25	676.96
1/21/2014	NM*	NA
4/7/2014	14.55	671.66
7/16/2014	8.97	677.24

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.67

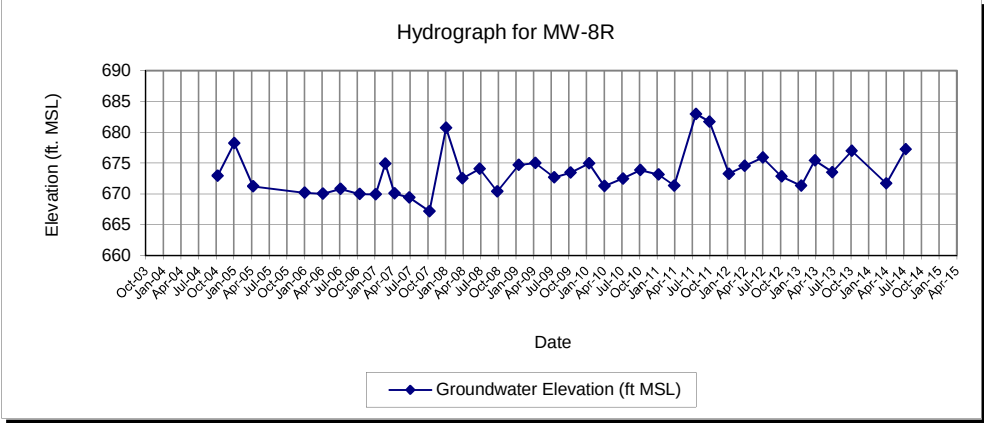
DPE and GWCT down on 2/28/07

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

TOC Elevation as of 6/13/08 - 686.21

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

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



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	13.03	672.4
4/8/2004	NM	NA
10/12/2004	13.68	671.75
1/6/2005	12.89	672.54
4/14/2005	12.74	672.69
7/20/2005	13.88	671.55
10/4/2005	7.22	678.21
1/5/2006	12.79	672.64
4/11/2006	13.50	671.93
7/10/2006	13.24	672.19
10/18/2006	11.00	674.43
1/9/2007	12.24	673.19
2/28/2007	1.66	683.77
4/16/2007	13.15	672.28
7/2/2007	13.00	672.43
10/17/2007	13.95	671.48
1/8/2008	6.70	678.73
4/2/2008	10.61	674.82
7/1/2008	14.25	674.39
9/30/2008	15.67	672.97
1/19/2009	14.48	674.16
4/14/2009	15.48	673.16
7/21/2009	15.20	673.44
10/10/2009	15.06	673.58
1/18/2010	17.00	671.64
4/8/2010	15.40	673.24
7/12/2010	12.42	676.22
10/11/2010	14.21	674.43
1/12/2011	15.29	673.35
4/4/2011	14.55	674.09
7/25/2011	5.75	682.89
10/3/2011	4.58	684.06
1/12/2012	14.75	673.89
4/2/2012	14.52	674.12
7/5/2012	11.48	677.16
10/11/2012	12.66	675.98
1/21/2013	14.44	674.20
4/1/2013	11.87	676.77
7/1/2013	16.54	672.10
10/9/2013	13.68	674.96
1/21/2014	15.38	673.26
4/7/2014	16.30	672.34
7/16/2014	13.71	674.93

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

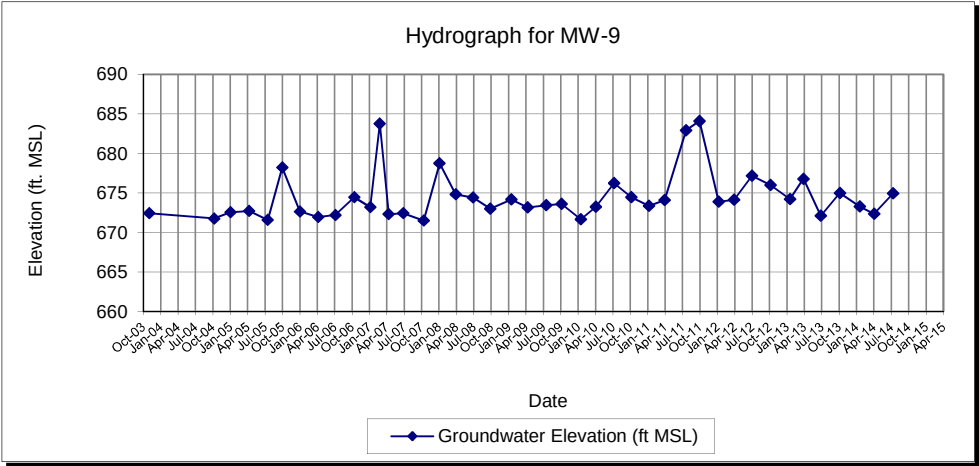
TOC Elevation - 685.43

DPE and GWCT down on 2/28/07

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

TOC Elevation as of 6/13/08 - 688.64

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



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	10.75	676.97
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	10.28	677.44
4/14/2005	11.50	676.22
7/20/2005	12.43	675.29
10/4/2005	9.58	678.14
1/5/2006	11.28	676.44
4/11/2006	10.91	676.81
7/10/2006	10.90	676.82
10/18/2006	10.13	677.59
1/9/2007	10.21	677.51
2/28/2007	4.30	683.42
4/16/2007	10.93	676.79
7/2/2007	12.21	675.51
10/17/2007	13.15	674.57
1/8/2008	7.03	680.69
4/2/2008	9.91	677.81
7/1/2008	10.04	677.37
9/30/2008	11.05	676.36
1/19/2009	9.74	677.67
4/14/2009	9.14	678.27
7/21/2009	10.56	676.85
10/14/2009	9.37	678.04
1/18/2010	10.59	676.82
4/8/2010	9.35	678.06
7/12/2010	9.12	678.29
10/11/2010	10.20	677.21
1/12/2011	10.00	677.41
4/4/2011	9.61	677.80
7/25/2011	4.45	682.96
10/3/2011	4.25	683.16
1/12/2012	9.82	677.59
4/2/2012	8.51	678.90
7/5/2012	7.55	679.86
10/11/2012	10.65	676.76
1/21/2013	9.59	677.82
4/1/2013	8.30	679.11
7/1/2013	9.77	677.64
10/9/2013	8.65	678.76
1/21/2014	8.73	678.68
4/7/2014	9.25	678.16
7/16/2014	8.65	678.76

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

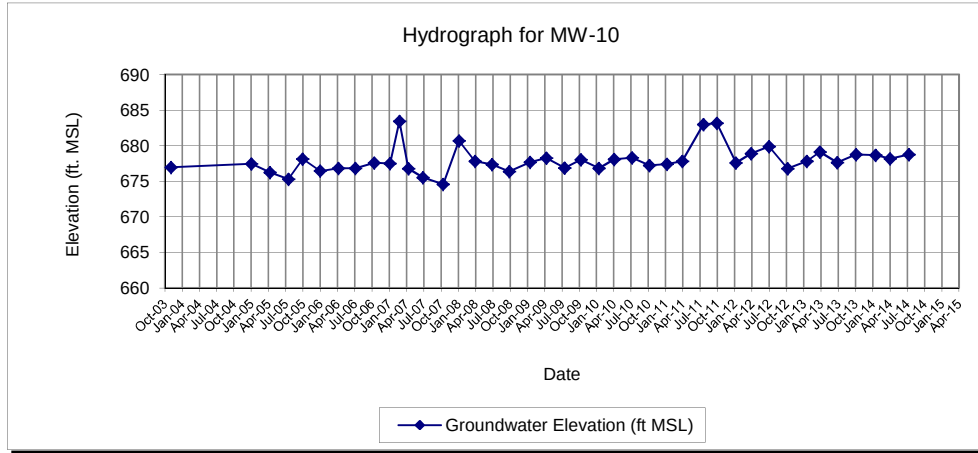
TOC Elevation - 687.72

DPE and GWCT down on 2/28/07

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

TOC Elevation as of 6/13/08 - 687.41

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



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	15.59	673.02
4/14/2005	11.59	677.02
7/20/2005	17.34	671.27
10/4/2005	10.45	678.16
1/5/2006	16.58	672.03
4/11/2006	13.52	675.09
7/10/2006	13.75	674.86
10/18/2006	14.35	674.26
1/9/2007	15.26	673.35
2/28/2007	6.34	682.27
4/16/2007	11.55	677.06
7/2/2007	17.30	671.31
10/16/2007	17.69	670.92
1/8/2008	11.73	676.88
4/2/2008	14.78	673.83
7/1/2008	13.91	674.74
9/30/2008	15.25	673.40
1/19/2009	13.45	675.20
4/14/2009	13.50	675.15
7/21/2009	14.51	674.14
10/14/2009	13.85	674.80
1/18/2010	16.38	672.27
4/8/2010	13.90	674.75
7/12/2010	12.60	676.05
10/11/2010	14.80	673.85
1/12/2011	NA	
4/4/2011	14.52	674.13
7/25/2011	4.48	684.17
10/3/2011	4.05	684.60
1/12/2012	8.96	679.69
4/2/2012	12.87	675.78
7/5/2012	10.53	678.12
10/11/2012	14.40	674.25
1/21/2013	14.75	673.90
4/1/2013	11.66	676.99
7/1/2013	14.99	673.66
10/9/2013	12.25	676.40
1/21/2014	13.75	674.90
4/7/2014	14.56	674.09
7/16/2014	12.64	676.01

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

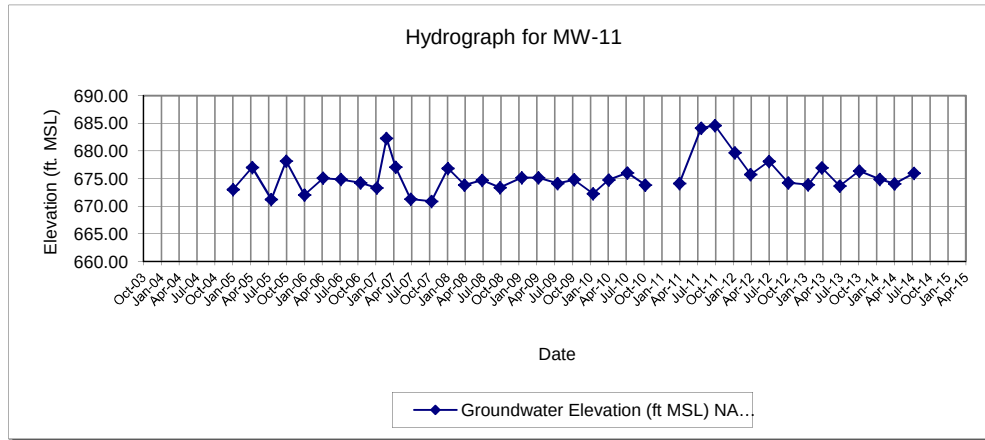
TOC Elevation - 688.61

DPE and GWCT down on 2/28/07

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

TOC Elevation as of 6/13/08 - 688.65

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



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	
10/12/2004	10.64	675.15
1/6/2005	6.18	679.61
4/14/2005	6.80	678.99
7/20/2005	11.95	673.84
10/4/2005	7.36	678.43
1/5/2006	6.80	678.99
4/11/2006	6.76	679.03
7/10/2006	11.35	674.44
10/18/2006	NM*	NA
1/9/2007	6.35	679.44
2/28/2007	NM*	NA
4/16/2007	7.38	678.41
7/2/2007	11.42	674.37
10/15/2007	12.00	673.79
1/8/2008	4.31	681.48
4/2/2008	5.86	679.93
7/1/2008	7.10	679.04
9/30/2008	10.92	675.22
1/19/2009	NM*	NA
4/14/2009	7.14	679
7/21/2009	9.66	676.48
10/14/2009	8.83	677.31
1/18/2010	7.40	678.74
4/8/2010	7.10	679.04
7/12/2010	8.48	677.66
10/11/2010	8.64	677.51
1/12/2011	6.32	679.83
4/4/2011	5.69	680.46
7/25/2011	3.5	682.65
10/3/2011	2.67	683.48
1/12/2012	5.41	680.74
4/2/2012	5.30	680.85
7/5/2012	7.20	678.95
10/11/2012	6.75	679.40
1/21/2013	5.51	680.64
4/1/2013	5.07	681.08
7/1/2013	7.88	678.27
10/9/2013	5.20	680.95
1/21/2014	NM*	NA
4/7/2014	5.76	680.39
7/16/2014	6.60	679.55

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.79

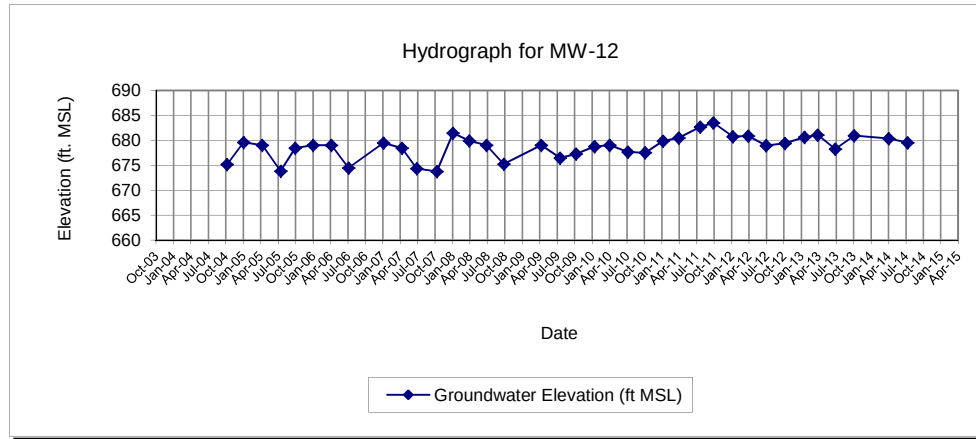
NM* - Well could not be accessed due to snow cover

DPE and GWCT down on 2/28/07

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

TOC Elevation as of 6/13/08 - 686.15

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



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	7.01	679.56
10/12/2004	13.47	673.10
1/6/2005	7.24	679.33
4/14/2005	13.91	672.66
7/20/2005	12.81	673.76
10/4/2005	13.35	673.22
1/5/2006	13.79	672.78
4/11/2006	12.45	674.12
7/10/2006	13.02	673.55
10/18/2006	10.99	675.58
1/9/2007	11.35	675.22
2/28/2007	3.49	683.08
4/16/2007	12.01	674.56
7/2/2007	13.20	673.37
10/18/2007	12.77	673.80
1/8/2008	5.08	681.49
4/2/2008	5.45	681.12
7/1/2008	9.70	676.90
9/30/2008	11.80	674.80
1/19/2009	8.70	677.90
4/14/2009	8.64	677.96
7/21/2009	10.91	675.69
10/14/2009	9.18	677.42
1/18/2010	9.80	676.80
4/8/2010	8.30	678.30
7/12/2010	9.96	676.64
10/11/2010	10.29	676.31
1/12/2011	7.53	679.07
4/4/2011	8.00	678.60
7/25/2011	2.55	684.05
10/3/2011	1.81	684.79
1/12/2012	8.11	678.49
4/2/2012	8.06	678.54
7/5/2012	8.71	677.89
10/11/2012	9.57	677.03
1/21/2013	13.85	672.75
4/1/2013	6.44	680.16
7/1/2013	6.44	680.16
10/9/2013	4.10	682.50
1/21/2014	4.95	681.65
4/7/2014	6.02	680.58
7/16/2014	5.42	681.18

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

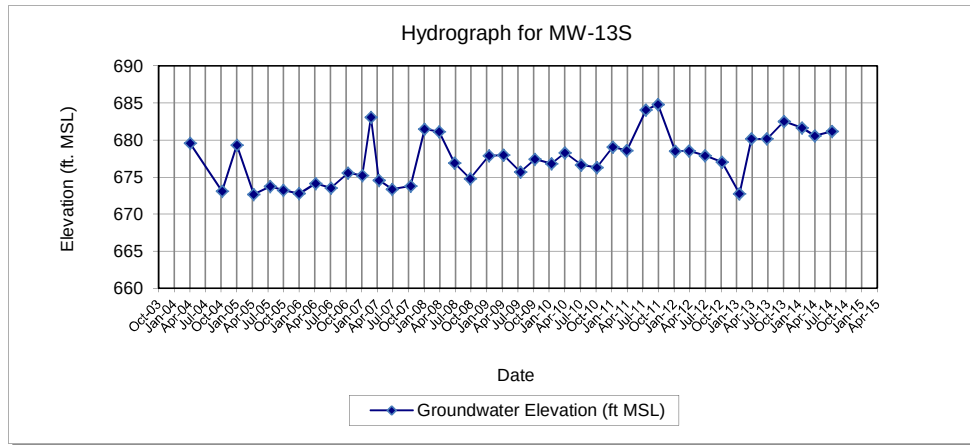
TOC Elevation - 686.57

DPE and GWCT down on 2/28/07

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

TOC Elevation as of 6/13/08 - 686.60

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



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	13.28	673.43
10/12/2004	14.87	671.84
1/6/2005	14.55	672.16
4/14/2005	15.32	671.39
7/20/2005	15.65	671.06
10/4/2005	9.44	677.27
1/5/2006	15.83	670.88
4/11/2006	15.41	671.30
7/10/2006	13.79	672.92
10/18/2006	13.17	673.54
1/9/2007	14.41	672.30
2/28/2007	3.28	683.43
4/16/2007	14.66	672.05
7/2/2007	15.68	671.03
10/18/2007	15.80	670.91
1/8/2008	8.69	678.02
4/2/2008	12.86	673.85
7/1/2008	12.55	674.18
9/30/2008	13.89	672.84
1/19/2009	12.10	674.63
4/14/2009	11.78	674.95
7/21/2009	12.86	673.87
10/14/2009	11.59	675.14
1/18/2010	13.88	672.85
4/8/2010	12.00	674.73
7/12/2010	11.90	674.83
10/11/2010	13.34	673.39
1/12/2011	13.2	673.53
4/4/2011	13.13	673.60
7/25/2011	3.33	683.40
10/3/2011	2.55	684.18
1/12/2012	12.34	674.39
4/2/2012	11.76	674.97
7/5/2012	9.25	677.48
10/11/2012	13.00	673.73
1/21/2013	13.85	672.88
4/1/2013	11.01	675.72
7/1/2013	14.26	672.47
10/9/2013	10.36	676.37
1/21/2014	11.45	675.28
4/7/2014	13.65	673.08
7/16/2014	10.74	675.99

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

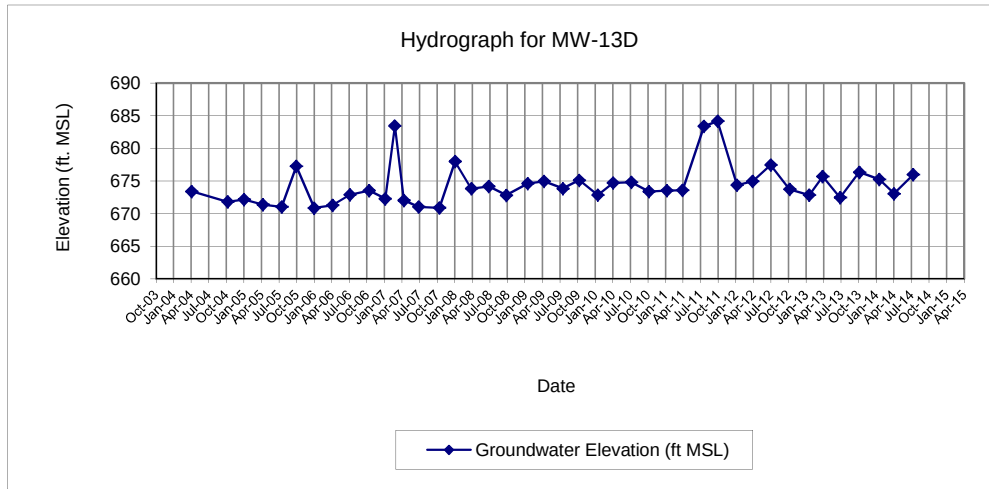
TOC Elevation - 686.71

DPE and GWCT down on 2/28/07

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

TOC Elevation as of 6/13/08 - 686.73

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



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	5.14	680.17
10/12/2004	8.57	676.74
1/6/2005	6.27	679.04
4/14/2005	5.16	680.15
7/20/2005	8.32	676.99
10/4/2005	6.14	679.17
1/5/2006	8.41	676.90
4/11/2006	7.75	677.56
7/10/2006	8.18	677.13
10/18/2006	9.00	676.31
1/9/2007	6.61	678.70
2/28/2007	1.50	683.81
4/16/2007	3.45	681.86
7/2/2007	8.36	676.95
10/15/2007	9.45	675.86
1/8/2008	4.65	680.66
4/2/2008	4.47	680.84
7/1/2008	6.37	679.33
9/30/2008	8.90	676.80
1/19/2009	6.15	679.55
4/14/2009	7.70	678.00
7/21/2009	7.25	678.45
10/14/2009	7.05	678.65
1/18/2010	NM	
4/8/2010	6.50	678.81
7/12/2010	6.54	678.77
10/11/2010	5.90	679.80
1/12/2011	6.83	678.87
4/4/2011	6.34	679.36
7/25/2011	2.59	683.11
10/3/2011	1.98	683.72
1/12/2012	5.10	680.60
4/2/2012	4.55	681.15
7/5/2012	7.15	678.55
10/11/2012	6.67	679.03
1/21/2013	5.15	680.55
4/1/2013	5.05	680.65
7/1/2013	6.81	678.89
10/9/2013	5.60	680.10
1/21/2014	5.68	680.02
4/7/2014	6.03	679.67
7/16/2014	5.49	680.21

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

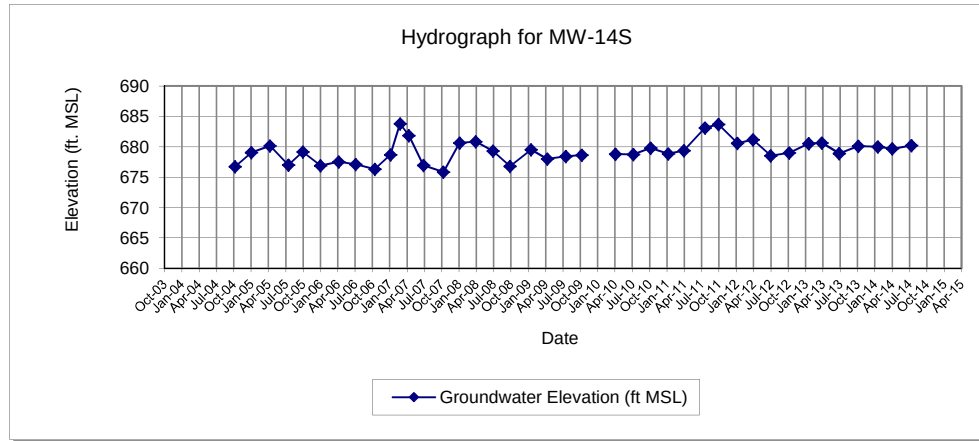
TOC Elevation - 685.31

DPE and GWCT down on 2/28/07

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

TOC Elevation as of 6/13/08 - 685.70

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



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

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

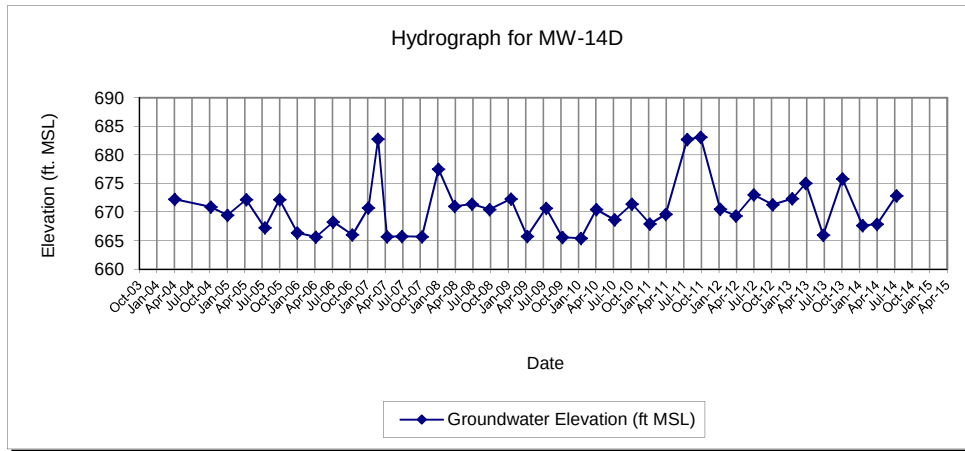
TOC Elevation - 685.43

DPE and GWCT down on 2/28/07

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

TOC Elevation as of 6/13/08 - 685.82

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



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

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

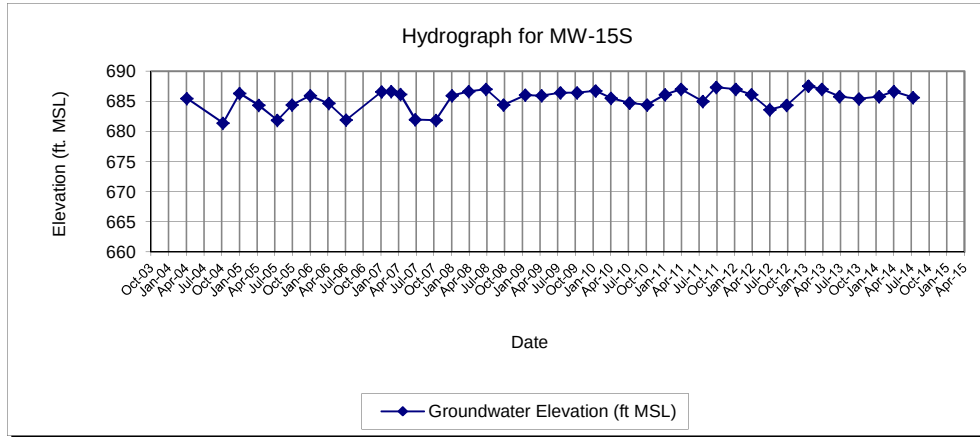
TOC Elevation - 686.64'

DPE and GWCT down on 2/28/07

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

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

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



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	15.70	671.61
10/12/2004	17.42	669.89
1/6/2005	15.74	671.57
4/14/2005	16.99	670.32
7/20/2005	17.31	670.00
10/4/2005	8.94	678.37
1/5/2006	16.16	671.15
4/11/2006	16.90	670.41
7/10/2006	15.78	671.53
10/18/2006	15.50	671.81
1/9/2007	15.80	671.51
2/28/2007	4.10	683.21
4/16/2007	16.61	670.70
7/2/2007	17.20	670.11
10/16/2007	16.70	670.61
1/8/2008	8.99	678.32
4/2/2008	15.01	672.30
7/1/2008	14.64	672.98
9/30/2008	16.24	671.38
1/19/2009	15.00	672.62
4/14/2009	14.21	673.41
7/21/2009	14.61	673.01
10/14/2009	14.81	672.81
1/18/2010	16.89	670.73
4/8/2010	15.00	672.62
7/12/2010	13.00	674.62
10/11/2010	13.00	674.62
1/12/2011	15.65	671.97
4/4/2011	15.51	672.11
7/25/2011	3.73	683.89
10/3/2011	3.05	684.57
1/12/2012	15.50	672.12
4/2/2012	14.30	673.32
7/5/2012	9.81	677.81
10/11/2012	13.70	673.92
1/21/2013	15.90	671.72
4/1/2013	11.08	676.54
7/1/2013	16.04	671.58
10/9/2013	13.95	673.67
1/21/2014	15.05	672.57
4/7/2014	15.84	671.78
7/16/2014	13.51	674.11

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

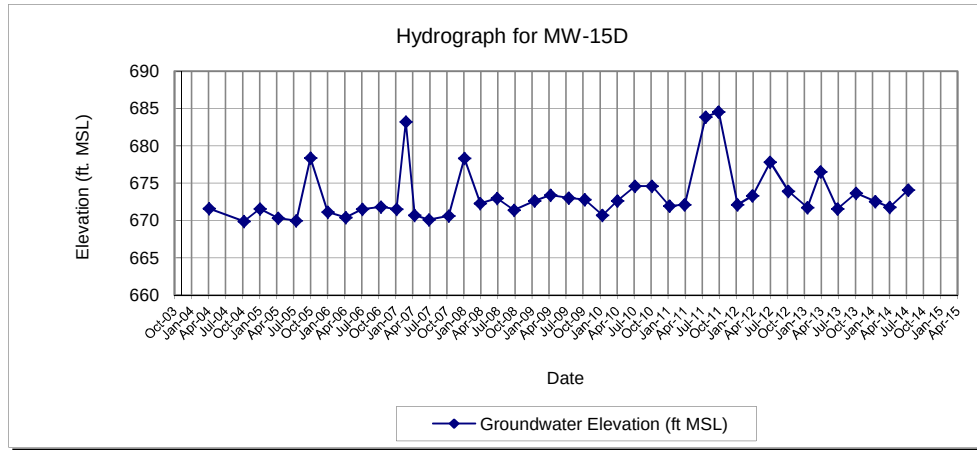
TOC Elevation - 687.31'

DPE and GWCT down on 2/28/07

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

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

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



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	5.09	680.75
10/12/2004	12.09	673.75
1/6/2005	4.75	681.09
4/14/2005	10.15	675.69
7/20/2005	14.56	671.28
10/4/2005	11.50	674.34
1/5/2006	11.41	674.43
4/11/2006	12.90	672.94
7/10/2006	11.54	674.30
10/18/2006	12.50	673.34
1/9/2007	13.82	672.02
2/28/2007	2.90	682.94
4/16/2007	13.07	672.77
7/2/2007	12.50	673.34
10/18/2007	15.23	670.61
1/8/2008	5.60	680.24
4/2/2008	12.40	673.44
7/1/2008	15.70	674.67
9/30/2008	19.34	671.03
1/19/2009	17.80	672.57
4/14/2009	18.22	672.15
7/21/2009	19.95	670.42
10/14/2009	17.77	672.60
1/18/2010	16.45	673.92
4/8/2010	18.60	671.77
7/12/2010	18.45	671.92
10/11/2010	13.51	676.86
1/12/2011	NA	
4/7/2011	8.55	677.29
7/25/2011	1.45	684.39
10/3/2011	0.60	685.24
1/12/2012	3.80	682.04
4/2/2012	5.85	679.99
7/5/2012	9.12	676.72
10/11/2012	6.36	679.48
1/21/2013	7.85	677.99
4/1/2013	10.15	675.69
7/1/2013	9.18	676.66
10/9/2013	3.80	682.04
1/21/2014	9.55	676.29
4/7/2014	9.60	676.24
7/16/2014	9.05	676.79

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.84'

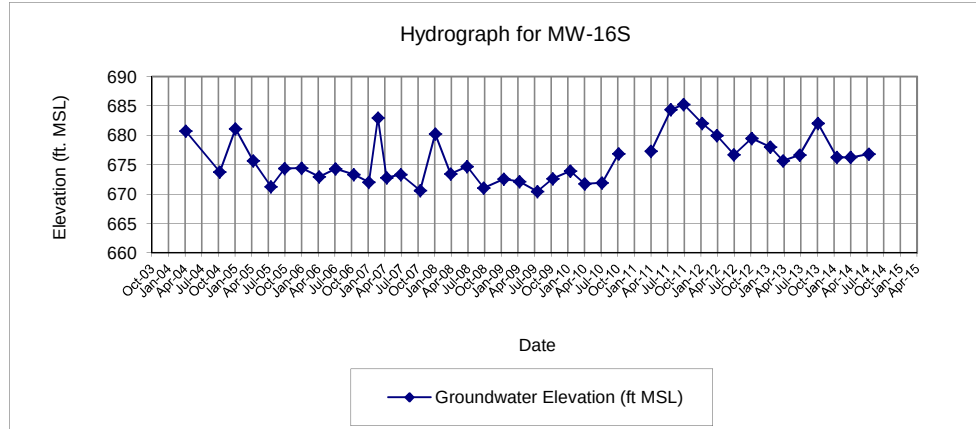
DPE and GWCT down on 2/28/07

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

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

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

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



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	13.62	672.39
10/12/2004	15.51	670.50
1/6/2005	13.70	672.31
4/14/2005	16.09	669.92
7/20/2005	16.65	669.36
10/4/2005	9.89	676.12
1/5/2006	17.21	668.80
4/11/2006	17.1	668.91
7/10/2006	10.61	675.4
10/18/2006	15.41	670.6
1/9/2007	15.6	670.41
2/28/2007	2.74	683.27
4/16/2007	16.35	669.66
7/2/2007	16.85	669.16
10/18/2007	17.17	668.84
1/8/2008	8.32	677.69
4/2/2008	13.44	672.57
7/1/2008	17.72	672.83
9/30/2008	19.29	671.26
1/19/2009	17.95	672.60
4/14/2009	17.21	673.34
7/21/2009	18.28	672.27
10/14/2009	17.60	672.95
1/18/2010	19.51	671.04
4/8/2010	17.19	673.36
7/12/2010	17.15	673.40
10/11/2010	18.63	671.92
1/12/2011	NA	NA
4/7/2011	13.67	672.34
7/25/2011	2.46	683.55
10/3/2011	1.70	684.31
1/12/2012	13.55	672.46
4/2/2012	12.61	673.40
7/5/2012	8.90	677.11
10/11/2012	13.38	672.63
1/21/2013	15.44	670.57
4/1/2013	12.31	673.70
7/1/2013	16.25	669.76
10/9/2013	11.40	674.61
1/21/2014	13.35	672.66
4/7/2014	15.54	670.47
7/16/2014	11.73	674.28

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.01'

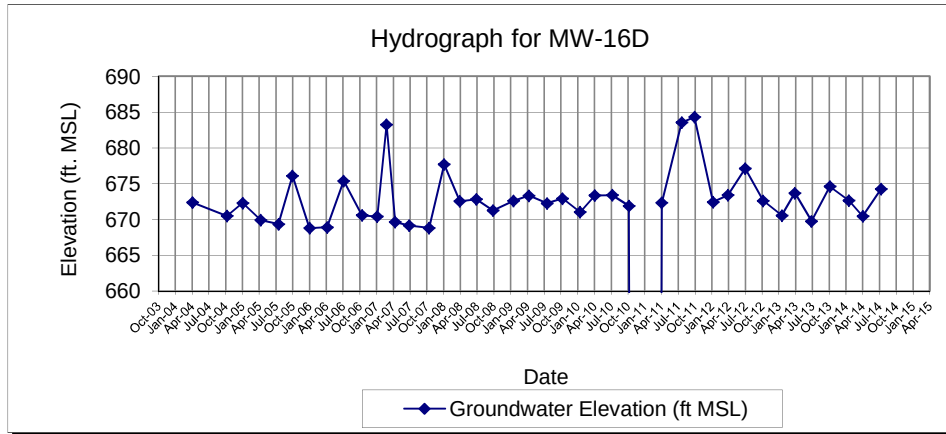
DPE and GWCT down on 2/28/07

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

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

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

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





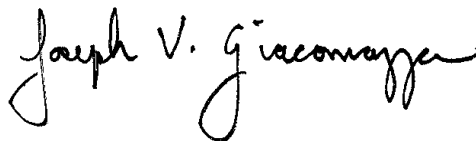
APPENDIX C

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

ANALYTICAL REPORT

Job Number: 480-63953-1
Job Description: Scott Aviation site
Sampling Event: Groundwater analysis

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



Approved for release.
Joe V Giacomazza
Project Management Assistant II
8/7/2014 10:58 AM

Designee for
Brian J Fischer, Manager of Project Management
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
brian.fischer@testamericainc.com
08/07/2014

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

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Job Narrative
480-63953-1

Receipt

The samples were received on 7/17/2014 4:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 194301 recovered above the upper control limit for Cyclohexane, 1,1-Dichloroethene, Trans-1,2-dichloroethene, and 1,1-Dichloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-194301/3).

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: Duplicate (480-63953-9), MW-13S (480-63953-8), MW-8R (480-63953-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 194540 recovered above the upper control limit for Cyclohexane, Vinyl chloride, Dichlorodifluoromethane, Chloromethane, 1,1-Dichloroethane, and 1,1-Dichloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-194540/3).

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: MW-8R (480-63953-4). Elevated reporting limits (RLs) are provided.

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

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Instrument ID: HP5973S Analysis Batch Number: 192443Lab Sample ID: IC 480-192443/5 Client Sample ID: _____Date Analyzed: 07/11/14 19:02 Lab File ID: S40111.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	2.30	Assign Peak	nguyendud ziakng	07/14/14 17:55
1,1-Dichloroethene	2.31	Split Peak	nguyendud ziakng	07/14/14 17:55
Cyclohexane	4.04	Peak Tail	nguyendud ziakng	07/14/14 18:02
trans-1,4-Dichloro-2-butene	7.94	Assign Peak	nguyendud ziakng	07/14/14 18:02

Lab Sample ID: IC 480-192443/6 Client Sample ID: _____Date Analyzed: 07/11/14 19:25 Lab File ID: S40112.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	2.49	Split Peak	nguyendud ziakng	07/14/14 18:03
Methylcyclohexane	4.88	Peak Tail	nguyendud ziakng	07/14/14 17:47
1,4-Dioxane	5.11	Peak Tail	nguyendud ziakng	07/14/14 17:50

Lab Sample ID: IC 480-192443/7 Client Sample ID: _____Date Analyzed: 07/11/14 19:47 Lab File ID: S40113.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylcyclohexane	4.88	Peak Tail	nguyendud ziakng	07/14/14 17:47
1,4-Dioxane	5.10	Peak Tail	nguyendud ziakng	07/14/14 17:50

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Instrument ID: HP5973S Analysis Batch Number: 192443Lab Sample ID: ICIS 480-192443/8 Client Sample ID: _____Date Analyzed: 07/11/14 20:10 Lab File ID: S40114.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylcyclohexane	4.88	Peak Tail	nguyendud ziakng	07/14/14 17:46
1,4-Dioxane	5.09	Peak Tail	nguyendud ziakng	07/14/14 17:49

Lab Sample ID: IC 480-192443/9 Client Sample ID: _____Date Analyzed: 07/11/14 20:32 Lab File ID: S40115.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trichloroethane	4.03	Peak Tail	nguyendud ziakng	07/14/14 18:11
Methylcyclohexane	4.88	Peak Tail	nguyendud ziakng	07/14/14 17:48
1,4-Dioxane	5.09	Peak Tail	nguyendud ziakng	07/14/14 17:51

Lab Sample ID: IC 480-192443/10 Client Sample ID: _____Date Analyzed: 07/11/14 20:55 Lab File ID: S40116.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylcyclohexane	4.89	Peak Tail	nguyendud ziakng	07/14/14 17:48
1,4-Dioxane	5.09	Peak Tail	nguyendud ziakng	07/14/14 17:51

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 480-63953-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-63953-1	MW-2	Ground Water	07/16/2014 1520	07/17/2014 1620
480-63953-2	MW-3	Ground Water	07/17/2014 0855	07/17/2014 1620
480-63953-3	MW-6	Ground Water	07/17/2014 1010	07/17/2014 1620
480-63953-4	MW-8R	Ground Water	07/17/2014 1325	07/17/2014 1620
480-63953-5	MW-10	Ground Water	07/17/2014 1100	07/17/2014 1620
480-63953-6	MW-11	Ground Water	07/16/2014 1625	07/17/2014 1620
480-63953-7	MW-12	Ground Water	07/17/2014 1140	07/17/2014 1620
480-63953-8	MW-13S	Ground Water	07/17/2014 1230	07/17/2014 1620
480-63953-9FD	Duplicate	Water	07/17/2014 0830	07/17/2014 1620
480-63953-10RB	Rinse Blank	Water	07/17/2014 1330	07/17/2014 1620

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-63953-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-63953-1	MW-2					
Chloroethane		0.94	J	1.0	ug/L	8260C
Cyclohexane		0.83	J	1.0	ug/L	8260C
480-63953-2	MW-3					
1,1-Dichloroethane		8.1		1.0	ug/L	8260C
Acetone		3.3	J	10	ug/L	8260C
Chloroethane		1.7		1.0	ug/L	8260C
cis-1,2-Dichloroethene		2.4		1.0	ug/L	8260C
Vinyl chloride		7.8		1.0	ug/L	8260C
480-63953-4	MW-8R					
1,1-Dichloroethane		410	J ^	1000	ug/L	8260C
cis-1,2-Dichloroethene		58000		1000	ug/L	8260C
Trichloroethene		110000		2000	ug/L	8260C
Vinyl chloride		2300		1000	ug/L	8260C
480-63953-6	MW-11					
1,1,1-Trichloroethane		1.4		1.0	ug/L	8260C
1,1-Dichloroethane		8.8		1.0	ug/L	8260C
1,1-Dichloroethene		0.56	J	1.0	ug/L	8260C
Chloroethane		4.5		1.0	ug/L	8260C
cis-1,2-Dichloroethene		36		1.0	ug/L	8260C
Vinyl chloride		14		1.0	ug/L	8260C
480-63953-7	MW-12					
Acetone		4.1	J	10	ug/L	8260C
Benzene		0.92	J	1.0	ug/L	8260C
Chloroethane		9.4		1.0	ug/L	8260C
Vinyl chloride		3.3		1.0	ug/L	8260C
480-63953-8	MW-13S					
cis-1,2-Dichloroethene		17000		500	ug/L	8260C
Trichloroethene		33000		500	ug/L	8260C
480-63953-9FD	DUPLICATE					
cis-1,2-Dichloroethene		17000		500	ug/L	8260C
Trichloroethene		32000		500	ug/L	8260C

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 480-63953-1

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

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

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

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 480-63953-1

Method	Analyst	Analyst ID
SW846 8260C	Man, Chi x	CxM

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-2

Lab Sample ID: 480-63953-1

Date Sampled: 07/16/2014 1520

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40288.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1623			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1623				

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	0.94	J	0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	0.83	J	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	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-2

Lab Sample ID: 480-63953-1

Date Sampled: 07/16/2014 1520

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40288.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1623			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1623				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		66 - 137
4-Bromofluorobenzene (Surr)	90		73 - 120
Toluene-d8 (Surr)	99		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-3

Lab Sample ID: 480-63953-2

Date Sampled: 07/17/2014 0855

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40289.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1645			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1645				

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	8.1		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	3.3	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	1.7		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	2.4		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	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-3

Lab Sample ID: 480-63953-2

Date Sampled: 07/17/2014 0855

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40289.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1645			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1645				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	7.8		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	101		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-6

Lab Sample ID: 480-63953-3

Date Sampled: 07/17/2014 1010

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40290.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1708			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1708				

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	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-6

Lab Sample ID: 480-63953-3

Date Sampled: 07/17/2014 1010

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40290.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1708			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1708				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-8R

Lab Sample ID: 480-63953-4

Date Sampled: 07/17/2014 1325

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40291.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1730			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1730				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		820	1000
1,1,2,2-Tetrachloroethane	ND		210	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		310	1000
1,1,2-Trichloroethane	ND		230	1000
1,1-Dichloroethane	410	J ^	380	1000
1,1-Dichloroethene	ND		290	1000
1,2,4-Trichlorobenzene	ND		410	1000
1,2-Dibromo-3-Chloropropane	ND		390	1000
1,2-Dibromoethane	ND		730	1000
1,2-Dichlorobenzene	ND		790	1000
1,2-Dichloroethane	ND		210	1000
1,2-Dichloropropane	ND		720	1000
1,3-Dichlorobenzene	ND		780	1000
1,4-Dichlorobenzene	ND		840	1000
2-Butanone (MEK)	ND		1300	10000
2-Hexanone	ND		1200	5000
4-Methyl-2-pentanone (MIBK)	ND		2100	5000
Acetone	ND		3000	10000
Benzene	ND		410	1000
Bromodichloromethane	ND		390	1000
Bromoform	ND		260	1000
Bromomethane	ND		690	1000
Carbon disulfide	ND		190	1000
Carbon tetrachloride	ND		270	1000
Chlorobenzene	ND		750	1000
Chloroethane	ND		320	1000
Chloroform	ND		340	1000
Chloromethane	ND		350	1000
cis-1,2-Dichloroethene	58000		810	1000
cis-1,3-Dichloropropene	ND		360	1000
Cyclohexane	ND		180	1000
Dibromochloromethane	ND		320	1000
Dichlorodifluoromethane	ND		680	1000
Ethylbenzene	ND		740	1000
Isopropylbenzene	ND		790	1000
Methyl acetate	ND		500	2500
Methyl tert-butyl ether	ND		160	1000
Methylcyclohexane	ND		160	1000
Methylene Chloride	ND		440	1000
Styrene	ND		730	1000
Tetrachloroethene	ND		360	1000
Toluene	ND		510	1000
trans-1,2-Dichloroethene	ND		900	1000
trans-1,3-Dichloropropene	ND		370	1000
Trichloroethene	110000	E	460	1000
Trichlorofluoromethane	ND		880	1000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-8R

Lab Sample ID: 480-63953-4

Date Sampled: 07/17/2014 1325

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40291.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1730			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1730				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2300		900	1000
Xylenes, Total	ND		660	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-8R

Lab Sample ID: 480-63953-4

Date Sampled: 07/17/2014 1325

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194540	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40311.D
Dilution:	2000			Initial Weight/Volume:	5 mL
Analysis Date:	07/24/2014 1422	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	07/24/2014 1422				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		1600	2000
1,1,2,2-Tetrachloroethane	ND		420	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		620	2000
1,1,2-Trichloroethane	ND		460	2000
1,1-Dichloroethane	ND		760	2000
1,1-Dichloroethene	ND		580	2000
1,2,4-Trichlorobenzene	ND		820	2000
1,2-Dibromo-3-Chloropropane	ND		780	2000
1,2-Dibromoethane	ND		1500	2000
1,2-Dichlorobenzene	ND		1600	2000
1,2-Dichloroethane	ND		420	2000
1,2-Dichloropropane	ND		1400	2000
1,3-Dichlorobenzene	ND		1600	2000
1,4-Dichlorobenzene	ND		1700	2000
2-Butanone (MEK)	ND		2600	20000
2-Hexanone	ND		2500	10000
4-Methyl-2-pentanone (MIBK)	ND		4200	10000
Acetone	ND		6000	20000
Benzene	ND		820	2000
Bromodichloromethane	ND		780	2000
Bromoform	ND		520	2000
Bromomethane	ND		1400	2000
Carbon disulfide	ND		380	2000
Carbon tetrachloride	ND		540	2000
Chlorobenzene	ND		1500	2000
Chloroethane	ND		640	2000
Chloroform	ND		680	2000
Chloromethane	ND		700	2000
cis-1,2-Dichloroethene	55000		1600	2000
cis-1,3-Dichloropropene	ND		720	2000
Cyclohexane	ND		360	2000
Dibromochloromethane	ND		640	2000
Dichlorodifluoromethane	ND		1400	2000
Ethylbenzene	ND		1500	2000
Isopropylbenzene	ND		1600	2000
Methyl acetate	ND		1000	5000
Methyl tert-butyl ether	ND		320	2000
Methylcyclohexane	ND		320	2000
Methylene Chloride	940	J	880	2000
Styrene	ND		1500	2000
Tetrachloroethene	ND		720	2000
Toluene	ND		1000	2000
trans-1,2-Dichloroethene	ND		1800	2000
trans-1,3-Dichloropropene	ND		740	2000
Trichloroethene	110000		920	2000
Trichlorofluoromethane	ND		1800	2000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-8R

Lab Sample ID: 480-63953-4

Date Sampled: 07/17/2014 1325

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194540	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40311.D
Dilution:	2000			Initial Weight/Volume:	5 mL
Analysis Date:	07/24/2014 1422	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	07/24/2014 1422				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2300	^	1800	2000
Xylenes, Total	ND		1300	4000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-10

Lab Sample ID: 480-63953-5

Date Sampled: 07/17/2014 1100

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40292.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1753			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1753				

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	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-10

Lab Sample ID: 480-63953-5

Date Sampled: 07/17/2014 1100

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40292.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1753			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1753				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-11

Lab Sample ID: 480-63953-6

Date Sampled: 07/16/2014 1625

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40293.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1816			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1816				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.4		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	8.8		0.38	1.0
1,1-Dichloroethene	0.56	J	0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	4.5		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	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-11

Lab Sample ID: 480-63953-6

Date Sampled: 07/16/2014 1625

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40293.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1816			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1816				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	99		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-12

Lab Sample ID: 480-63953-7

Date Sampled: 07/17/2014 1140

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40294.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1838			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1838				

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	4.1	J	3.0	10
Benzene	0.92	J	0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	9.4		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	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-12

Lab Sample ID: 480-63953-7

Date Sampled: 07/17/2014 1140

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40294.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1838			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1838				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	3.3		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	101		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-13S

Lab Sample ID: 480-63953-8

Date Sampled: 07/17/2014 1230

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40295.D
Dilution:	500			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1901			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1901				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		410	500
1,1,2,2-Tetrachloroethane	ND		110	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		160	500
1,1,2-Trichloroethane	ND		120	500
1,1-Dichloroethane	ND		190	500
1,1-Dichloroethene	ND		150	500
1,2,4-Trichlorobenzene	ND		210	500
1,2-Dibromo-3-Chloropropane	ND		200	500
1,2-Dibromoethane	ND		370	500
1,2-Dichlorobenzene	ND		400	500
1,2-Dichloroethane	ND		110	500
1,2-Dichloropropane	ND		360	500
1,3-Dichlorobenzene	ND		390	500
1,4-Dichlorobenzene	ND		420	500
2-Butanone (MEK)	ND		660	5000
2-Hexanone	ND		620	2500
4-Methyl-2-pentanone (MIBK)	ND		1100	2500
Acetone	ND		1500	5000
Benzene	ND		210	500
Bromodichloromethane	ND		200	500
Bromoform	ND		130	500
Bromomethane	ND		350	500
Carbon disulfide	ND		95	500
Carbon tetrachloride	ND		140	500
Chlorobenzene	ND		380	500
Chloroethane	ND		160	500
Chloroform	ND		170	500
Chloromethane	ND		180	500
cis-1,2-Dichloroethene	17000		410	500
cis-1,3-Dichloropropene	ND		180	500
Cyclohexane	ND		90	500
Dibromochloromethane	ND		160	500
Dichlorodifluoromethane	ND		340	500
Ethylbenzene	ND		370	500
Isopropylbenzene	ND		400	500
Methyl acetate	ND		250	1300
Methyl tert-butyl ether	ND		80	500
Methylcyclohexane	ND		80	500
Methylene Chloride	ND		220	500
Styrene	ND		370	500
Tetrachloroethene	ND		180	500
Toluene	ND		260	500
trans-1,2-Dichloroethene	ND		450	500
trans-1,3-Dichloropropene	ND		190	500
Trichloroethene	33000		230	500
Trichlorofluoromethane	ND		440	500

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: MW-13S

Lab Sample ID: 480-63953-8

Date Sampled: 07/17/2014 1230

Client Matrix: Ground Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40295.D
Dilution:	500			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1901			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1901				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	102		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: Duplicate

Lab Sample ID: 480-63953-9FD

Date Sampled: 07/17/2014 0830

Client Matrix: Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40296.D
Dilution:	500			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1923			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1923				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		410	500
1,1,2,2-Tetrachloroethane	ND		110	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		160	500
1,1,2-Trichloroethane	ND		120	500
1,1-Dichloroethane	ND		190	500
1,1-Dichloroethene	ND		150	500
1,2,4-Trichlorobenzene	ND		210	500
1,2-Dibromo-3-Chloropropane	ND		200	500
1,2-Dibromoethane	ND		370	500
1,2-Dichlorobenzene	ND		400	500
1,2-Dichloroethane	ND		110	500
1,2-Dichloropropane	ND		360	500
1,3-Dichlorobenzene	ND		390	500
1,4-Dichlorobenzene	ND		420	500
2-Butanone (MEK)	ND		660	5000
2-Hexanone	ND		620	2500
4-Methyl-2-pentanone (MIBK)	ND		1100	2500
Acetone	ND		1500	5000
Benzene	ND		210	500
Bromodichloromethane	ND		200	500
Bromoform	ND		130	500
Bromomethane	ND		350	500
Carbon disulfide	ND		95	500
Carbon tetrachloride	ND		140	500
Chlorobenzene	ND		380	500
Chloroethane	ND		160	500
Chloroform	ND		170	500
Chloromethane	ND		180	500
cis-1,2-Dichloroethene	17000		410	500
cis-1,3-Dichloropropene	ND		180	500
Cyclohexane	ND		90	500
Dibromochloromethane	ND		160	500
Dichlorodifluoromethane	ND		340	500
Ethylbenzene	ND		370	500
Isopropylbenzene	ND		400	500
Methyl acetate	ND		250	1300
Methyl tert-butyl ether	ND		80	500
Methylcyclohexane	ND		80	500
Methylene Chloride	ND		220	500
Styrene	ND		370	500
Tetrachloroethene	ND		180	500
Toluene	ND		260	500
trans-1,2-Dichloroethene	ND		450	500
trans-1,3-Dichloropropene	ND		190	500
Trichloroethene	32000		230	500
Trichlorofluoromethane	ND		440	500

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: Duplicate

Lab Sample ID: 480-63953-9FD

Date Sampled: 07/17/2014 0830

Client Matrix: Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40296.D
Dilution:	500			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1923			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1923				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-63953-10RB

Date Sampled: 07/17/2014 1330

Client Matrix: Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40297.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1946			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1946				

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	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-63953-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-63953-10RB

Date Sampled: 07/17/2014 1330

Client Matrix: Water

Date Received: 07/17/2014 1620

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S40297.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1946			Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1946				

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)	103		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Client: AECOM, Inc.

Job Number: 480-63953-1

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

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-63953-1	MW-2	101	99	90
480-63953-2	MW-3	100	101	92
480-63953-3	MW-6	101	100	92
480-63953-4	MW-8R	103	100	91
480-63953-4 DL	MW-8R DL	102	100	91
480-63953-5	MW-10	102	100	92
480-63953-6	MW-11	105	99	92
480-63953-7	MW-12	102	101	92
480-63953-8	MW-13S	102	102	92
480-63953-9	Duplicate	103	100	91
480-63953-10	Rinse Blank	103	100	92
MB 480-194301/8		98	100	93
MB 480-194540/7		100	100	94
LCS 480-194301/5		102	100	102
LCS 480-194540/5		99	97	98

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: 480-63953-1

Method Blank - Batch: 480-194301

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 480-194301/8
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 07/23/2014 1202
 Prep Date: 07/23/2014 1202
 Leach Date: N/A

Analysis Batch: 480-194301
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973S
 Lab File ID: S40277.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	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-63953-1

Method Blank - Batch: 480-194301

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-194301/8	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S40277.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1202	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1202				
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	66 - 137
4-Bromofluorobenzene (Surr)	93	73 - 120
Toluene-d8 (Surr)	100	71 - 126

Lab Control Sample - Batch: 480-194301

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 480-194301/5	Analysis Batch:	480-194301	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S40275.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/23/2014 1117	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/23/2014 1117				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	30.4	121	71 - 129	
1,1-Dichloroethene	25.0	28.8	115	58 - 121	
1,2-Dichlorobenzene	25.0	27.1	108	80 - 124	
1,2-Dichloroethane	25.0	25.7	103	75 - 127	
Benzene	25.0	27.5	110	71 - 124	
Chlorobenzene	25.0	26.6	106	72 - 120	
cis-1,2-Dichloroethene	25.0	27.8	111	74 - 124	
Ethylbenzene	25.0	27.5	110	77 - 123	
Methyl tert-butyl ether	25.0	27.2	109	64 - 127	
Tetrachloroethene	25.0	27.3	109	74 - 122	
Toluene	25.0	27.1	108	80 - 122	
trans-1,2-Dichloroethene	25.0	28.7	115	73 - 127	
Trichloroethene	25.0	28.0	112	74 - 123	

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

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-63953-1

Method Blank - Batch: 480-194540

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 480-194540/7
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/24/2014 1217
Prep Date: 07/24/2014 1217
Leach Date: N/A

Analysis Batch: 480-194540
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973S
Lab File ID: S40306.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	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-63953-1

Method Blank - Batch: 480-194540

Method: 8260C
Preparation: 5030C

Lab Sample ID: MB 480-194540/7	Analysis Batch: 480-194540	Instrument ID: HP5973S
Client Matrix: Water	Prep Batch: N/A	Lab File ID: S40306.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/24/2014 1217	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 07/24/2014 1217		
Leach Date: N/A		

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

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	66 - 137
4-Bromofluorobenzene (Surr)	94	73 - 120
Toluene-d8 (Surr)	100	71 - 126

Lab Control Sample - Batch: 480-194540

Method: 8260C
Preparation: 5030C

Lab Sample ID: LCS 480-194540/5	Analysis Batch: 480-194540	Instrument ID: HP5973S
Client Matrix: Water	Prep Batch: N/A	Lab File ID: S40304.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/24/2014 1132	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 07/24/2014 1132		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	29.7	119	71 - 129	
1,1-Dichloroethene	25.0	29.3	117	58 - 121	
1,2-Dichlorobenzene	25.0	26.4	106	80 - 124	
1,2-Dichloroethane	25.0	25.5	102	75 - 127	
Benzene	25.0	27.4	109	71 - 124	
Chlorobenzene	25.0	26.4	105	72 - 120	
cis-1,2-Dichloroethene	25.0	27.3	109	74 - 124	
Ethylbenzene	25.0	27.6	110	77 - 123	
Methyl tert-butyl ether	25.0	26.3	105	64 - 127	
Tetrachloroethene	25.0	27.6	110	74 - 122	
Toluene	25.0	27.0	108	80 - 122	
trans-1,2-Dichloroethene	25.0	28.5	114	73 - 127	
Trichloroethene	25.0	27.9	112	74 - 123	

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

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 480-63953-1

Lab Section	Qualifier	Description
GC/MS VOA	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	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: 480-63953-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-194301					
LCS 480-194301/5	Lab Control Sample	T	Water	8260C	
MB 480-194301/8	Method Blank	T	Water	8260C	
480-63953-1	MW-2	T	Water	8260C	
480-63953-2	MW-3	T	Water	8260C	
480-63953-3	MW-6	T	Water	8260C	
480-63953-4	MW-8R	T	Water	8260C	
480-63953-5	MW-10	T	Water	8260C	
480-63953-6	MW-11	T	Water	8260C	
480-63953-7	MW-12	T	Water	8260C	
480-63953-8	MW-13S	T	Water	8260C	
480-63953-9FD	Duplicate	T	Water	8260C	
480-63953-10RB	Rinse Blank	T	Water	8260C	
Analysis Batch:480-194540					
LCS 480-194540/5	Lab Control Sample	T	Water	8260C	
MB 480-194540/7	Method Blank	T	Water	8260C	
480-63953-4DL	MW-8R	T	Water	8260C	

Report Basis

T = Total

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-63953-1

Laboratory Chronicle

Lab ID: 480-63953-1

Client ID: MW-2

Sample Date/Time: 07/16/2014 15:20

Received Date/Time: 07/17/2014 16:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-63953-A-1		480-194301		07/23/2014 16:23	1	TAL BUF	CxM
A:8260C	480-63953-A-1		480-194301		07/23/2014 16:23	1	TAL BUF	CxM

Lab ID: 480-63953-2

Client ID: MW-3

Sample Date/Time: 07/17/2014 08:55

Received Date/Time: 07/17/2014 16:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-63953-A-2		480-194301		07/23/2014 16:45	1	TAL BUF	CxM
A:8260C	480-63953-A-2		480-194301		07/23/2014 16:45	1	TAL BUF	CxM

Lab ID: 480-63953-3

Client ID: MW-6

Sample Date/Time: 07/17/2014 10:10

Received Date/Time: 07/17/2014 16:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-63953-A-3		480-194301		07/23/2014 17:08	1	TAL BUF	CxM
A:8260C	480-63953-A-3		480-194301		07/23/2014 17:08	1	TAL BUF	CxM

Lab ID: 480-63953-4

Client ID: MW-8R

Sample Date/Time: 07/17/2014 13:25

Received Date/Time: 07/17/2014 16:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-63953-A-4		480-194301		07/23/2014 17:30	1000	TAL BUF	CxM
A:8260C	480-63953-A-4		480-194301		07/23/2014 17:30	1000	TAL BUF	CxM
P:5030C	480-63953-B-4	DL	480-194540		07/24/2014 14:22	2000	TAL BUF	CxM
A:8260C	480-63953-B-4	DL	480-194540		07/24/2014 14:22	2000	TAL BUF	CxM

Lab ID: 480-63953-5

Client ID: MW-10

Sample Date/Time: 07/17/2014 11:00

Received Date/Time: 07/17/2014 16:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-63953-A-5		480-194301		07/23/2014 17:53	1	TAL BUF	CxM
A:8260C	480-63953-A-5		480-194301		07/23/2014 17:53	1	TAL BUF	CxM

Lab ID: 480-63953-6

Client ID: MW-11

Sample Date/Time: 07/16/2014 16:25

Received Date/Time: 07/17/2014 16:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-63953-A-6		480-194301		07/23/2014 18:16	1	TAL BUF	CxM
A:8260C	480-63953-A-6		480-194301		07/23/2014 18:16	1	TAL BUF	CxM

TestAmerica Buffalo

A = Analytical Method P = Prep Method

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-63953-1

Laboratory Chronicle

Lab ID: 480-63953-7

Client ID: MW-12

Sample Date/Time: 07/17/2014 11:40

Received Date/Time: 07/17/2014 16:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-63953-A-7		480-194301		07/23/2014 18:38	1	TAL BUF	CxM
A:8260C	480-63953-A-7		480-194301		07/23/2014 18:38	1	TAL BUF	CxM

Lab ID: 480-63953-8

Client ID: MW-13S

Sample Date/Time: 07/17/2014 12:30

Received Date/Time: 07/17/2014 16:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-63953-A-8		480-194301		07/23/2014 19:01	500	TAL BUF	CxM
A:8260C	480-63953-A-8		480-194301		07/23/2014 19:01	500	TAL BUF	CxM

Lab ID: 480-63953-9

Client ID: Duplicate

Sample Date/Time: 07/17/2014 08:30

Received Date/Time: 07/17/2014 16:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-63953-A-9		480-194301		07/23/2014 19:23	500	TAL BUF	CxM
A:8260C	480-63953-A-9		480-194301		07/23/2014 19:23	500	TAL BUF	CxM

Lab ID: 480-63953-10

Client ID: Rinse Blank

Sample Date/Time: 07/17/2014 13:30

Received Date/Time: 07/17/2014 16:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-63953-A-10		480-194301		07/23/2014 19:46	1	TAL BUF	CxM
A:8260C	480-63953-A-10		480-194301		07/23/2014 19:46	1	TAL BUF	CxM

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	MB 480-194301/8		480-194301		07/23/2014 12:02	1	TAL BUF	CxM
A:8260C	MB 480-194301/8		480-194301		07/23/2014 12:02	1	TAL BUF	CxM
P:5030C	MB 480-194540/7		480-194540		07/24/2014 12:17	1	TAL BUF	CxM
A:8260C	MB 480-194540/7		480-194540		07/24/2014 12:17	1	TAL BUF	CxM

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-63953-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	LCS 480-194301/5		480-194301		07/23/2014 11:17	1	TAL BUF	CxM
A:8260C	LCS 480-194301/5		480-194301		07/23/2014 11:17	1	TAL BUF	CxM
P:5030C	LCS 480-194540/5		480-194540		07/24/2014 11:32	1	TAL BUF	CxM
A:8260C	LCS 480-194540/5		480-194540		07/24/2014 11:32	1	TAL BUF	CxM

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

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

TestAmerica Job ID: 480-63953-1

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

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
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	480-63953-1	101	99	90
MW-3	480-63953-2	100	101	92
MW-6	480-63953-3	101	100	92
MW-8R	480-63953-4	103	100	91
MW-8R DL	480-63953-4 DL	102	100	91
MW-10	480-63953-5	102	100	92
MW-11	480-63953-6	105	99	92
MW-12	480-63953-7	102	101	92
MW-13S	480-63953-8	102	102	92
Duplicate	480-63953-9	103	100	91
Rinse Blank	480-63953-10	103	100	92
	MB 480-194301/8	98	100	93
	MB 480-194540/7	100	100	94
	LCS 480-194301/5	102	100	102
	LCS 480-194540/5	99	97	98

	<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.: 480-63953-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S40275.D
 Lab ID: LCS 480-194301/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	30.4	121	71-129	
1,1-Dichloroethene	25.0	28.8	115	58-121	
1,2-Dichlorobenzene	25.0	27.1	108	80-124	
1,2-Dichloroethane	25.0	25.7	103	75-127	
Benzene	25.0	27.5	110	71-124	
Chlorobenzene	25.0	26.6	106	72-120	
cis-1,2-Dichloroethene	25.0	27.8	111	74-124	
Ethylbenzene	25.0	27.5	110	77-123	
Methyl tert-butyl ether	25.0	27.2	109	64-127	
Tetrachloroethene	25.0	27.3	109	74-122	
Toluene	25.0	27.1	108	80-122	
trans-1,2-Dichloroethene	25.0	28.7	115	73-127	
Trichloroethene	25.0	28.0	112	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.: 480-63953-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S40304.D
 Lab ID: LCS 480-194540/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	29.7	119	71-129	
1,1-Dichloroethene	25.0	29.3	117	58-121	
1,2-Dichlorobenzene	25.0	26.4	106	80-124	
1,2-Dichloroethane	25.0	25.5	102	75-127	
Benzene	25.0	27.4	109	71-124	
Chlorobenzene	25.0	26.4	105	72-120	
cis-1,2-Dichloroethene	25.0	27.3	109	74-124	
Ethylbenzene	25.0	27.6	110	77-123	
Methyl tert-butyl ether	25.0	26.3	105	64-127	
Tetrachloroethene	25.0	27.6	110	74-122	
Toluene	25.0	27.0	108	80-122	
trans-1,2-Dichloroethene	25.0	28.5	114	73-127	
Trichloroethene	25.0	27.9	112	74-123	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
SDG No.: _____
Lab File ID: S40277.D Lab Sample ID: MB 480-194301/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973S Date Analyzed: 07/23/2014 12:02
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-194301/5	S40275.D	07/23/2014 11:17
MW-2	480-63953-1	S40288.D	07/23/2014 16:23
MW-3	480-63953-2	S40289.D	07/23/2014 16:45
MW-6	480-63953-3	S40290.D	07/23/2014 17:08
MW-8R	480-63953-4	S40291.D	07/23/2014 17:30
MW-10	480-63953-5	S40292.D	07/23/2014 17:53
MW-11	480-63953-6	S40293.D	07/23/2014 18:16
MW-12	480-63953-7	S40294.D	07/23/2014 18:38
MW-13S	480-63953-8	S40295.D	07/23/2014 19:01
Duplicate	480-63953-9	S40296.D	07/23/2014 19:23
Rinse Blank	480-63953-10	S40297.D	07/23/2014 19:46

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
SDG No.: _____
Lab File ID: S40306.D Lab Sample ID: MB 480-194540/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973S Date Analyzed: 07/24/2014 12:17
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 480-194540/5	S40304.D	07/24/2014 11:32
MW-8R DL	480-63953-4 DL	S40311.D	07/24/2014 14:22

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

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
 SDG No.: _____
 Lab File ID: S40108.D BFB Injection Date: 07/11/2014
 Instrument ID: HP5973S BFB Injection Time: 17:54
 Analysis Batch No.: 192443

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.3
75	30.0 - 60.0 % of mass 95	52.1
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 - 120.00 % of mass 95	80.5
175	5.0 - 9.0 % of mass 174	5.8 (7.2)1
176	95.0 - 101.0 % of mass 174	80.6 (100.2)1
177	5.0 - 9.0 % of mass 176	5.4 (6.7)2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-192443/4	S40110.D	07/11/2014	18:40
	IC 480-192443/5	S40111.D	07/11/2014	19:02
	IC 480-192443/6	S40112.D	07/11/2014	19:25
	IC 480-192443/7	S40113.D	07/11/2014	19:47
	ICIS 480-192443/8	S40114.D	07/11/2014	20:10
	IC 480-192443/9	S40115.D	07/11/2014	20:32
	IC 480-192443/10	S40116.D	07/11/2014	20:55

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

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
 SDG No.: _____
 Lab File ID: S40272.D BFB Injection Date: 07/23/2014
 Instrument ID: HP5973S BFB Injection Time: 09:49
 Analysis Batch No.: 194301

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.7
75	30.0 - 60.0 % of mass 95	51.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.3
173	Less than 2.0 % of mass 174	0.1 (0.1)1
174	50.0 - 120.00 % of mass 95	78.1
175	5.0 - 9.0 % of mass 174	6.0 (7.7)1
176	95.0 - 101.0 % of mass 174	78.5 (100.6)1
177	5.0 - 9.0 % of mass 176	5.3 (6.7)2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-194301/3	S40273.D	07/23/2014	10:12
	LCS 480-194301/5	S40275.D	07/23/2014	11:17
	MB 480-194301/8	S40277.D	07/23/2014	12:02
MW-2	480-63953-1	S40288.D	07/23/2014	16:23
MW-3	480-63953-2	S40289.D	07/23/2014	16:45
MW-6	480-63953-3	S40290.D	07/23/2014	17:08
MW-8R	480-63953-4	S40291.D	07/23/2014	17:30
MW-10	480-63953-5	S40292.D	07/23/2014	17:53
MW-11	480-63953-6	S40293.D	07/23/2014	18:16
MW-12	480-63953-7	S40294.D	07/23/2014	18:38
MW-13S	480-63953-8	S40295.D	07/23/2014	19:01
Duplicate	480-63953-9	S40296.D	07/23/2014	19:23
Rinse Blank	480-63953-10	S40297.D	07/23/2014	19:46

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

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
 SDG No.: _____
 Lab File ID: S40301.D BFB Injection Date: 07/24/2014
 Instrument ID: HP5973S BFB Injection Time: 09:51
 Analysis Batch No.: 194540

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	50.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.0
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	80.2
175	5.0 - 9.0 % of mass 174	5.7 (7.2) 1
176	95.0 - 101.0 % of mass 174	79.4 (99.0) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-194540/3	S40302.D	07/24/2014	10:24
	LCS 480-194540/5	S40304.D	07/24/2014	11:32
	MB 480-194540/7	S40306.D	07/24/2014	12:17
MW-8R DL	480-63953-4 DL	S40311.D	07/24/2014	14:22

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

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
 SDG No.: _____
 Sample No.: ICIS 480-192443/8 Date Analyzed: 07/11/2014 20:10
 Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): S40114.D Heated Purge: (Y/N) N
 Calibration ID: 19516

	FB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	200799	4.53	410446	6.82	378966	8.70	
UPPER LIMIT	401598	5.03	820892	7.32	757932	9.20	
LOWER LIMIT	100400	4.03	205223	6.32	189483	8.20	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-194301/3		193747	4.53	407912	6.82	381645	8.70
CCVIS 480-194540/3		195824	4.53	394418	6.82	362654	8.70

FB = Fluorobenzene (IS)

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
 SDG No.: _____
 Sample No.: CCVIS 480-194301/3 Date Analyzed: 07/23/2014 10:12
 Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): S40273.D Heated Purge: (Y/N) N
 Calibration ID: 19518

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		193747	4.53	407912	6.82	381645	8.70
UPPER LIMIT		387494	5.03	815824	7.32	763290	9.20
LOWER LIMIT		96874	4.03	203956	6.32	190823	8.20
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-194301/5		200512	4.53	407339	6.82	374460	8.70
MB 480-194301/8		203082	4.53	393554	6.82	331189	8.70
480-63953-1	MW-2	194303	4.53	375827	6.82	306522	8.70
480-63953-2	MW-3	194054	4.53	368983	6.82	302218	8.70
480-63953-3	MW-6	193859	4.53	369209	6.82	303623	8.70
480-63953-4	MW-8R	191202	4.53	373016	6.82	302015	8.70
480-63953-5	MW-10	186449	4.53	361996	6.82	295449	8.70
480-63953-6	MW-11	190626	4.53	367402	6.82	293788	8.70
480-63953-7	MW-12	187322	4.53	361241	6.82	299400	8.70
480-63953-8	MW-13S	185880	4.53	357231	6.82	288651	8.70
480-63953-9	Duplicate	188856	4.53	361017	6.82	290850	8.70
480-63953-10	Rinse Blank	185794	4.53	355679	6.82	294033	8.70

FB = Fluorobenzene (IS)

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
 SDG No.: _____
 Sample No.: CCVIS 480-194540/3 Date Analyzed: 07/24/2014 10:24
 Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): S40302.D Heated Purge: (Y/N) N
 Calibration ID: 19518

		FB		CBZ		DCB		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		195824	4.53	394418	6.82	362654	8.70	
UPPER LIMIT		391648	5.03	788836	7.32	725308	9.20	
LOWER LIMIT		97912	4.03	197209	6.32	181327	8.20	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 480-194540/5		196522	4.53	398407	6.82	367851	8.70	
MB 480-194540/7		194128	4.53	375129	6.82	307254	8.70	
480-63953-4 DL		MW-8R DL	188534	4.53	367257	6.82	299626	8.70

FB = Fluorobenzene (IS)

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: MW-2 Lab Sample ID: 480-63953-1

Matrix: Ground Water Lab File ID: S40288.D

Analysis Method: 8260C Date Collected: 07/16/2014 15:20

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 16:23

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 194301 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	0.94	J	1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	0.83	J	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.: 480-63953-1
 SDG No.: _____
 Client Sample ID: MW-2 Lab Sample ID: 480-63953-1
 Matrix: Ground Water Lab File ID: S40288.D
 Analysis Method: 8260C Date Collected: 07/16/2014 15:20
 Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 16:23
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		66-137
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40288.D
 Lims ID: 480-63953-A-1 Lab Sample ID: 480-63953-1
 Client ID: MW-2
 Sample Type: Client
 Inject. Date: 23-Jul-2014 16:23:30 ALS Bottle#: 46 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-63953-A-1
 Misc. Info.: 480-0034014-021480-0034014-021
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Aug-2014 07:17:29 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: manc

Date: 24-Jul-2014 16:58:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	194303	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	87	375827	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	95	306522	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	159335	25.1	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.696	0.000	94	884235	24.7	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	87	256284	22.5	
10 Dichlorodifluoromethane	85		1.188				ND	
12 Chloromethane	50		1.316				ND	
13 Vinyl chloride	62		1.407				ND	
14 Bromomethane	94		1.645				ND	
15 Chloroethane	64	1.736	1.736	0.000	53	6989	0.9373	
17 Trichlorofluoromethane	101		1.894				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.302				ND	
22 1,1-Dichloroethene	96		2.320				ND	
23 Acetone	43		2.387				ND	
26 Carbon disulfide	76		2.484				ND	
27 Methyl acetate	43		2.624				ND	
30 Methylene Chloride	84		2.758				ND	
32 Methyl tert-butyl ether	73		2.880				ND	
34 trans-1,2-Dichloroethene	96		2.892				ND	
39 1,1-Dichloroethane	63	3.245	3.239	0.006	1	3174	0.1932	
45 cis-1,2-Dichloroethene	96		3.683				ND	
43 2-Butanone (MEK)	43		3.725				ND	
50 Chloroform	83		3.932				ND	
51 1,1,1-Trichloroethane	97		4.029				ND	
52 Cyclohexane	56	4.036	4.036	0.000	44	3339	0.8280	
55 Carbon tetrachloride	117		4.139				ND	
57 Benzene	78		4.315				ND	
58 1,2-Dichloroethane	62		4.370				ND	
1 1,4-Difluorobenzene	114		4.614				ND	
62 Trichloroethene	95		4.790				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		4.881				ND	
65 1,2-Dichloropropane	63		4.985				ND	
68 Dichlorobromomethane	83		5.204				ND	
72 cis-1,3-Dichloropropene	75		5.526				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.642				ND	
74 Toluene	92		5.751				ND	
77 trans-1,3-Dichloropropene	75		5.958				ND	
79 1,1,2-Trichloroethane	83		6.104				ND	
81 Tetrachloroethene	166		6.147				ND	
80 2-Hexanone	43		6.280				ND	
83 Chlorodibromomethane	129		6.408				ND	
84 Ethylene Dibromide	107		6.493				ND	
87 Chlorobenzene	112		6.846				ND	
88 Ethylbenzene	91		6.913				ND	
90 m-Xylene & p-Xylene	106		7.004				ND	
91 o-Xylene	106		7.321				ND	
92 Styrene	104		7.345				ND	
95 Bromoform	173		7.534				ND	
94 Isopropylbenzene	105		7.607				ND	
97 1,1,2,2-Tetrachloroethane	83		7.917				ND	
111 1,3-Dichlorobenzene	146		8.641				ND	
113 1,4-Dichlorobenzene	146		8.714				ND	
116 1,2-Dichlorobenzene	146		9.024				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.699				ND	
119 1,2,4-Trichlorobenzene	180		10.344				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_Surr_00089

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_IS_00083

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40288.D

Injection Date: 23-Jul-2014 16:23:30

Instrument ID: HP5973S

Operator ID: CN

Lims ID: 480-63953-A-1

Lab Sample ID: 480-63953-1

Worklist Smp#: 21

Client ID: MW-2

Purge Vol: 5.000 mL

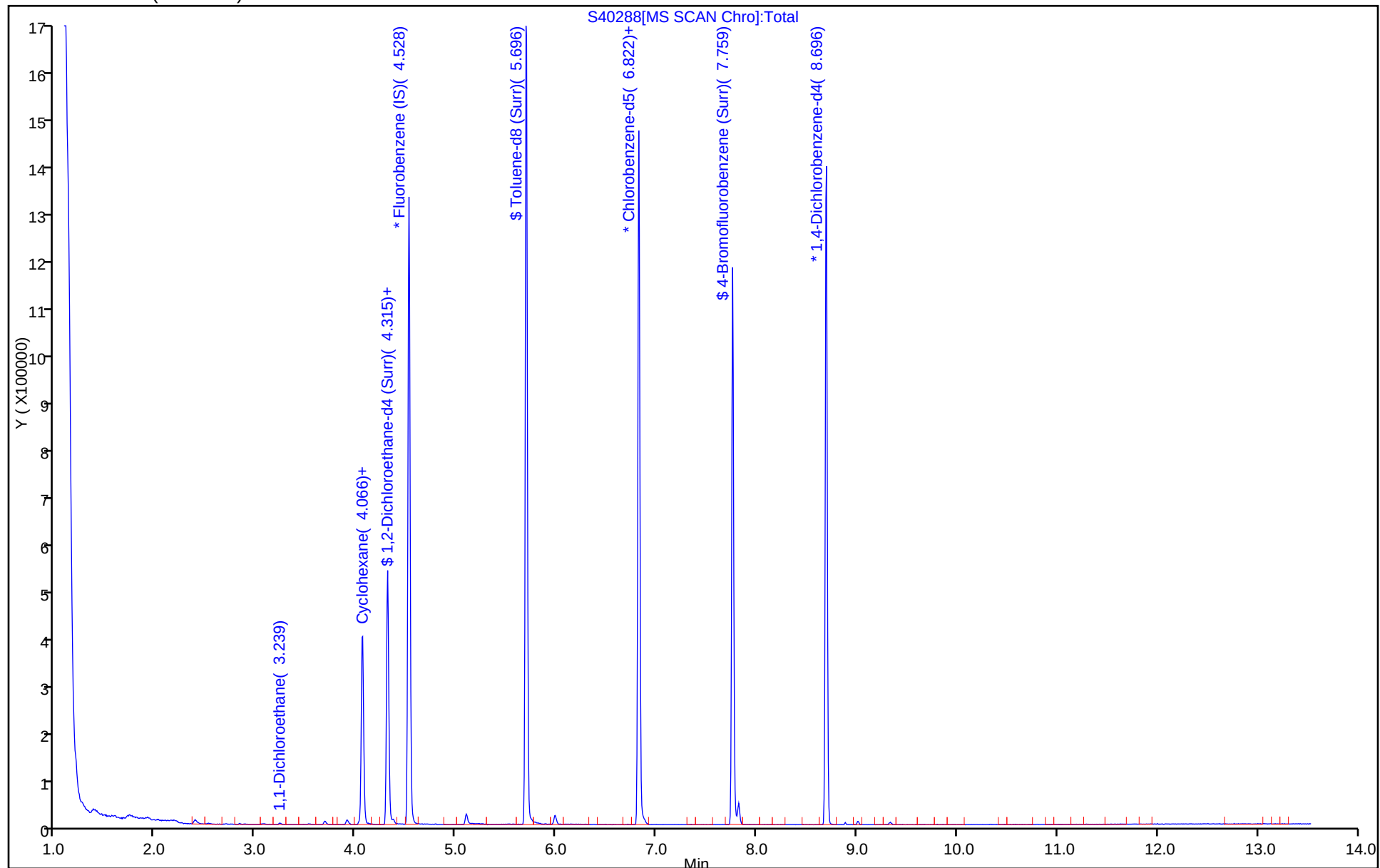
Dil. Factor: 1.0000

ALS Bottle#: 46

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40288.D

Injection Date: 23-Jul-2014 16:23:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-1

Lab Sample ID: 480-63953-1

Client ID: MW-2

Operator ID: CN

ALS Bottle#: 46

Worklist Smp#: 21

Purge Vol: 5.000 mL

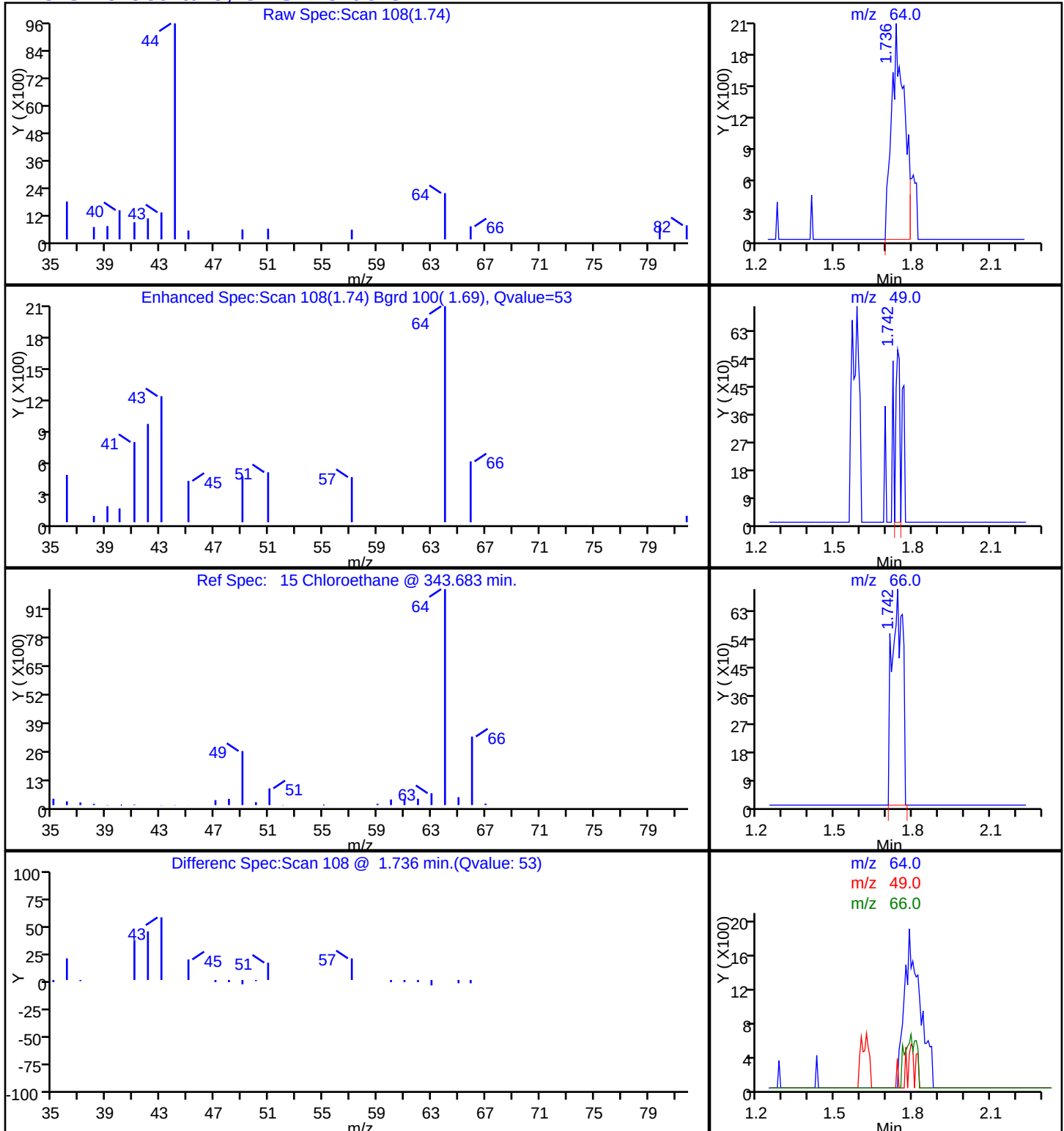
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40288.D

Injection Date: 23-Jul-2014 16:23:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-1

Lab Sample ID: 480-63953-1

Client ID: MW-2

Operator ID: CN

ALS Bottle#: 46

Worklist Smp#: 21

Purge Vol: 5.000 mL

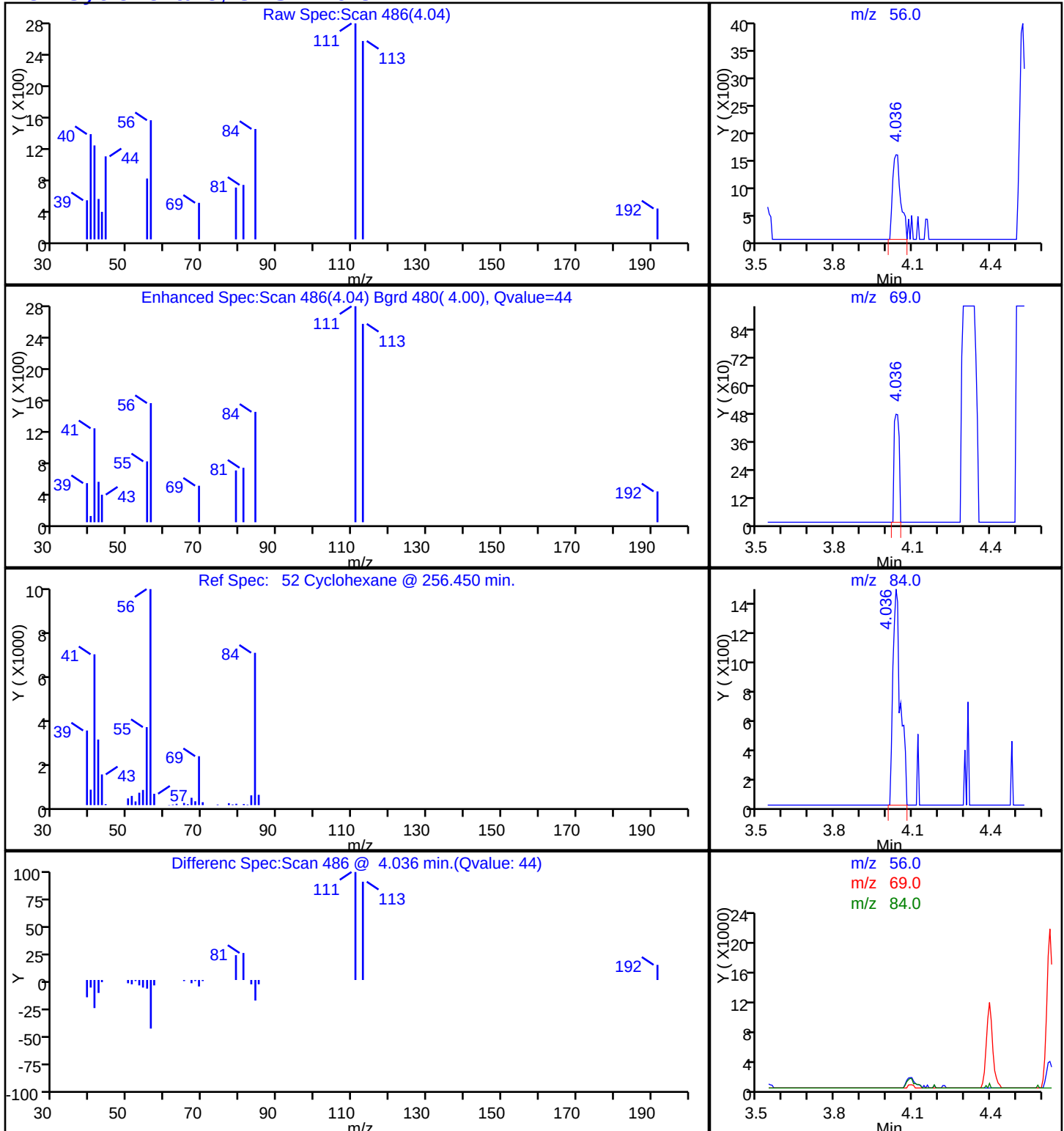
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

52 Cyclohexane, CAS: 110-82-7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: MW-3 Lab Sample ID: 480-63953-2

Matrix: Ground Water Lab File ID: S40289.D

Analysis Method: 8260C Date Collected: 07/17/2014 08:55

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 16:45

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.: 194301 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	8.1		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	3.3	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	1.7		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	2.4		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.: 480-63953-1
 SDG No.: _____
 Client Sample ID: MW-3 Lab Sample ID: 480-63953-2
 Matrix: Ground Water Lab File ID: S40289.D
 Analysis Method: 8260C Date Collected: 07/17/2014 08:55
 Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 16:45
 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.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	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	7.8		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	101		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40289.D
 Lims ID: 480-63953-A-2 Lab Sample ID: 480-63953-2
 Client ID: MW-3
 Sample Type: Client
 Inject. Date: 23-Jul-2014 16:45:30 ALS Bottle#: 47 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-63953-A-2
 Misc. Info.: 480-0034014-022480-0034014-022
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Aug-2014 07:17:40 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: manc

Date: 24-Jul-2014 16:58:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	194054	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	368983	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	96	302218	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.316	4.315	0.001	0	157626	24.9	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.696	0.000	93	884386	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	86	257728	23.0	
10 Dichlorodifluoromethane	85		1.188				ND	
12 Chloromethane	50		1.316				ND	
13 Vinyl chloride	62	1.401	1.407	-0.006	82	97048	7.79	
14 Bromomethane	94		1.645				ND	
15 Chloroethane	64	1.742	1.736	0.006	51	12678	1.70	
17 Trichlorofluoromethane	101		1.894				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.302				ND	
22 1,1-Dichloroethene	96		2.320				ND	
23 Acetone	43	2.393	2.387	0.006	78	16378	3.28	
26 Carbon disulfide	76		2.484				ND	
27 Methyl acetate	43		2.624				ND	
30 Methylene Chloride	84		2.758				ND	
32 Methyl tert-butyl ether	73		2.880				ND	
34 trans-1,2-Dichloroethene	96		2.892				ND	
39 1,1-Dichloroethane	63	3.239	3.239	0.000	86	133036	8.11	
45 cis-1,2-Dichloroethene	96	3.689	3.683	0.006	64	24993	2.36	
43 2-Butanone (MEK)	43		3.725				ND	
50 Chloroform	83		3.932				ND	
51 1,1,1-Trichloroethane	97		4.029				ND	
52 Cyclohexane	56		4.036				ND	
55 Carbon tetrachloride	117		4.139				ND	
57 Benzene	78		4.315				ND	
58 1,2-Dichloroethane	62		4.370				ND	
1 1,4-Difluorobenzene	114		4.614				ND	
62 Trichloroethene	95		4.790				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		4.881				ND	
65 1,2-Dichloropropane	63		4.985				ND	
68 Dichlorobromomethane	83		5.204				ND	
72 cis-1,3-Dichloropropene	75		5.526				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.642				ND	
74 Toluene	92		5.751				ND	
77 trans-1,3-Dichloropropene	75		5.958				ND	
79 1,1,2-Trichloroethane	83		6.104				ND	
81 Tetrachloroethene	166		6.147				ND	
80 2-Hexanone	43		6.280				ND	
83 Chlorodibromomethane	129		6.408				ND	
84 Ethylene Dibromide	107		6.493				ND	
87 Chlorobenzene	112		6.846				ND	
88 Ethylbenzene	91		6.913				ND	
90 m-Xylene & p-Xylene	106		7.004				ND	
91 o-Xylene	106		7.321				ND	
92 Styrene	104		7.345				ND	
95 Bromoform	173		7.534				ND	
94 Isopropylbenzene	105		7.607				ND	
97 1,1,2,2-Tetrachloroethane	83		7.917				ND	
111 1,3-Dichlorobenzene	146		8.641				ND	
113 1,4-Dichlorobenzene	146		8.714				ND	
116 1,2-Dichlorobenzene	146		9.024				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.699				ND	
119 1,2,4-Trichlorobenzene	180		10.344				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_Surr_00089

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_IS_00083

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40289.D

Injection Date: 23-Jul-2014 16:45:30

Instrument ID: HP5973S

Operator ID: CN

Lims ID: 480-63953-A-2

Lab Sample ID: 480-63953-2

Worklist Smp#: 22

Client ID: MW-3

Purge Vol: 5.000 mL

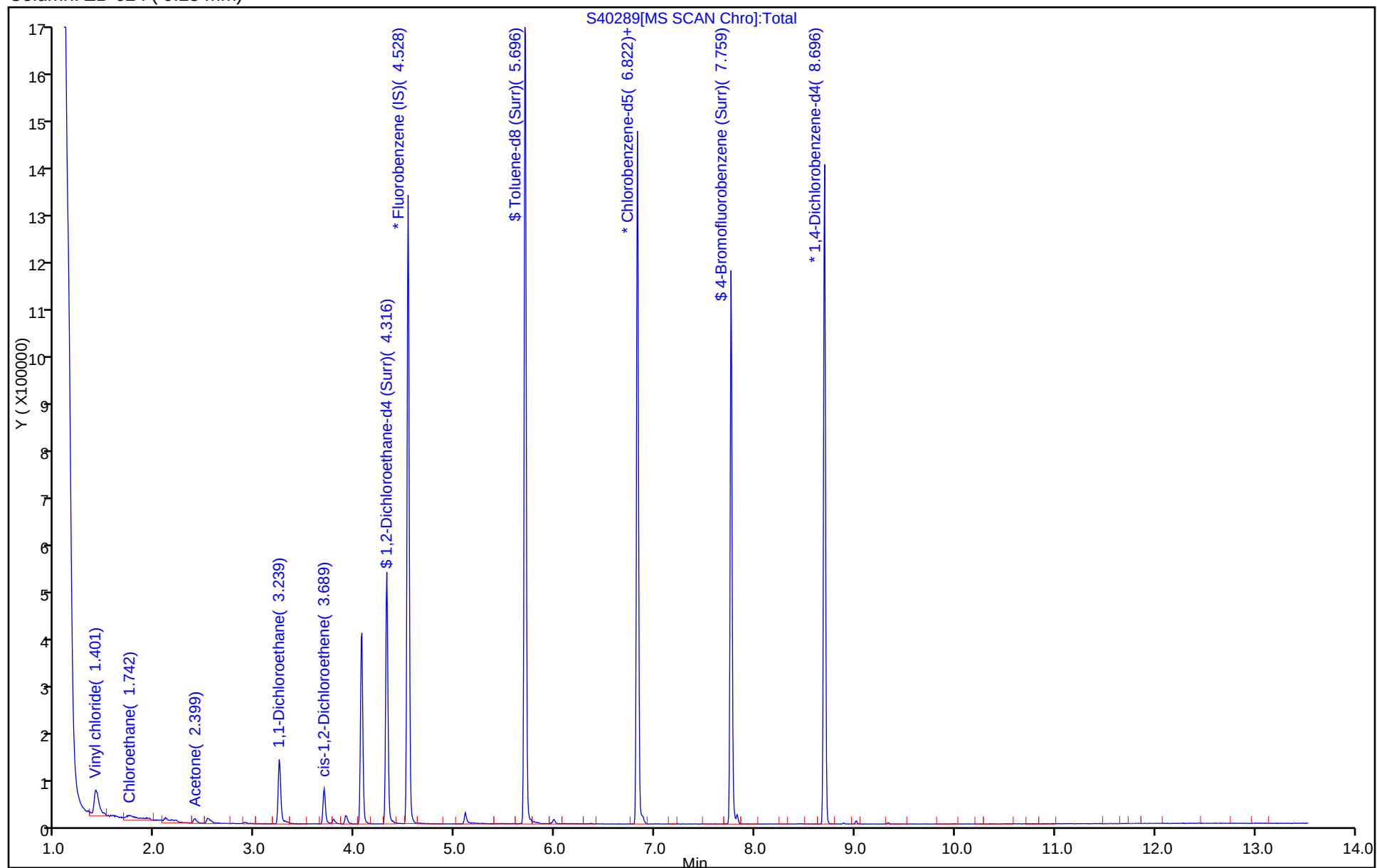
Dil. Factor: 1.0000

ALS Bottle#: 47

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40289.D

Injection Date: 23-Jul-2014 16:45:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-2

Lab Sample ID: 480-63953-2

Client ID: MW-3

Operator ID: CN

ALS Bottle#: 47

Worklist Smp#: 22

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

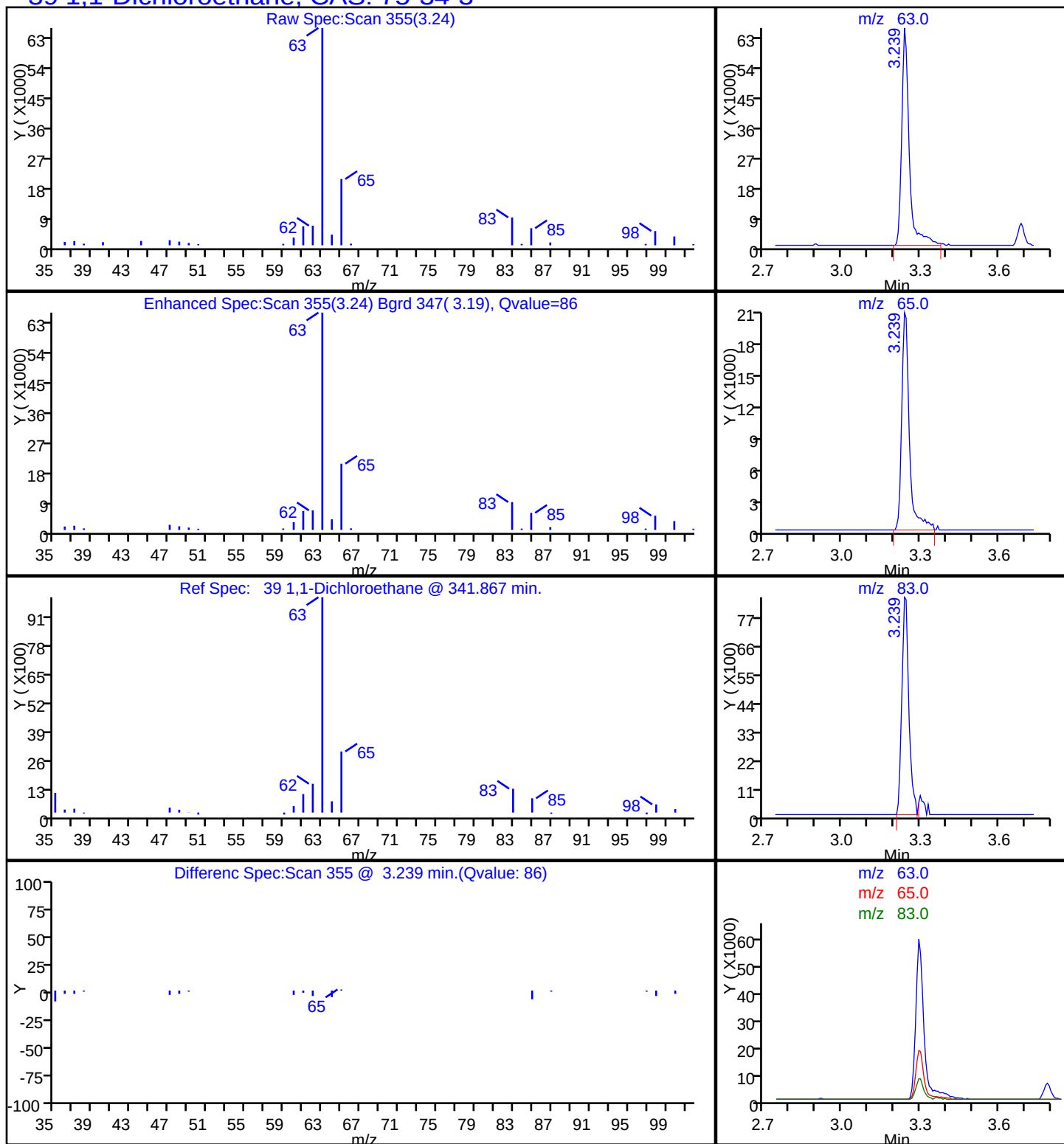
Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

39 1,1-Dichloroethane, CAS: 75-34-3



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40289.D

Injection Date: 23-Jul-2014 16:45:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-2

Lab Sample ID: 480-63953-2

Client ID: MW-3

Operator ID: CN

ALS Bottle#: 47

Worklist Smp#: 22

Purge Vol: 5.000 mL

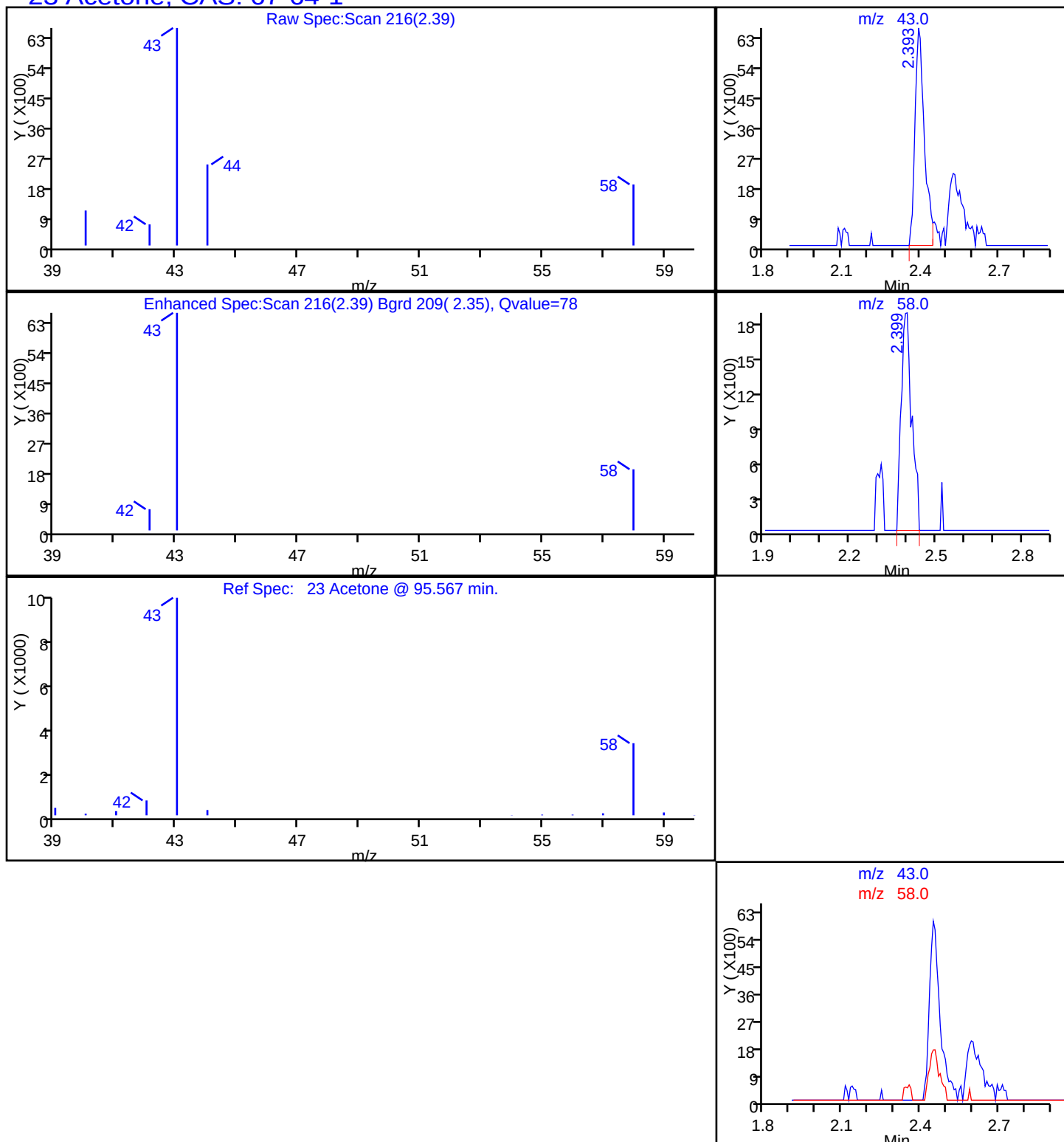
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40289.D

Injection Date: 23-Jul-2014 16:45:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-2

Lab Sample ID: 480-63953-2

Client ID: MW-3

Operator ID: CN

ALS Bottle#: 47

Worklist Smp#: 22

Purge Vol: 5.000 mL

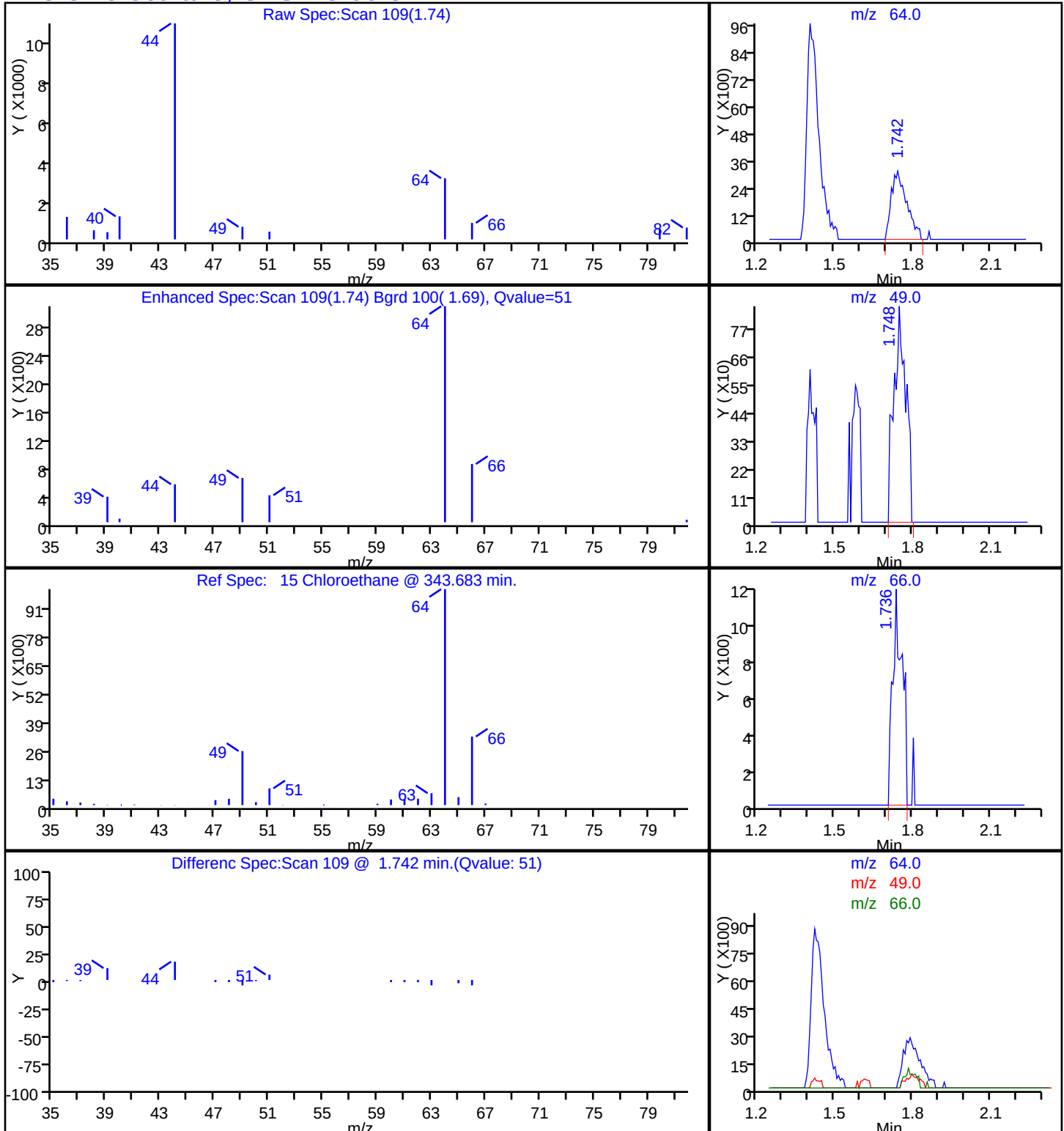
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40289.D

Injection Date: 23-Jul-2014 16:45:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-2

Lab Sample ID: 480-63953-2

Client ID: MW-3

Operator ID: CN

ALS Bottle#: 47

Worklist Smp#: 22

Purge Vol: 5.000 mL

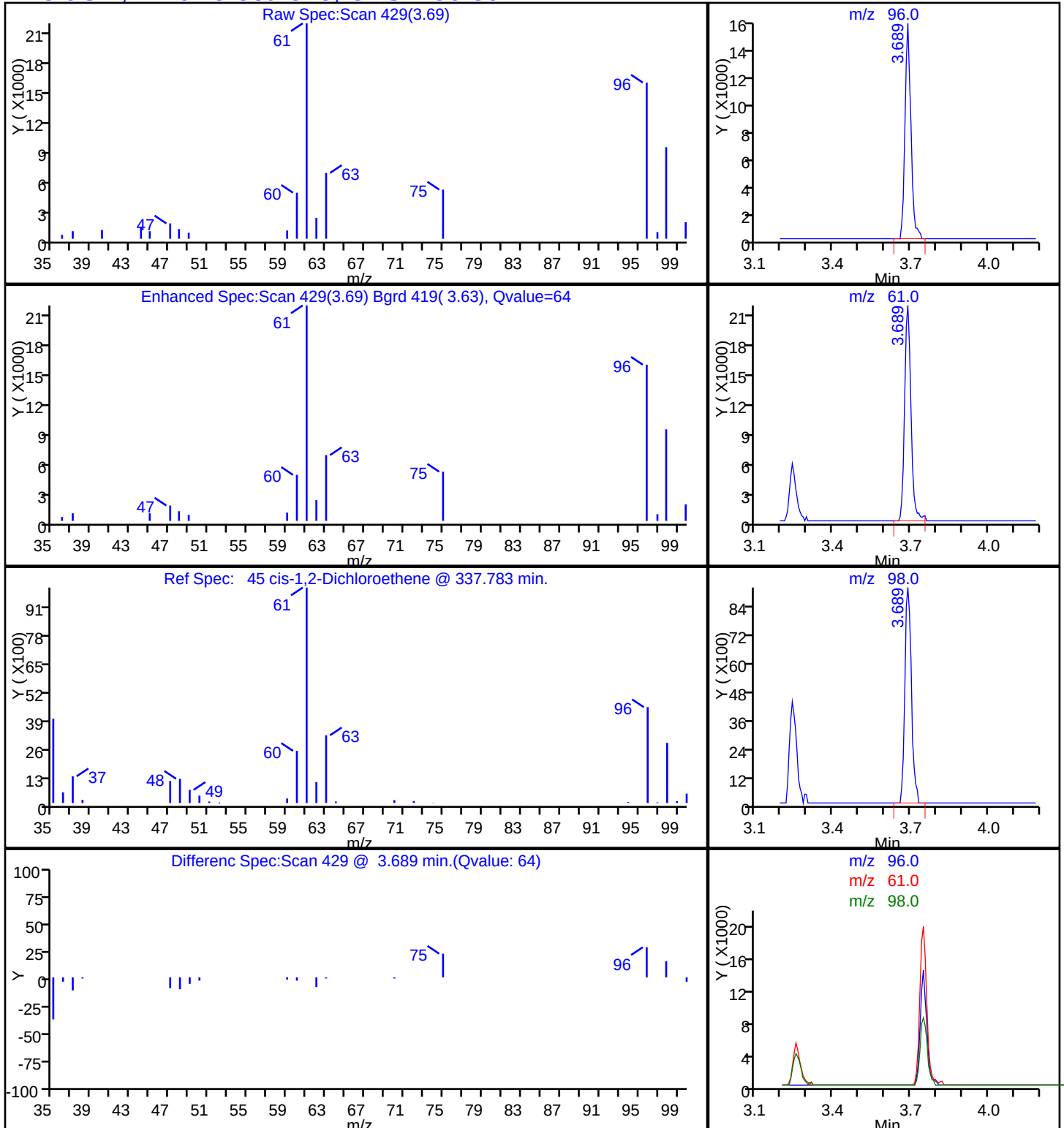
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40289.D

Injection Date: 23-Jul-2014 16:45:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-2

Lab Sample ID: 480-63953-2

Client ID: MW-3

Operator ID: CN

ALS Bottle#: 47

Worklist Smp#: 22

Purge Vol: 5.000 mL

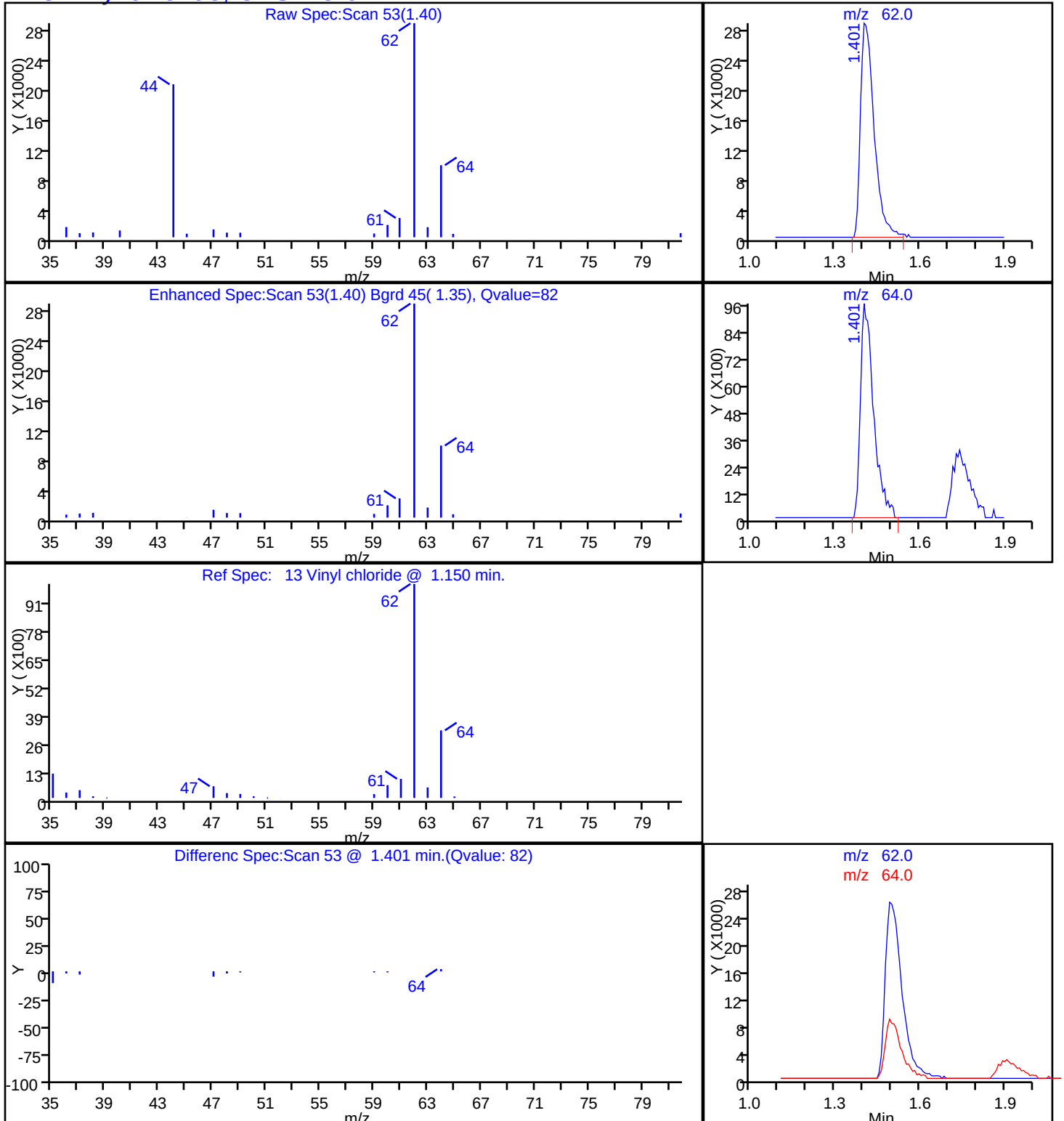
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: MW-6 Lab Sample ID: 480-63953-3

Matrix: Ground Water Lab File ID: S40290.D

Analysis Method: 8260C Date Collected: 07/17/2014 10:10

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 17:08

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 194301 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.: 480-63953-1

SDG No.: _____

Client Sample ID: MW-6 Lab Sample ID: 480-63953-3

Matrix: Ground Water Lab File ID: S40290.D

Analysis Method: 8260C Date Collected: 07/17/2014 10:10

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 17:08

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40290.D
 Lims ID: 480-63953-A-3 Lab Sample ID: 480-63953-3
 Client ID: MW-6
 Sample Type: Client
 Inject. Date: 23-Jul-2014 17:08:30 ALS Bottle#: 48 Worklist Smp#: 23
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-63953-A-3
 Misc. Info.: 480-0034014-023480-0034014-023
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jul-2014 16:58:53 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: manc

Date: 24-Jul-2014 16:58:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	193859	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	369209	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	96	303623	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	158974	25.1	
\$ 5 Toluene-d8 (Surr)	98	5.703	5.696	0.007	93	883431	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	86	256301	22.9	
10 Dichlorodifluoromethane	85		1.188				ND	
12 Chloromethane	50		1.316				ND	
13 Vinyl chloride	62		1.407				ND	
14 Bromomethane	94		1.645				ND	
15 Chloroethane	64		1.736				ND	
17 Trichlorofluoromethane	101		1.894				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.302				ND	
22 1,1-Dichloroethene	96		2.320				ND	
23 Acetone	43		2.387				ND	
26 Carbon disulfide	76		2.484				ND	
27 Methyl acetate	43		2.624				ND	
30 Methylene Chloride	84		2.758				ND	
32 Methyl tert-butyl ether	73		2.880				ND	
34 trans-1,2-Dichloroethene	96		2.892				ND	
39 1,1-Dichloroethane	63		3.239				ND	
45 cis-1,2-Dichloroethene	96		3.683				ND	
43 2-Butanone (MEK)	43		3.725				ND	
50 Chloroform	83		3.932				ND	
51 1,1,1-Trichloroethane	97		4.029				ND	
52 Cyclohexane	56		4.036				ND	
55 Carbon tetrachloride	117		4.139				ND	
57 Benzene	78		4.315				ND	
58 1,2-Dichloroethane	62		4.370				ND	
1 1,4-Difluorobenzene	114		4.614				ND	
62 Trichloroethene	95		4.790				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		4.881				ND	
65 1,2-Dichloropropane	63		4.985				ND	
68 Dichlorobromomethane	83		5.204				ND	
72 cis-1,3-Dichloropropene	75		5.526				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.642				ND	
74 Toluene	92		5.751				ND	
77 trans-1,3-Dichloropropene	75		5.958				ND	
79 1,1,2-Trichloroethane	83		6.104				ND	
81 Tetrachloroethene	166		6.147				ND	
80 2-Hexanone	43		6.280				ND	
83 Chlorodibromomethane	129		6.408				ND	
84 Ethylene Dibromide	107		6.493				ND	
87 Chlorobenzene	112		6.846				ND	
88 Ethylbenzene	91		6.913				ND	
90 m-Xylene & p-Xylene	106		7.004				ND	
91 o-Xylene	106		7.321				ND	
92 Styrene	104		7.345				ND	
95 Bromoform	173		7.534				ND	
94 Isopropylbenzene	105		7.607				ND	
97 1,1,2,2-Tetrachloroethane	83		7.917				ND	
111 1,3-Dichlorobenzene	146		8.641				ND	
113 1,4-Dichlorobenzene	146		8.714				ND	
116 1,2-Dichlorobenzene	146		9.024				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.699				ND	
119 1,2,4-Trichlorobenzene	180		10.344				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_Surr_00089

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_IS_00083

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40290.D

Injection Date: 23-Jul-2014 17:08:30

Instrument ID: HP5973S

Operator ID: CN

Lims ID: 480-63953-A-3

Lab Sample ID: 480-63953-3

Worklist Smp#: 23

Client ID: MW-6

Purge Vol: 5.000 mL

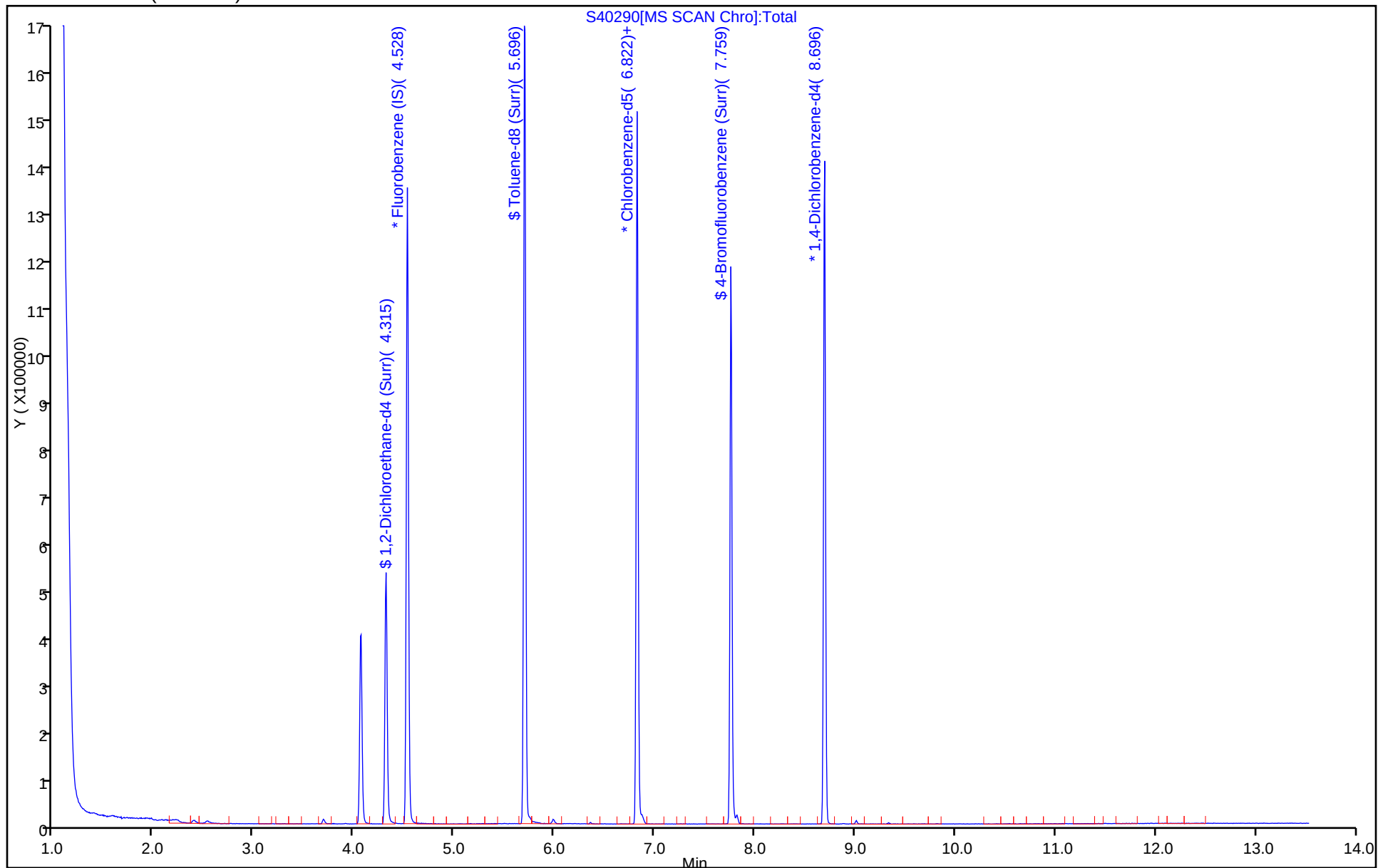
Dil. Factor: 1.0000

ALS Bottle#: 48

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: MW-8R Lab Sample ID: 480-63953-4

Matrix: Ground Water Lab File ID: S40291.D

Analysis Method: 8260C Date Collected: 07/17/2014 13:25

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 17:30

Soil Aliquot Vol: _____ Dilution Factor: 1000

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

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

Analysis Batch No.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1000	820
79-34-5	1,1,2,2-Tetrachloroethane	ND		1000	210
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310
79-00-5	1,1,2-Trichloroethane	ND		1000	230
75-34-3	1,1-Dichloroethane	410	J ^	1000	380
75-35-4	1,1-Dichloroethene	ND		1000	290
120-82-1	1,2,4-Trichlorobenzene	ND		1000	410
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1000	390
106-93-4	1,2-Dibromoethane	ND		1000	730
95-50-1	1,2-Dichlorobenzene	ND		1000	790
107-06-2	1,2-Dichloroethane	ND		1000	210
78-87-5	1,2-Dichloropropane	ND		1000	720
541-73-1	1,3-Dichlorobenzene	ND		1000	780
106-46-7	1,4-Dichlorobenzene	ND		1000	840
78-93-3	2-Butanone (MEK)	ND		10000	1300
591-78-6	2-Hexanone	ND		5000	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5000	2100
67-64-1	Acetone	ND		10000	3000
71-43-2	Benzene	ND		1000	410
75-27-4	Bromodichloromethane	ND		1000	390
75-25-2	Bromoform	ND		1000	260
74-83-9	Bromomethane	ND		1000	690
75-15-0	Carbon disulfide	ND		1000	190
56-23-5	Carbon tetrachloride	ND		1000	270
108-90-7	Chlorobenzene	ND		1000	750
75-00-3	Chloroethane	ND		1000	320
67-66-3	Chloroform	ND		1000	340
74-87-3	Chloromethane	ND		1000	350
156-59-2	cis-1,2-Dichloroethene	58000		1000	810
10061-01-5	cis-1,3-Dichloropropene	ND		1000	360
110-82-7	Cyclohexane	ND		1000	180
124-48-1	Dibromochloromethane	ND		1000	320
75-71-8	Dichlorodifluoromethane	ND		1000	680
100-41-4	Ethylbenzene	ND		1000	740
98-82-8	Isopropylbenzene	ND		1000	790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
 SDG No.: _____
 Client Sample ID: MW-8R Lab Sample ID: 480-63953-4
 Matrix: Ground Water Lab File ID: S40291.D
 Analysis Method: 8260C Date Collected: 07/17/2014 13:25
 Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 17:30
 Soil Aliquot Vol: _____ Dilution Factor: 1000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2500	500
1634-04-4	Methyl tert-butyl ether	ND		1000	160
108-87-2	Methylcyclohexane	ND		1000	160
75-09-2	Methylene Chloride	ND		1000	440
100-42-5	Styrene	ND		1000	730
127-18-4	Tetrachloroethene	ND		1000	360
108-88-3	Toluene	ND		1000	510
156-60-5	trans-1,2-Dichloroethene	ND		1000	900
10061-02-6	trans-1,3-Dichloropropene	ND		1000	370
79-01-6	Trichloroethene	110000	E	1000	460
75-69-4	Trichlorofluoromethane	ND		1000	880
75-01-4	Vinyl chloride	2300		1000	900
1330-20-7	Xylenes, Total	ND		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40291.D
 Lims ID: 480-63953-A-4 Lab Sample ID: 480-63953-4
 Client ID: MW-8R
 Sample Type: Client
 Inject. Date: 23-Jul-2014 17:30:30 ALS Bottle#: 49 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 1000.0000
 Sample Info: 480-63953-A-4
 Misc. Info.: 480-0034014-024480-0034014-024
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jul-2014 16:58:53 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: manc

Date: 24-Jul-2014 16:59:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	191202	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	373016	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	96	302015	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	160285	25.7	
\$ 5 Toluene-d8 (Surr)	98	5.703	5.696	0.006	93	888537	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	86	258311	22.8	
10 Dichlorodifluoromethane	85		1.188				ND	
12 Chloromethane	50		1.316				ND	
13 Vinyl chloride	62	1.408	1.407	0.001	70	28132	2.29	
14 Bromomethane	94		1.645				ND	
15 Chloroethane	64		1.736				ND	
17 Trichlorofluoromethane	101		1.894				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.302				ND	
22 1,1-Dichloroethene	96	2.308	2.320	-0.012	39	2364	0.2293	
23 Acetone	43		2.387				ND	
26 Carbon disulfide	76		2.484				ND	
27 Methyl acetate	43		2.624				ND	
30 Methylene Chloride	84	2.764	2.758	0.006	49	4612	0.3690	
32 Methyl tert-butyl ether	73		2.880				ND	
34 trans-1,2-Dichloroethene	96		2.892				ND	
39 1,1-Dichloroethane	63	3.239	3.239	0.000	10	6689	0.4138	
45 cis-1,2-Dichloroethene	96	3.689	3.683	0.006	71	604968	58.0	
43 2-Butanone (MEK)	43		3.725				ND	
50 Chloroform	83		3.932				ND	
51 1,1,1-Trichloroethane	97		4.029				ND	
52 Cyclohexane	56		4.036				ND	
55 Carbon tetrachloride	117		4.139				ND	
57 Benzene	78		4.315				ND	
58 1,2-Dichloroethane	62		4.370				ND	
1 1,4-Difluorobenzene	114		4.614				ND	
62 Trichloroethene	95	4.790	4.790	0.000	94	1114778	113.8	E

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		4.881				ND	
65 1,2-Dichloropropane	63		4.985				ND	
68 Dichlorobromomethane	83		5.204				ND	
72 cis-1,3-Dichloropropene	75		5.526				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.642				ND	
74 Toluene	92		5.751				ND	
77 trans-1,3-Dichloropropene	75		5.958				ND	
79 1,1,2-Trichloroethane	83		6.104				ND	
81 Tetrachloroethene	166		6.147				ND	
80 2-Hexanone	43		6.280				ND	
83 Chlorodibromomethane	129		6.408				ND	
84 Ethylene Dibromide	107		6.493				ND	
87 Chlorobenzene	112		6.846				ND	
88 Ethylbenzene	91		6.913				ND	
90 m-Xylene & p-Xylene	106		7.004				ND	
91 o-Xylene	106		7.321				ND	
92 Styrene	104		7.345				ND	
95 Bromoform	173		7.534				ND	
94 Isopropylbenzene	105		7.607				ND	
97 1,1,2,2-Tetrachloroethane	83		7.917				ND	
111 1,3-Dichlorobenzene	146		8.641				ND	
113 1,4-Dichlorobenzene	146		8.714				ND	
116 1,2-Dichlorobenzene	146		9.024				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.699				ND	
119 1,2,4-Trichlorobenzene	180		10.344				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

E - Exceeded Maximum Amount

Reagents:

S_8260_Surr_00089

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_IS_00083

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40291.D

Injection Date: 23-Jul-2014 17:30:30

Instrument ID: HP5973S

Operator ID: CN

Lims ID: 480-63953-A-4

Lab Sample ID: 480-63953-4

Worklist Smp#: 24

Client ID: MW-8R

Purge Vol: 5.000 mL

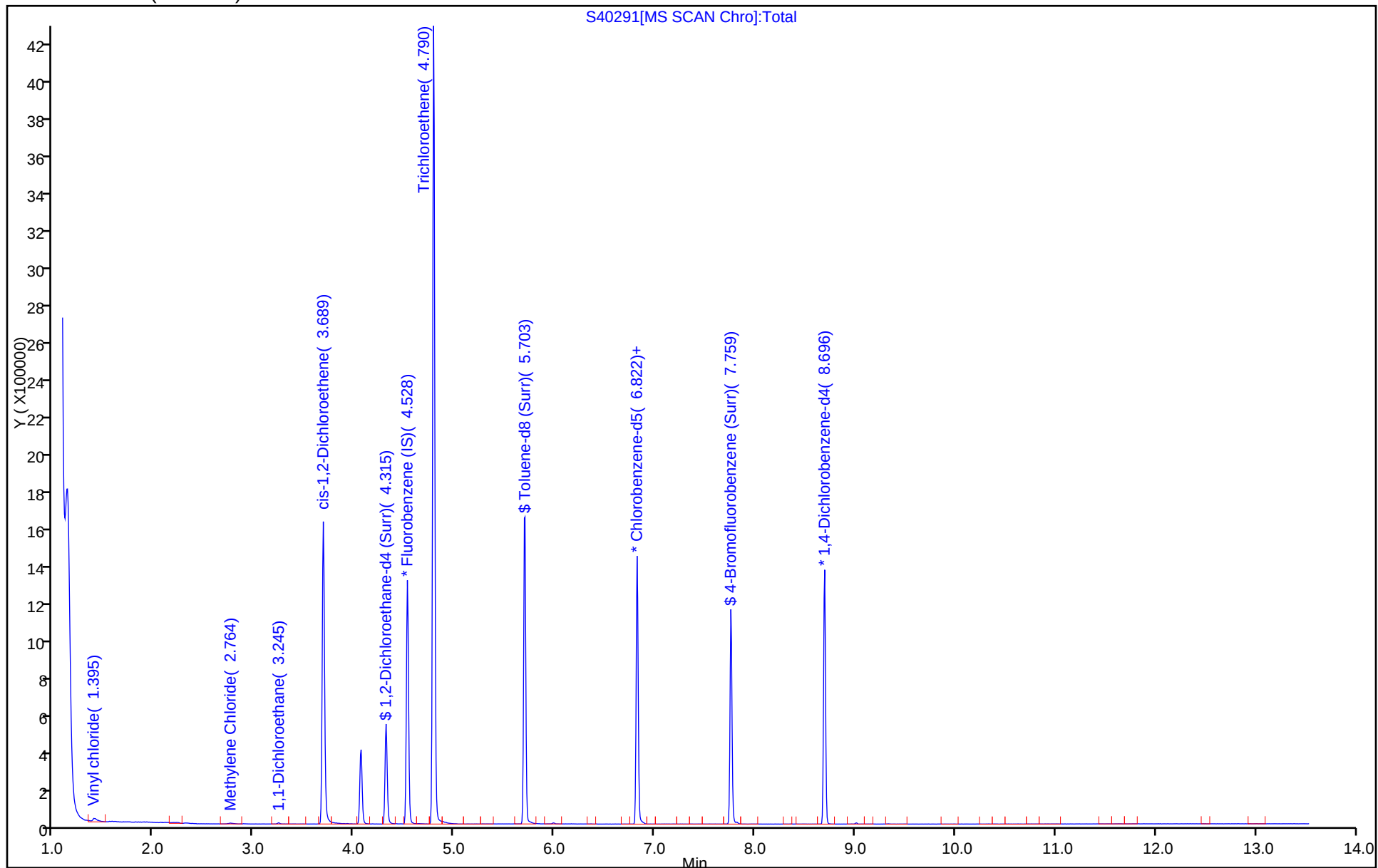
Dil. Factor: 1000.0000

ALS Bottle#: 49

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40291.D

Injection Date: 23-Jul-2014 17:30:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-4

Lab Sample ID: 480-63953-4

Client ID: MW-8R

Operator ID: CN

ALS Bottle#: 49

Worklist Smp#: 24

Purge Vol: 5.000 mL

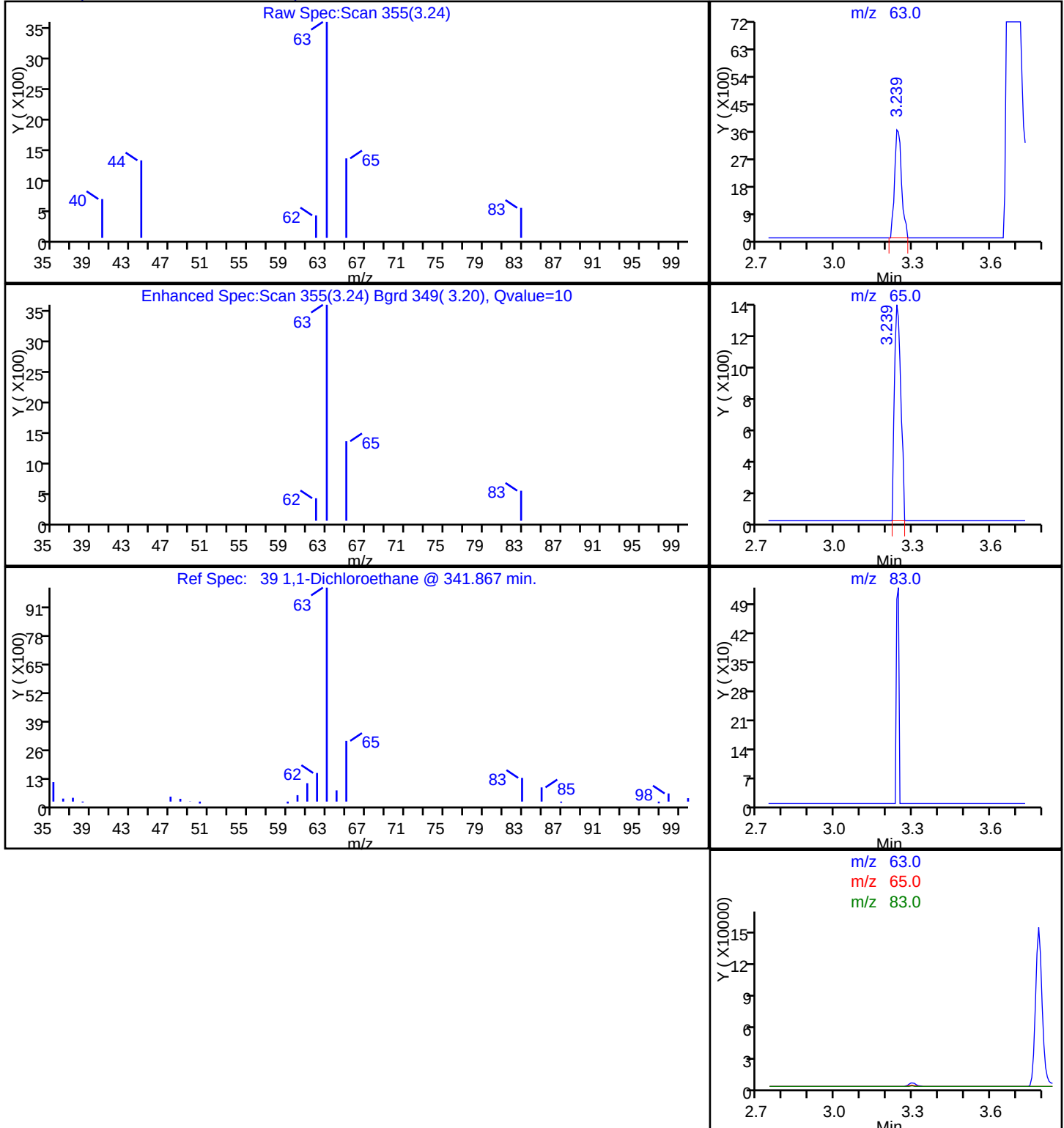
Dil. Factor: 1000.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

39 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40291.D

Injection Date: 23-Jul-2014 17:30:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-4

Lab Sample ID: 480-63953-4

Client ID: MW-8R

Operator ID: CN

ALS Bottle#: 49

Worklist Smp#: 24

Purge Vol: 5.000 mL

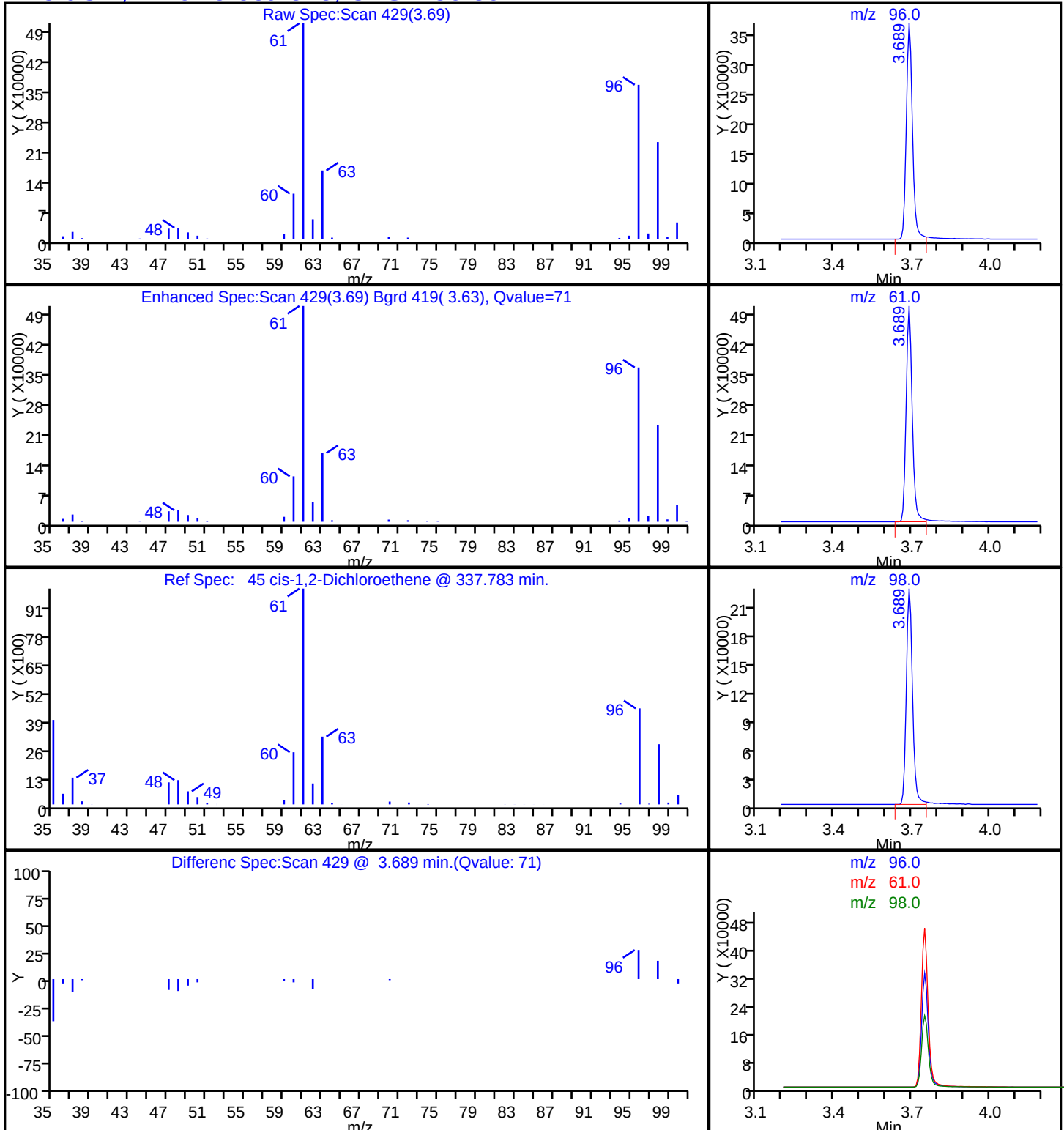
Dil. Factor: 1000.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40291.D

Injection Date: 23-Jul-2014 17:30:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-4

Lab Sample ID: 480-63953-4

Client ID: MW-8R

Operator ID: CN

ALS Bottle#: 49

Worklist Smp#: 24

Purge Vol: 5.000 mL

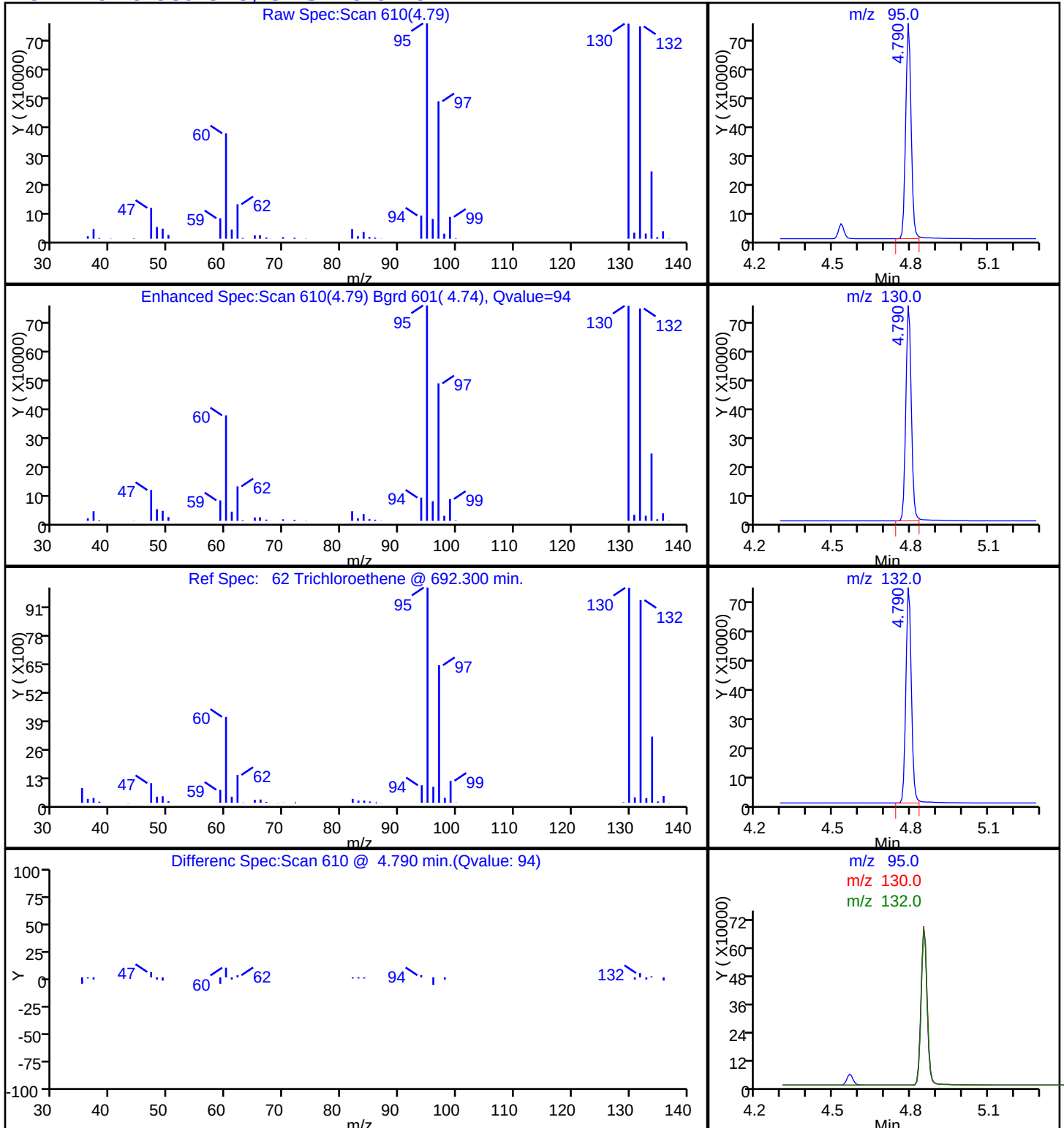
Dil. Factor: 1000.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40291.D

Injection Date: 23-Jul-2014 17:30:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-4

Lab Sample ID: 480-63953-4

Client ID: MW-8R

Operator ID: CN

ALS Bottle#: 49

Worklist Smp#: 24

Purge Vol: 5.000 mL

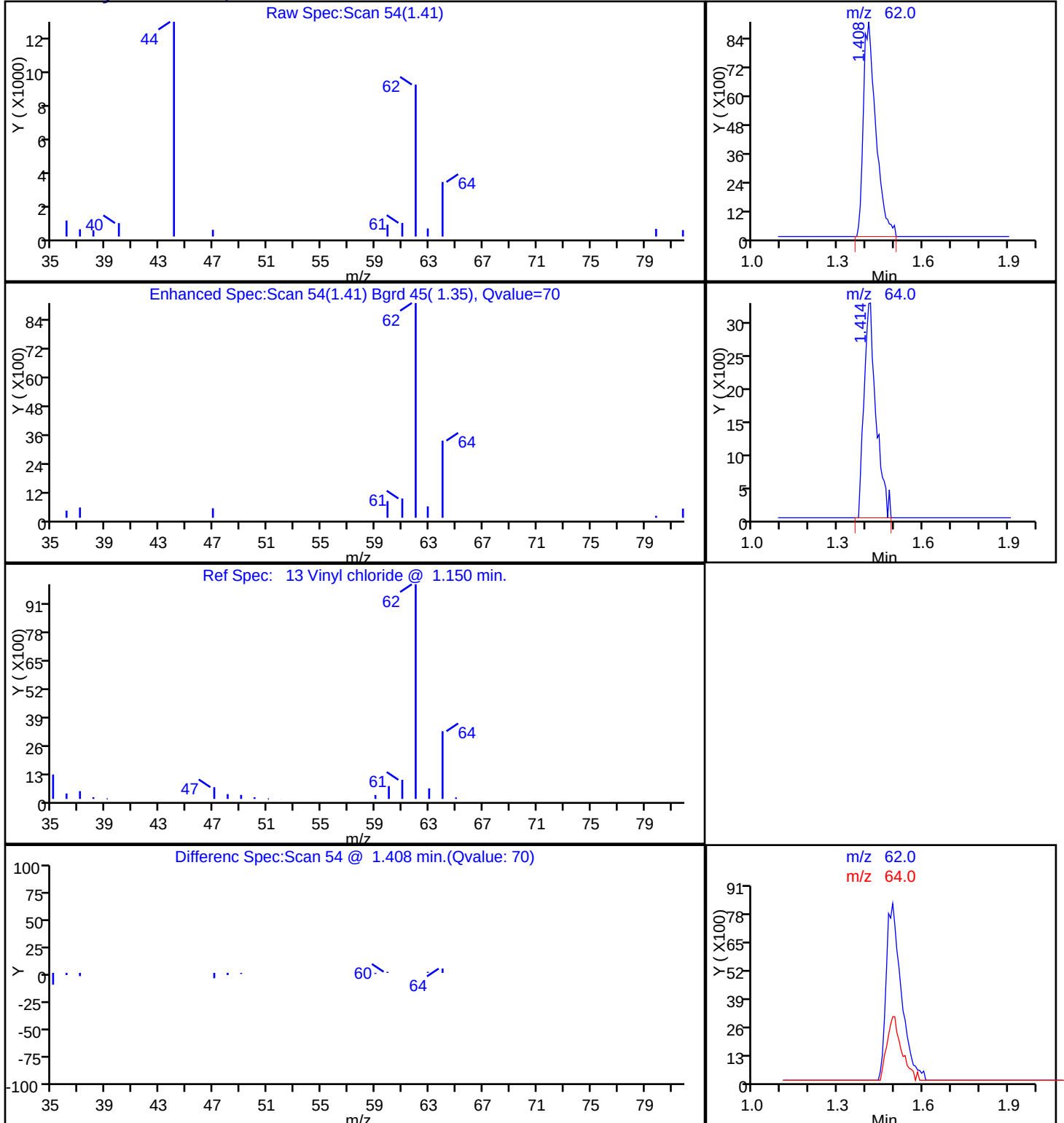
Dil. Factor: 1000.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-63953-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-8R DL</u>	Lab Sample ID: <u>480-63953-4 DL</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>S40311.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/17/2014 13:25</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>07/24/2014 14:22</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2000</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>194540</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2000	1600
79-34-5	1,1,2,2-Tetrachloroethane	ND		2000	420
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620
79-00-5	1,1,2-Trichloroethane	ND		2000	460
75-34-3	1,1-Dichloroethane	ND		2000	760
75-35-4	1,1-Dichloroethene	ND		2000	580
120-82-1	1,2,4-Trichlorobenzene	ND		2000	820
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2000	780
106-93-4	1,2-Dibromoethane	ND		2000	1500
95-50-1	1,2-Dichlorobenzene	ND		2000	1600
107-06-2	1,2-Dichloroethane	ND		2000	420
78-87-5	1,2-Dichloropropane	ND		2000	1400
541-73-1	1,3-Dichlorobenzene	ND		2000	1600
106-46-7	1,4-Dichlorobenzene	ND		2000	1700
78-93-3	2-Butanone (MEK)	ND		20000	2600
591-78-6	2-Hexanone	ND		10000	2500
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10000	4200
67-64-1	Acetone	ND		20000	6000
71-43-2	Benzene	ND		2000	820
75-27-4	Bromodichloromethane	ND		2000	780
75-25-2	Bromoform	ND		2000	520
74-83-9	Bromomethane	ND		2000	1400
75-15-0	Carbon disulfide	ND		2000	380
56-23-5	Carbon tetrachloride	ND		2000	540
108-90-7	Chlorobenzene	ND		2000	1500
75-00-3	Chloroethane	ND		2000	640
67-66-3	Chloroform	ND		2000	680
74-87-3	Chloromethane	ND		2000	700
156-59-2	cis-1,2-Dichloroethene	55000		2000	1600
10061-01-5	cis-1,3-Dichloropropene	ND		2000	720
110-82-7	Cyclohexane	ND		2000	360
124-48-1	Dibromochloromethane	ND		2000	640
75-71-8	Dichlorodifluoromethane	ND		2000	1400
100-41-4	Ethylbenzene	ND		2000	1500
98-82-8	Isopropylbenzene	ND		2000	1600

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: MW-8R DL Lab Sample ID: 480-63953-4 DL

Matrix: Ground Water Lab File ID: S40311.D

Analysis Method: 8260C Date Collected: 07/17/2014 13:25

Sample wt/vol: 5(mL) Date Analyzed: 07/24/2014 14:22

Soil Aliquot Vol: _____ Dilution Factor: 2000

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

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

Analysis Batch No.: 194540 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5000	1000
1634-04-4	Methyl tert-butyl ether	ND		2000	320
108-87-2	Methylcyclohexane	ND		2000	320
75-09-2	Methylene Chloride	940	J	2000	880
100-42-5	Styrene	ND		2000	1500
127-18-4	Tetrachloroethene	ND		2000	720
108-88-3	Toluene	ND		2000	1000
156-60-5	trans-1,2-Dichloroethene	ND		2000	1800
10061-02-6	trans-1,3-Dichloropropene	ND		2000	740
79-01-6	Trichloroethene	110000		2000	920
75-69-4	Trichlorofluoromethane	ND		2000	1800
75-01-4	Vinyl chloride	2300	^	2000	1800
1330-20-7	Xylenes, Total	ND		4000	1300

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40311.D
 Lims ID: 480-63953-B-4 Lab Sample ID: 480-63953-4
 Client ID: MW-8R
 Sample Type: Client
 Inject. Date: 24-Jul-2014 14:22:30 ALS Bottle#: 69 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 2000.0000
 Sample Info: 480-63953-B-4
 Misc. Info.: 480-0034054-014480-0034054-014
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 25-Jul-2014 16:10:44 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK002

First Level Reviewer: manc

Date: 25-Jul-2014 16:10:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	188534	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	367257	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.695	0.001	95	299626	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	156247	25.4	
\$ 5 Toluene-d8 (Surr)	98	5.703	5.696	0.007	93	872528	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.001	87	252467	22.7	
10 Dichlorodifluoromethane	85		1.194				ND	
12 Chloromethane	50		1.322				ND	
13 Vinyl chloride	62	1.401	1.407	-0.006	34	13902	1.15	
14 Bromomethane	94		1.645				ND	
15 Chloroethane	64		1.742				ND	
17 Trichlorofluoromethane	101		1.888				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.289				ND	
22 1,1-Dichloroethene	96		2.320				ND	
23 Acetone	43		2.387				ND	
26 Carbon disulfide	76		2.490				ND	
27 Methyl acetate	43		2.624				ND	
30 Methylene Chloride	84	2.764	2.764	0.000	54	5813	0.4717	
32 Methyl tert-butyl ether	73		2.879				ND	
34 trans-1,2-Dichloroethene	96		2.892				ND	
39 1,1-Dichloroethane	63	3.245	3.238	0.007	1	2837	0.1780	
45 cis-1,2-Dichloroethene	96	3.689	3.689	0.000	70	280370	27.3	
43 2-Butanone (MEK)	43		3.725				ND	
50 Chloroform	83		3.932				ND	
51 1,1,1-Trichloroethane	97		4.029				ND	
52 Cyclohexane	56		4.029				ND	
55 Carbon tetrachloride	117		4.139				ND	
57 Benzene	78		4.315				ND	
58 1,2-Dichloroethane	62		4.370				ND	
1 1,4-Difluorobenzene	114		4.614				ND	
62 Trichloroethene	95	4.790	4.790	0.000	93	524545	54.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		4.881				ND	
65 1,2-Dichloropropane	63		4.984				ND	
68 Dichlorobromomethane	83		5.203				ND	
72 cis-1,3-Dichloropropene	75		5.526				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.641				ND	
74 Toluene	92		5.751				ND	
77 trans-1,3-Dichloropropene	75		5.958				ND	
79 1,1,2-Trichloroethane	83		6.104				ND	
81 Tetrachloroethene	166		6.146				ND	
80 2-Hexanone	43		6.280				ND	
83 Chlorodibromomethane	129		6.408				ND	
84 Ethylene Dibromide	107		6.493				ND	
87 Chlorobenzene	112		6.846				ND	
88 Ethylbenzene	91		6.913				ND	
90 m-Xylene & p-Xylene	106		6.998				ND	
91 o-Xylene	106		7.320				ND	
92 Styrene	104		7.345				ND	
95 Bromoform	173		7.533				ND	
94 Isopropylbenzene	105		7.606				ND	
97 1,1,2,2-Tetrachloroethane	83		7.917				ND	
111 1,3-Dichlorobenzene	146		8.635				ND	
113 1,4-Dichlorobenzene	146		8.714				ND	
116 1,2-Dichlorobenzene	146		9.024				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.699				ND	
119 1,2,4-Trichlorobenzene	180		10.344				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_Surr_00089

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_IS_00083

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40311.D

Injection Date: 24-Jul-2014 14:22:30

Instrument ID: HP5973S

Operator ID: CN

Lims ID: 480-63953-B-4

Lab Sample ID: 480-63953-4

Worklist Smp#: 14

Client ID: MW-8R

Purge Vol: 5.000 mL

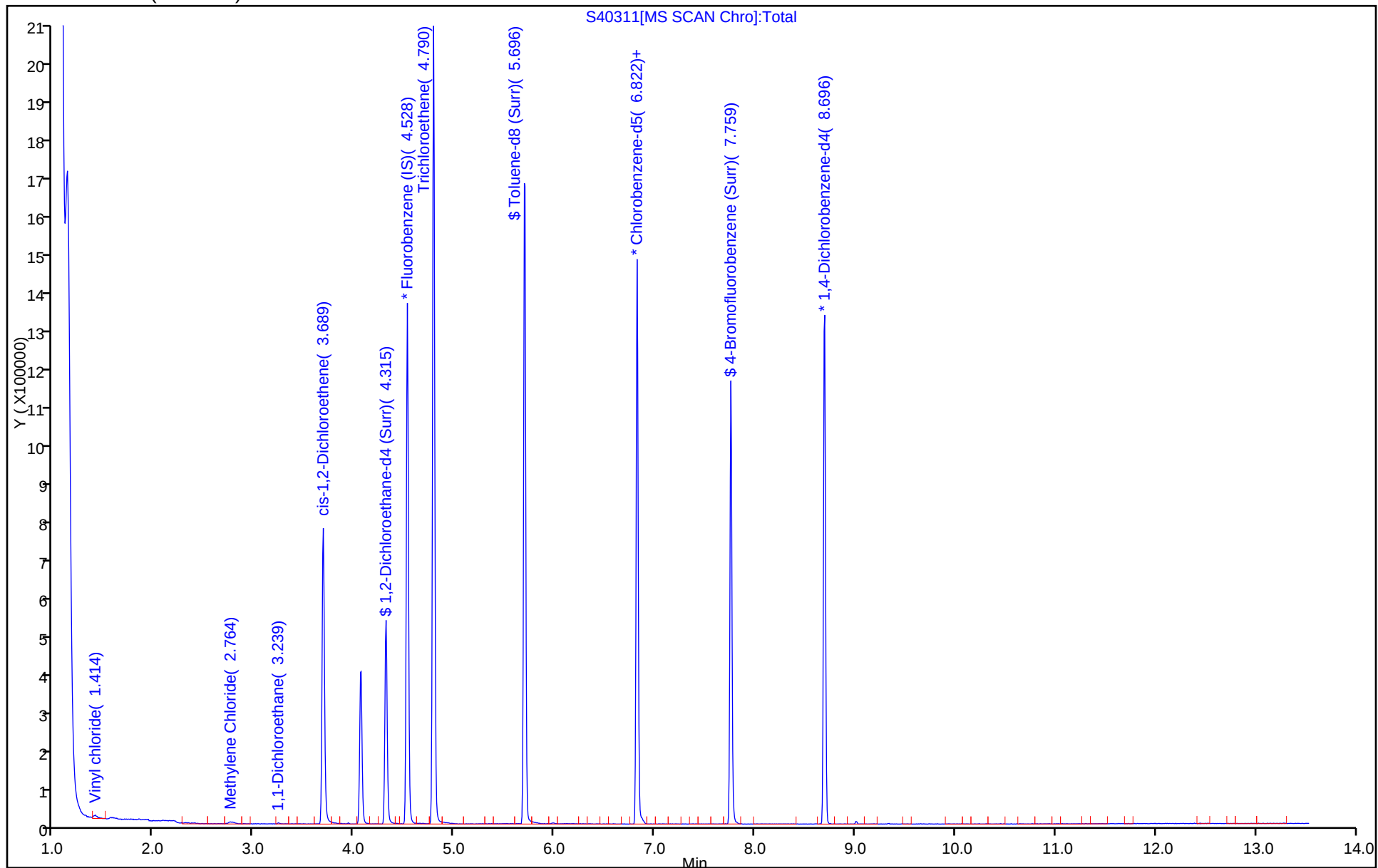
Dil. Factor: 2000.0000

ALS Bottle#: 69

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40311.D

Injection Date: 24-Jul-2014 14:22:30

Instrument ID: HP5973S

Lims ID: 480-63953-B-4

Lab Sample ID: 480-63953-4

Client ID: MW-8R

Operator ID: CN

ALS Bottle#: 69

Worklist Smp#: 14

Purge Vol: 5.000 mL

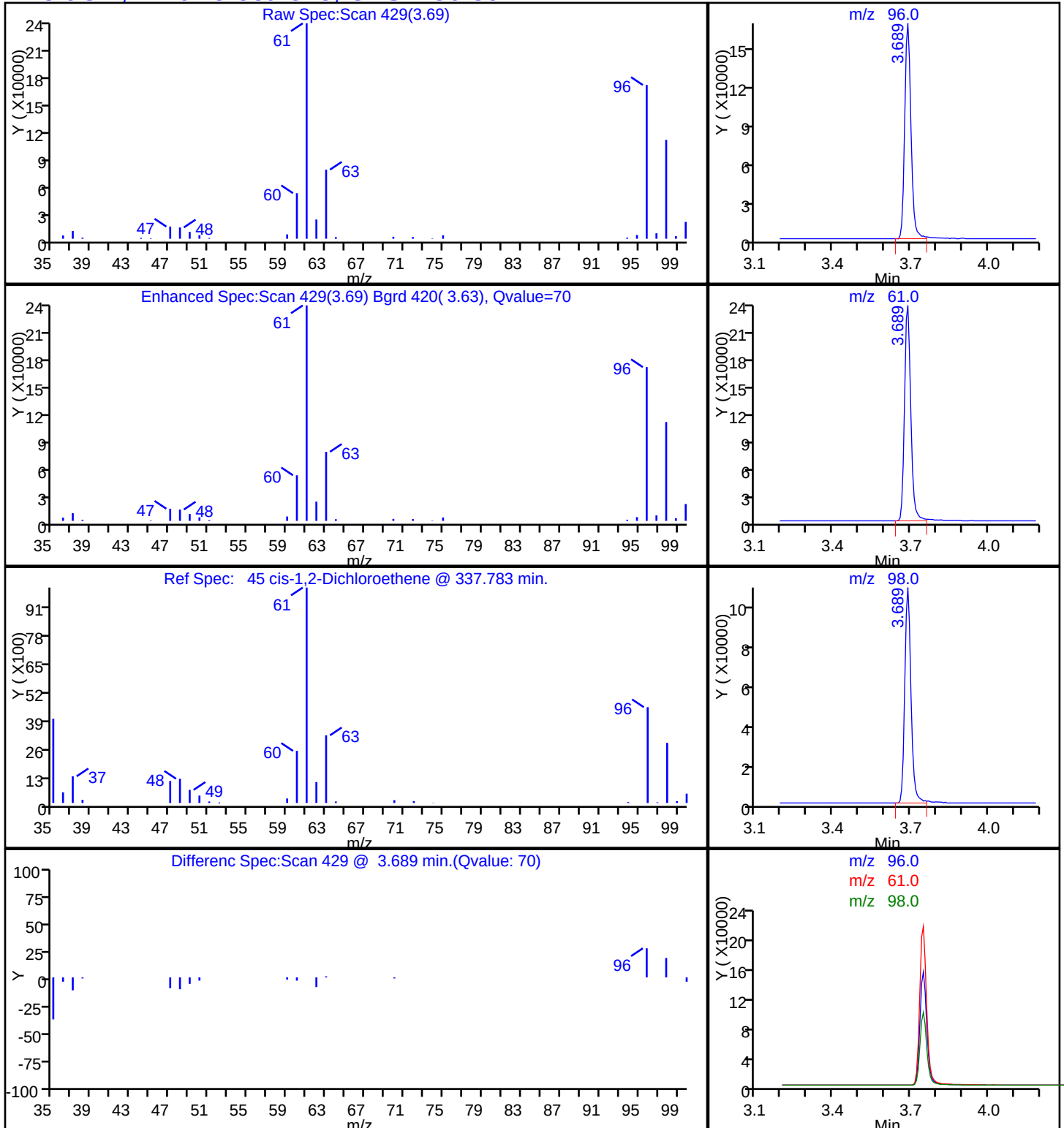
Dil. Factor: 2000.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40311.D

Injection Date: 24-Jul-2014 14:22:30

Instrument ID: HP5973S

Lims ID: 480-63953-B-4

Lab Sample ID: 480-63953-4

Client ID: MW-8R

Operator ID: CN

ALS Bottle#: 69

Worklist Smp#: 14

Purge Vol: 5.000 mL

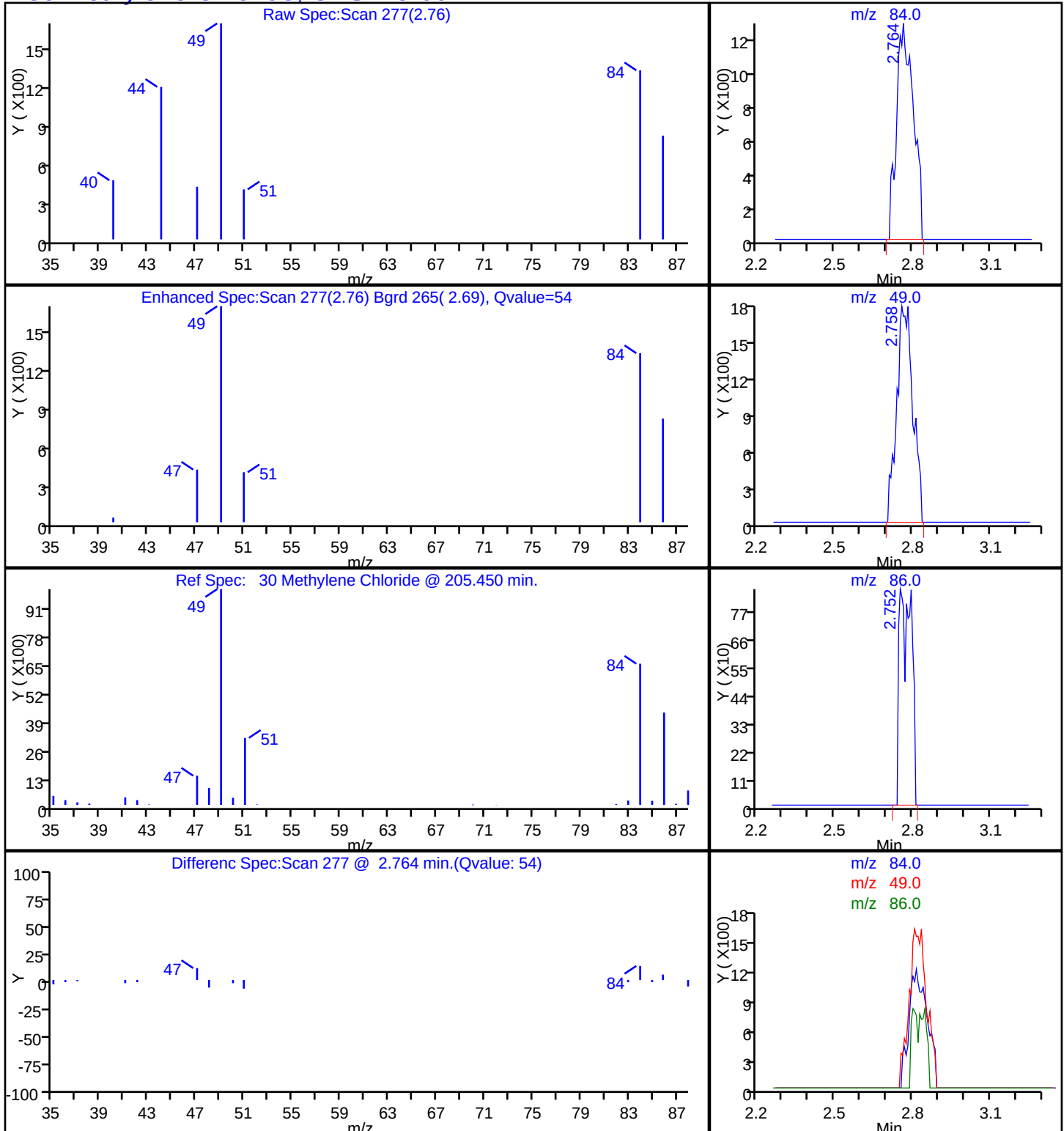
Dil. Factor: 2000.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40311.D

Injection Date: 24-Jul-2014 14:22:30

Instrument ID: HP5973S

Lims ID: 480-63953-B-4

Lab Sample ID: 480-63953-4

Client ID: MW-8R

Operator ID: CN

ALS Bottle#: 69

Worklist Smp#: 14

Purge Vol: 5.000 mL

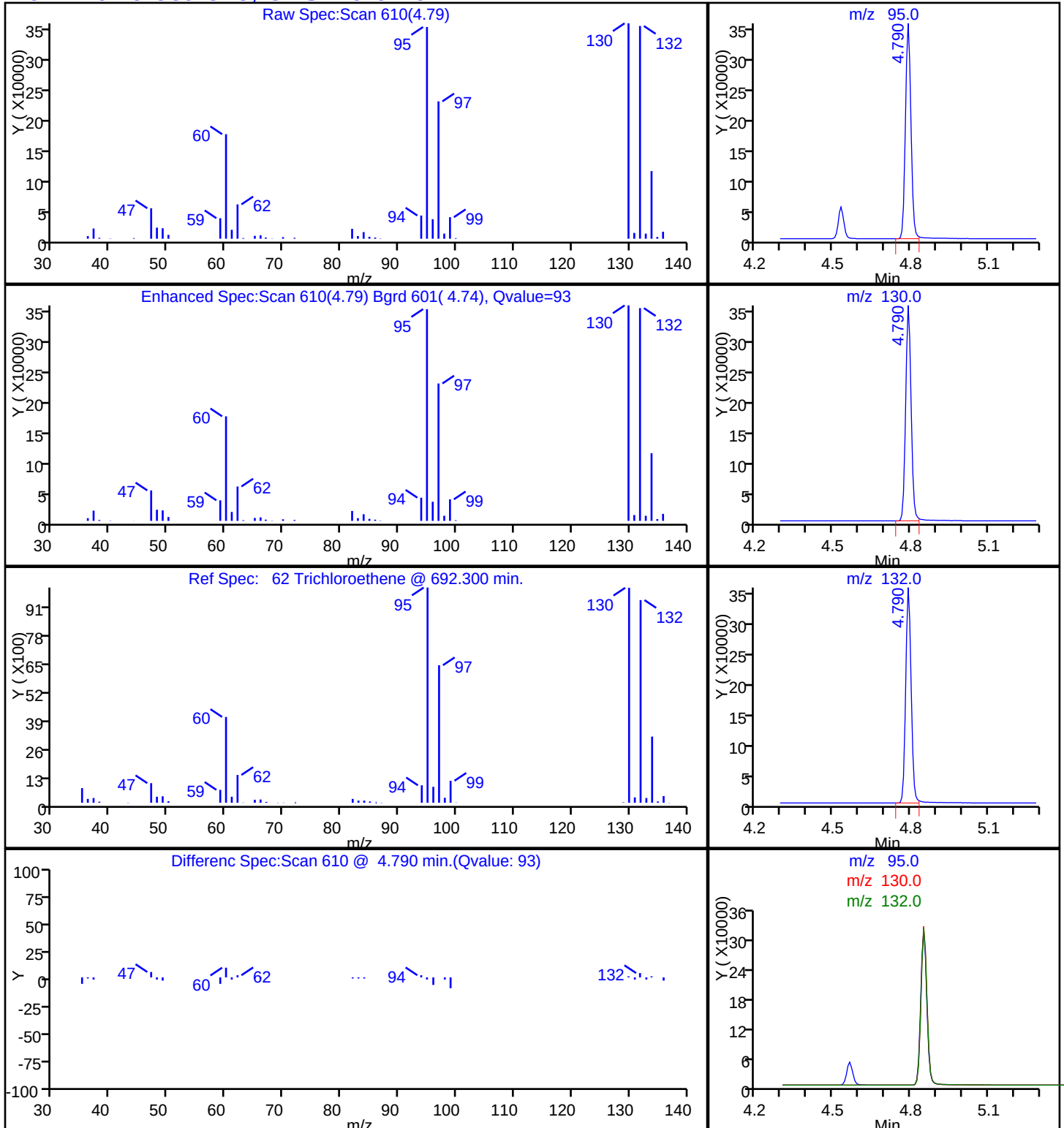
Dil. Factor: 2000.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40311.D

Injection Date: 24-Jul-2014 14:22:30

Instrument ID: HP5973S

Lims ID: 480-63953-B-4

Lab Sample ID: 480-63953-4

Client ID: MW-8R

Operator ID: CN

ALS Bottle#: 69

Worklist Smp#: 14

Purge Vol: 5.000 mL

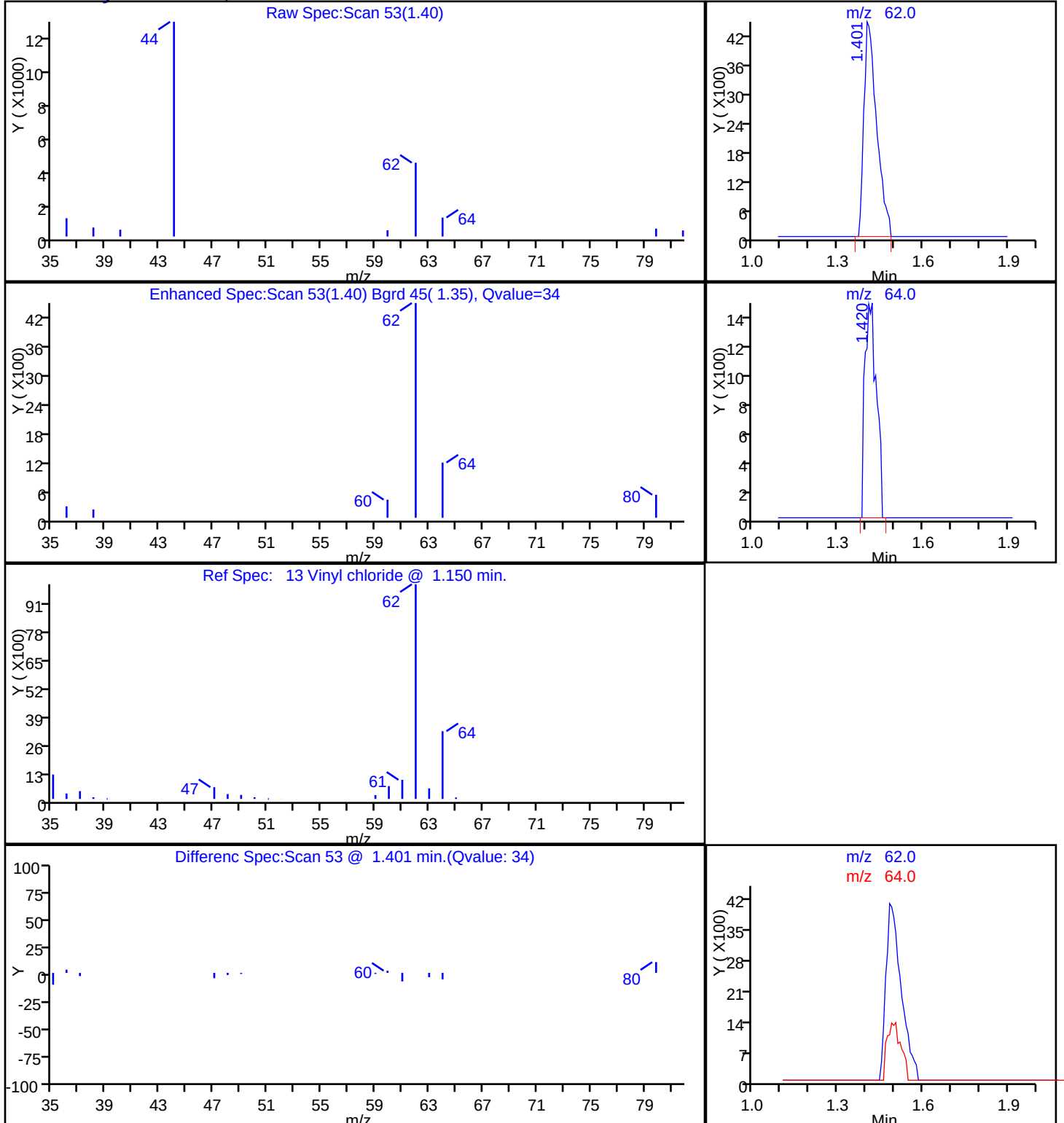
Dil. Factor: 2000.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: MW-10 Lab Sample ID: 480-63953-5

Matrix: Ground Water Lab File ID: S40292.D

Analysis Method: 8260C Date Collected: 07/17/2014 11:00

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 17:53

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 194301 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.: 480-63953-1
 SDG No.: _____
 Client Sample ID: MW-10 Lab Sample ID: 480-63953-5
 Matrix: Ground Water Lab File ID: S40292.D
 Analysis Method: 8260C Date Collected: 07/17/2014 11:00
 Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 17:53
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40292.D
 Lims ID: 480-63953-A-5 Lab Sample ID: 480-63953-5
 Client ID: MW-10
 Sample Type: Client
 Inject. Date: 23-Jul-2014 17:53:30 ALS Bottle#: 50 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-63953-A-5
 Misc. Info.: 480-0034014-025480-0034014-025
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jul-2014 16:59:18 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: manc

Date: 24-Jul-2014 16:59:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	186449	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	361996	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	95	295449	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	154942	25.5	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.696	0.000	93	862187	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	85	252027	23.0	
10 Dichlorodifluoromethane	85		1.188				ND	
12 Chloromethane	50		1.316				ND	
13 Vinyl chloride	62		1.407				ND	
14 Bromomethane	94		1.645				ND	
15 Chloroethane	64		1.736				ND	
17 Trichlorofluoromethane	101		1.894				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.302				ND	
22 1,1-Dichloroethene	96		2.320				ND	
23 Acetone	43		2.387				ND	
26 Carbon disulfide	76		2.484				ND	
27 Methyl acetate	43		2.624				ND	
30 Methylene Chloride	84		2.758				ND	
32 Methyl tert-butyl ether	73		2.880				ND	
34 trans-1,2-Dichloroethene	96		2.892				ND	
39 1,1-Dichloroethane	63		3.239				ND	
45 cis-1,2-Dichloroethene	96		3.683				ND	
43 2-Butanone (MEK)	43		3.725				ND	
50 Chloroform	83		3.932				ND	
51 1,1,1-Trichloroethane	97		4.029				ND	
52 Cyclohexane	56		4.036				ND	
55 Carbon tetrachloride	117		4.139				ND	
57 Benzene	78		4.315				ND	
58 1,2-Dichloroethane	62		4.370				ND	
1 1,4-Difluorobenzene	114		4.614				ND	
62 Trichloroethene	95		4.790				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		4.881				ND	
65 1,2-Dichloropropane	63		4.985				ND	
68 Dichlorobromomethane	83		5.204				ND	
72 cis-1,3-Dichloropropene	75		5.526				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.642				ND	
74 Toluene	92		5.751				ND	
77 trans-1,3-Dichloropropene	75		5.958				ND	
79 1,1,2-Trichloroethane	83		6.104				ND	
81 Tetrachloroethene	166		6.147				ND	
80 2-Hexanone	43		6.280				ND	
83 Chlorodibromomethane	129		6.408				ND	
84 Ethylene Dibromide	107		6.493				ND	
87 Chlorobenzene	112		6.846				ND	
88 Ethylbenzene	91		6.913				ND	
90 m-Xylene & p-Xylene	106		7.004				ND	
91 o-Xylene	106		7.321				ND	
92 Styrene	104		7.345				ND	
95 Bromoform	173		7.534				ND	
94 Isopropylbenzene	105		7.607				ND	
97 1,1,2,2-Tetrachloroethane	83		7.917				ND	
111 1,3-Dichlorobenzene	146		8.641				ND	
113 1,4-Dichlorobenzene	146		8.714				ND	
116 1,2-Dichlorobenzene	146		9.024				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.699				ND	
119 1,2,4-Trichlorobenzene	180		10.344				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_Surr_00089

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_IS_00083

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40292.D

Injection Date: 23-Jul-2014 17:53:30

Instrument ID: HP5973S

Operator ID: CN

Lims ID: 480-63953-A-5

Lab Sample ID: 480-63953-5

Worklist Smp#: 25

Client ID: MW-10

Purge Vol: 5.000 mL

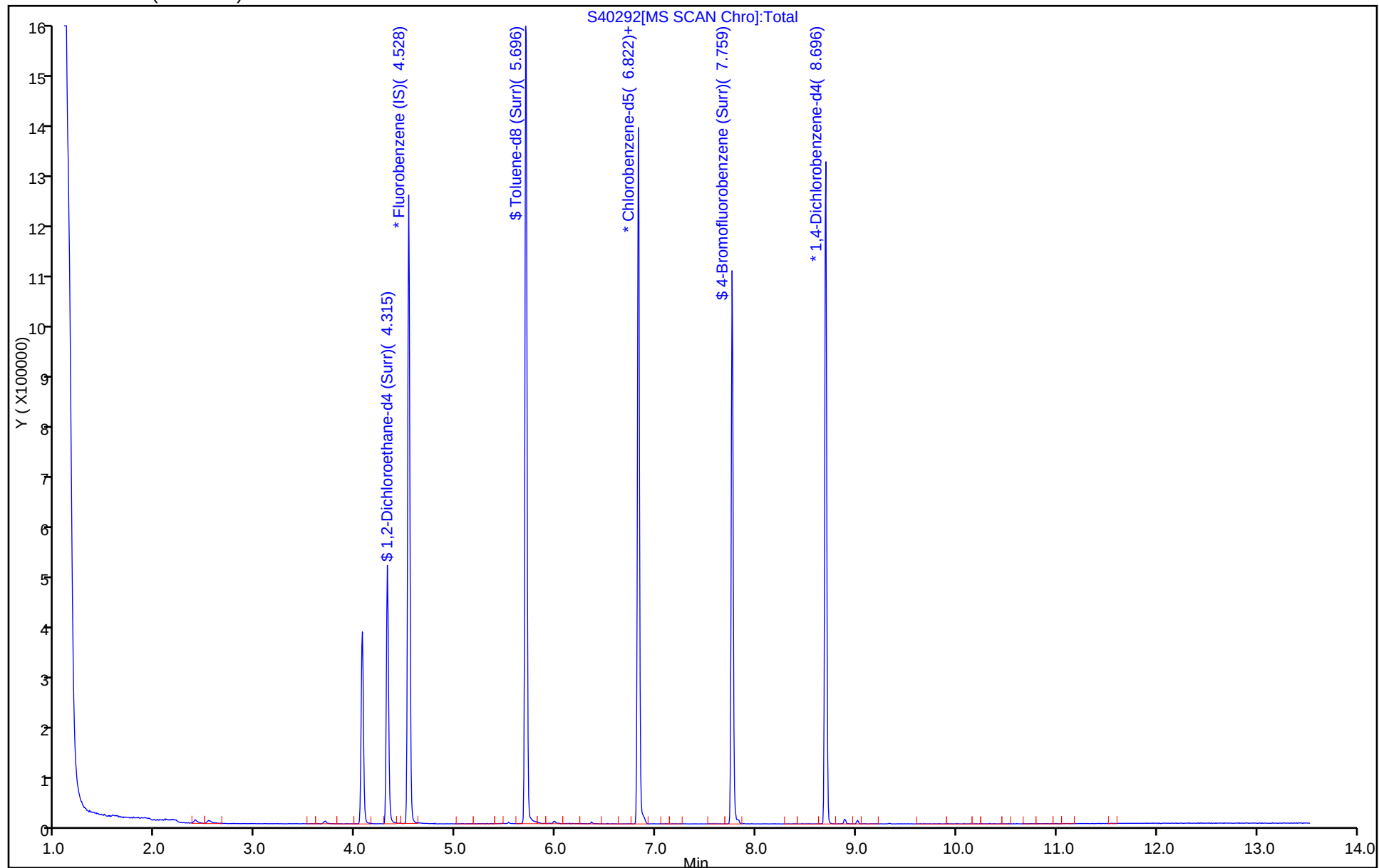
Dil. Factor: 1.0000

ALS Bottle#: 50

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: MW-11 Lab Sample ID: 480-63953-6

Matrix: Ground Water Lab File ID: S40293.D

Analysis Method: 8260C Date Collected: 07/16/2014 16:25

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 18:16

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.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.4		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	8.8		1.0	0.38
75-35-4	1,1-Dichloroethene	0.56	J	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	4.5		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	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.: 480-63953-1
 SDG No.: _____
 Client Sample ID: MW-11 Lab Sample ID: 480-63953-6
 Matrix: Ground Water Lab File ID: S40293.D
 Analysis Method: 8260C Date Collected: 07/16/2014 16:25
 Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 18:16
 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.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	14		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40293.D
 Lims ID: 480-63953-A-6 Lab Sample ID: 480-63953-6
 Client ID: MW-11
 Sample Type: Client
 Inject. Date: 23-Jul-2014 18:16:30 ALS Bottle#: 51 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-63953-A-6
 Misc. Info.: 480-0034014-026480-0034014-026
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Aug-2014 07:17:56 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: gigliad

Date: 07-Aug-2014 07:17:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	190626	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	367402	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	96	293788	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.316	4.315	0.001	0	162633	26.1	
\$ 5 Toluene-d8 (Surr)	98	5.697	5.696	0.000	93	871436	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	85	256193	23.0	
10 Dichlorodifluoromethane	85		1.188				ND	
12 Chloromethane	50		1.316				ND	
13 Vinyl chloride	62	1.408	1.407	0.001	83	170235	13.9	
14 Bromomethane	94		1.645				ND	
15 Chloroethane	64	1.742	1.736	0.006	78	32750	4.48	
17 Trichlorofluoromethane	101		1.894				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.302				ND	
22 1,1-Dichloroethene	96	2.332	2.320	0.012	51	5740	0.5584	
23 Acetone	43		2.387				ND	
26 Carbon disulfide	76		2.484				ND	
27 Methyl acetate	43		2.624				ND	
30 Methylene Chloride	84		2.758				ND	
32 Methyl tert-butyl ether	73		2.880				ND	
34 trans-1,2-Dichloroethene	96		2.892				ND	
39 1,1-Dichloroethane	63	3.239	3.239	0.000	86	142320	8.83	
45 cis-1,2-Dichloroethene	96	3.689	3.683	0.006	70	373141	35.9	
43 2-Butanone (MEK)	43		3.725				ND	
50 Chloroform	83		3.932				ND	
51 1,1,1-Trichloroethane	97	4.036	4.029	0.007	44	6815	1.43	
52 Cyclohexane	56		4.036				ND	
55 Carbon tetrachloride	117		4.139				ND	
57 Benzene	78		4.315				ND	
58 1,2-Dichloroethane	62		4.370				ND	
1 1,4-Difluorobenzene	114		4.614				ND	
62 Trichloroethene	95	4.790	4.790	0.000	48	2052	0.2102	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		4.881				ND	
65 1,2-Dichloropropane	63		4.985				ND	
68 Dichlorobromomethane	83		5.204				ND	
72 cis-1,3-Dichloropropene	75		5.526				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.642				ND	
74 Toluene	92		5.751				ND	
77 trans-1,3-Dichloropropene	75		5.958				ND	
79 1,1,2-Trichloroethane	83		6.104				ND	
81 Tetrachloroethene	166		6.147				ND	
80 2-Hexanone	43		6.280				ND	
83 Chlorodibromomethane	129		6.408				ND	
84 Ethylene Dibromide	107		6.493				ND	
87 Chlorobenzene	112		6.846				ND	
88 Ethylbenzene	91		6.913				ND	
90 m-Xylene & p-Xylene	106		7.004				ND	
91 o-Xylene	106		7.321				ND	
92 Styrene	104		7.345				ND	
95 Bromoform	173		7.534				ND	
94 Isopropylbenzene	105		7.607				ND	
97 1,1,2,2-Tetrachloroethane	83		7.917				ND	
111 1,3-Dichlorobenzene	146		8.641				ND	
113 1,4-Dichlorobenzene	146		8.714				ND	
116 1,2-Dichlorobenzene	146		9.024				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.699				ND	
119 1,2,4-Trichlorobenzene	180		10.344				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_Surr_00089

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_IS_00083

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40293.D

Injection Date: 23-Jul-2014 18:16:30

Instrument ID: HP5973S

Operator ID: CN

Lims ID: 480-63953-A-6

Lab Sample ID: 480-63953-6

Worklist Smp#: 26

Client ID: MW-11

Purge Vol: 5.000 mL

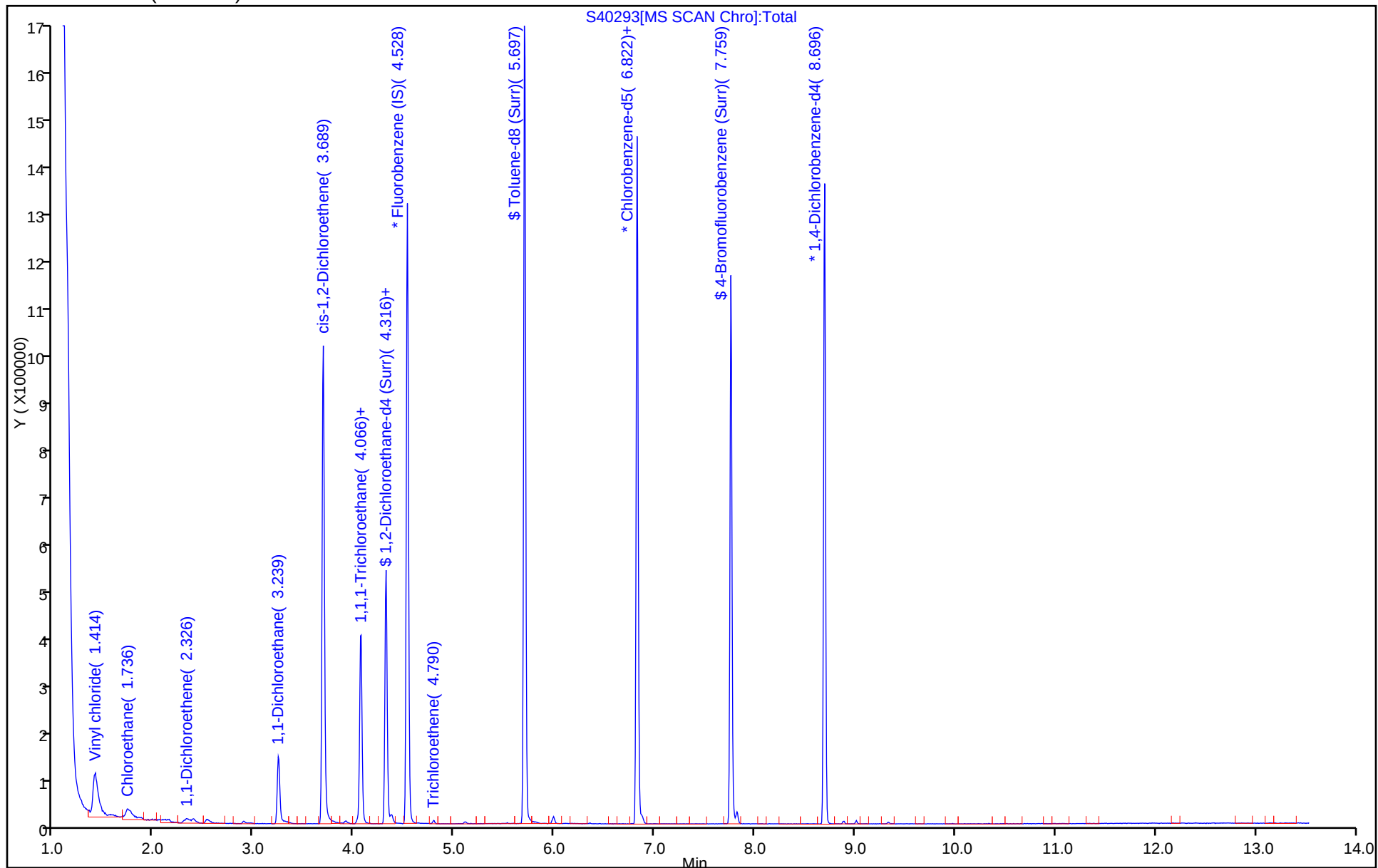
Dil. Factor: 1.0000

ALS Bottle#: 51

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40293.D

Injection Date: 23-Jul-2014 18:16:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-6

Lab Sample ID: 480-63953-6

Client ID: MW-11

Operator ID: CN

ALS Bottle#: 51

Worklist Smp#: 26

Purge Vol: 5.000 mL

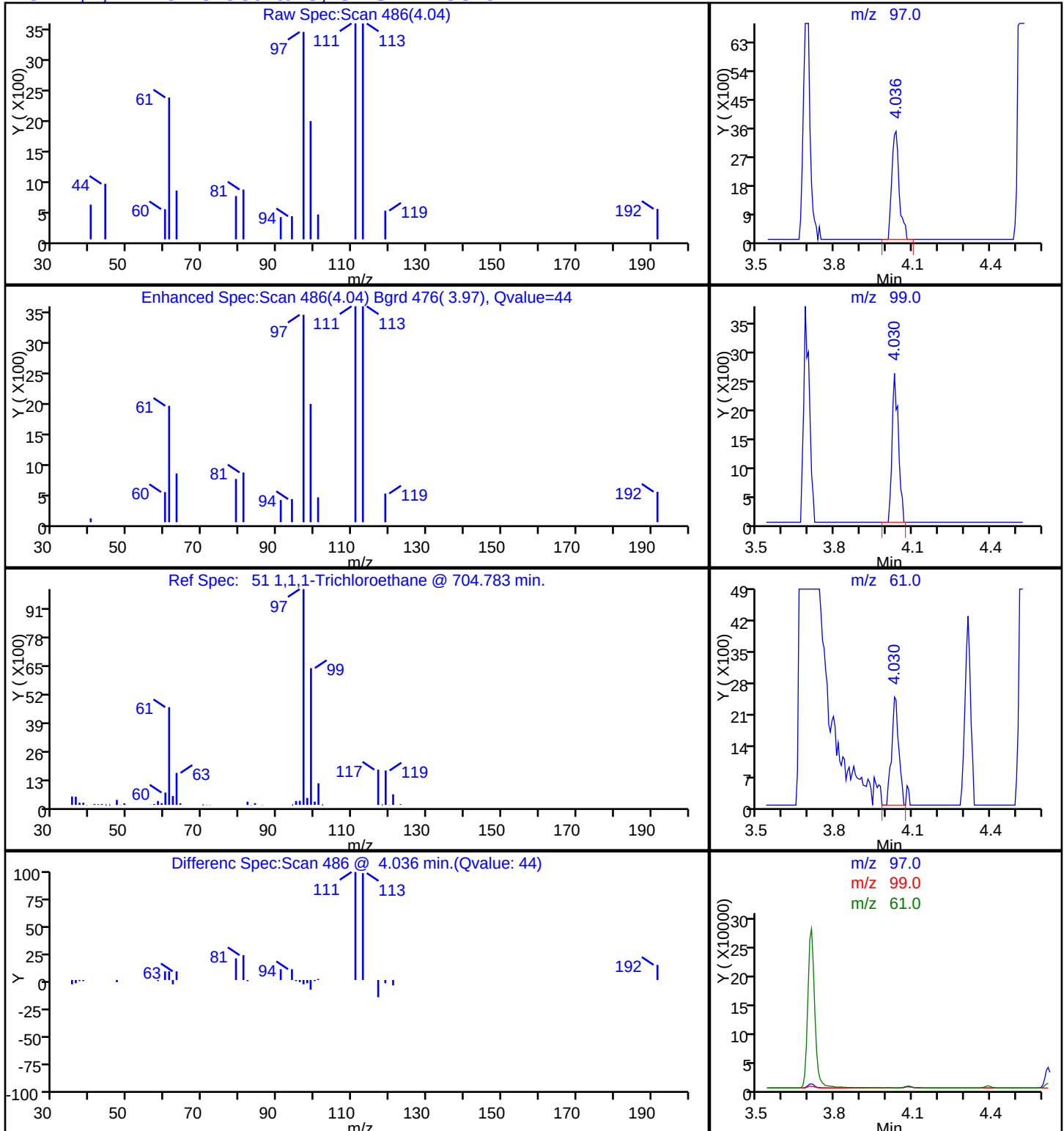
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40293.D

Injection Date: 23-Jul-2014 18:16:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-6

Lab Sample ID: 480-63953-6

Client ID: MW-11

Operator ID: CN

ALS Bottle#: 51

Worklist Smp#: 26

Purge Vol: 5.000 mL

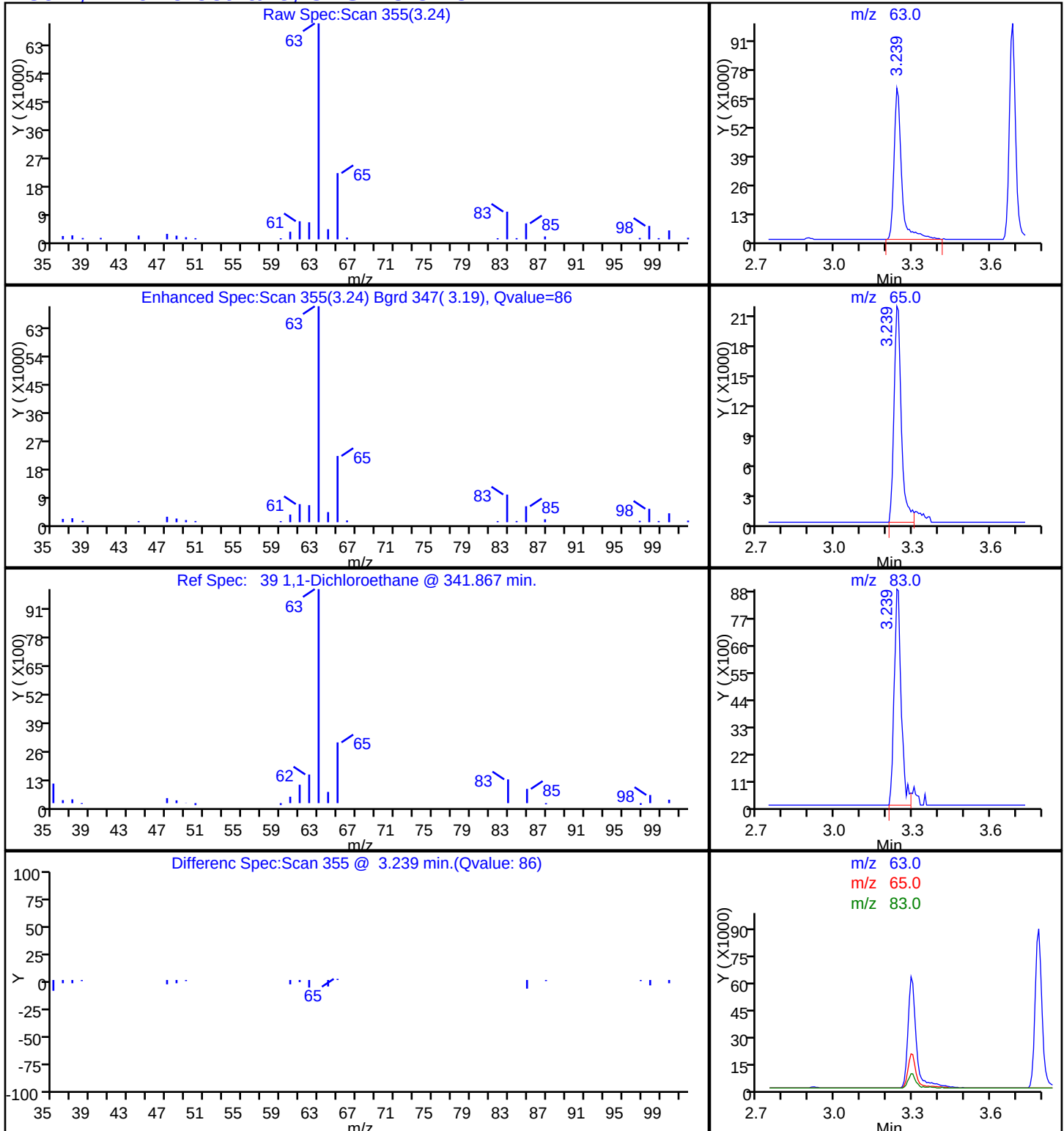
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

39 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\Bufchrom\\ChromData\\HP5973S\\20140723-34014.b\\S40293.D

Injection Date: 23-Jul-2014 18:16:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-6

Lab Sample ID: 480-63953-6

Client ID: MW-11

Operator ID: CN

ALS Bottle#: 51

Worklist Smp#: 26

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

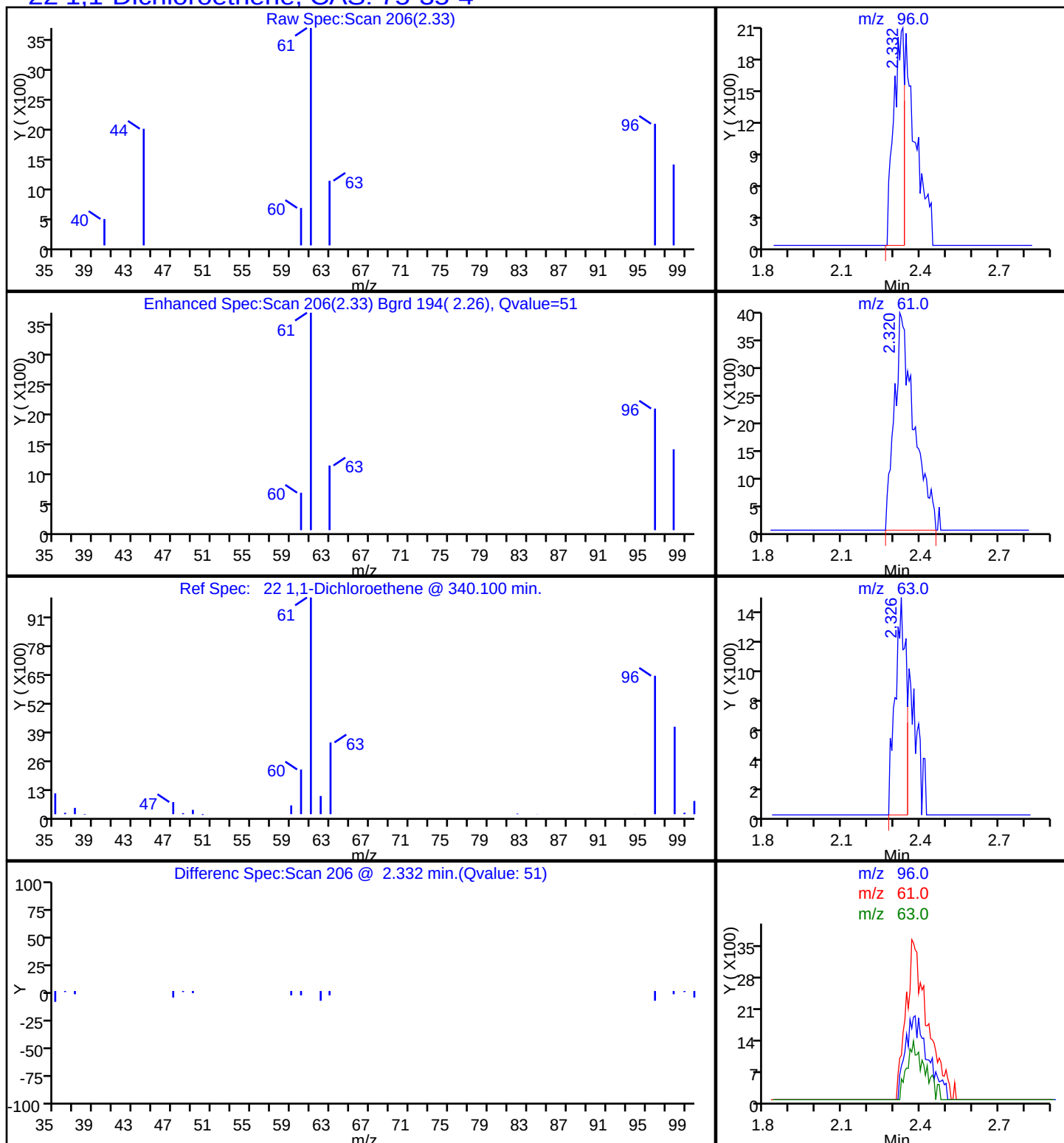
Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector MS SCAN

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



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40293.D

Injection Date: 23-Jul-2014 18:16:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-6

Lab Sample ID: 480-63953-6

Client ID: MW-11

Operator ID: CN

ALS Bottle#: 51

Worklist Smp#: 26

Purge Vol: 5.000 mL

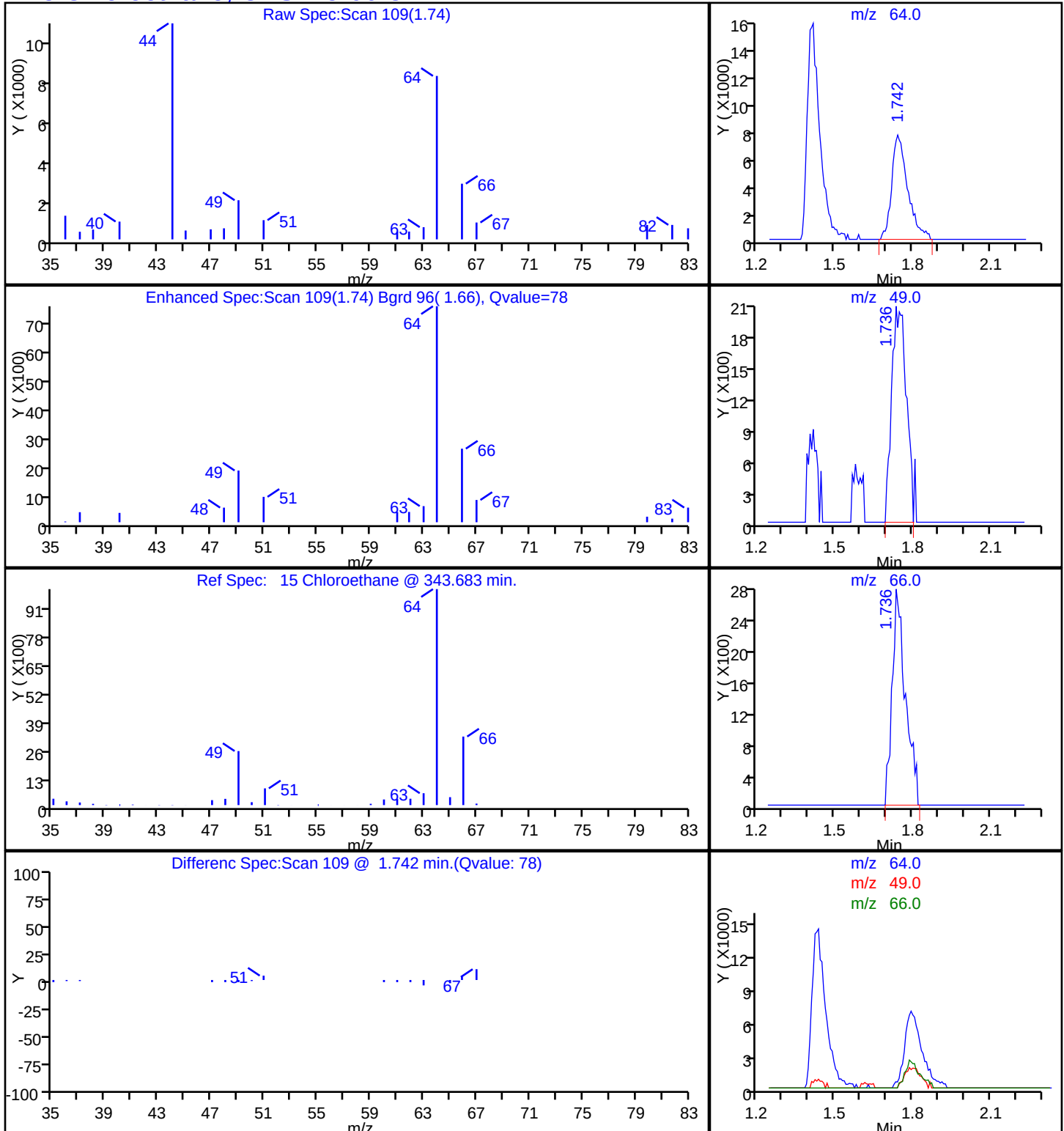
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40293.D

Injection Date: 23-Jul-2014 18:16:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-6

Lab Sample ID: 480-63953-6

Client ID: MW-11

Operator ID: CN

ALS Bottle#: 51

Worklist Smp#: 26

Purge Vol: 5.000 mL

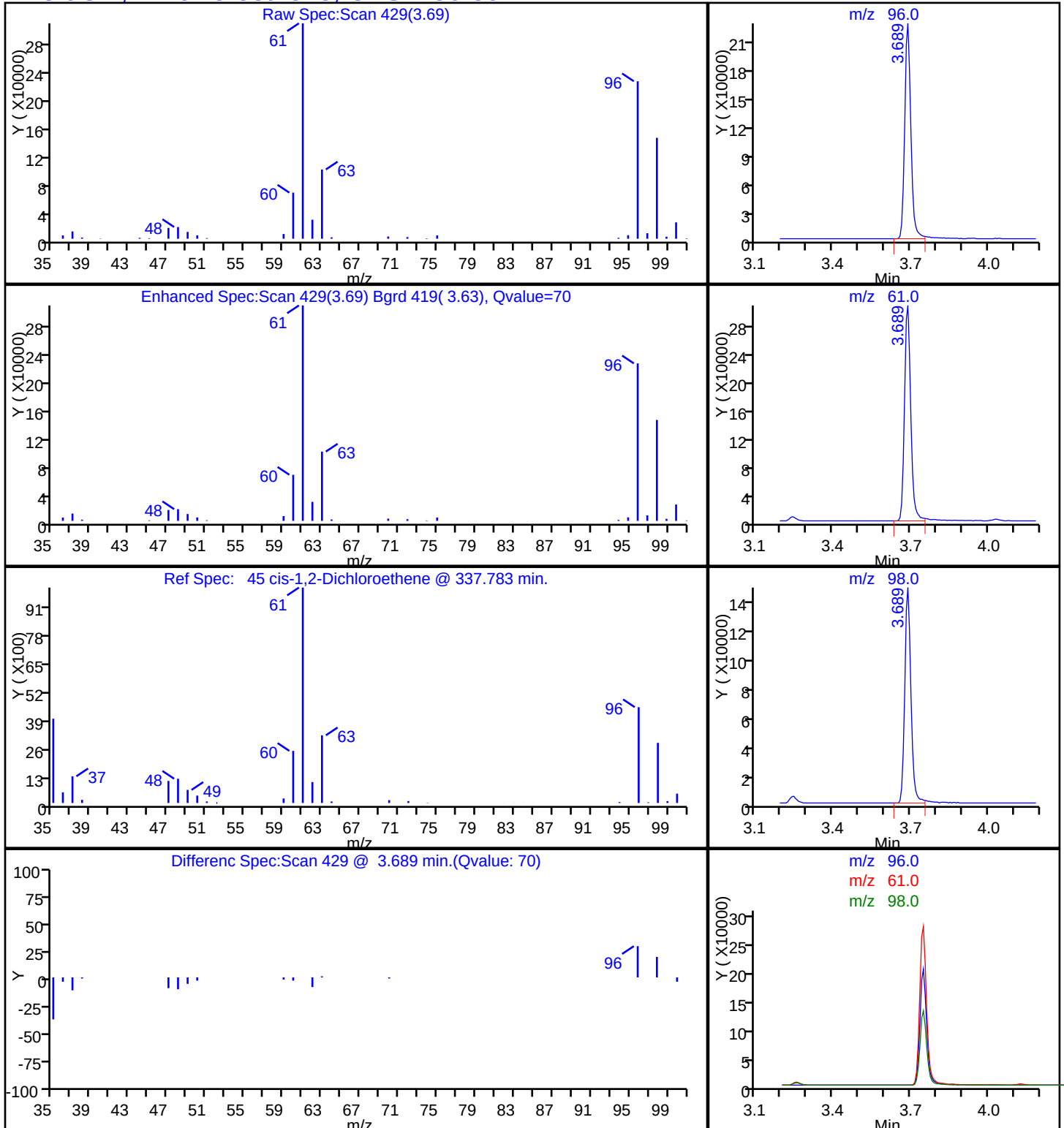
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40293.D

Injection Date: 23-Jul-2014 18:16:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-6

Lab Sample ID: 480-63953-6

Client ID: MW-11

Operator ID: CN

ALS Bottle#: 51

Worklist Smp#: 26

Purge Vol: 5.000 mL

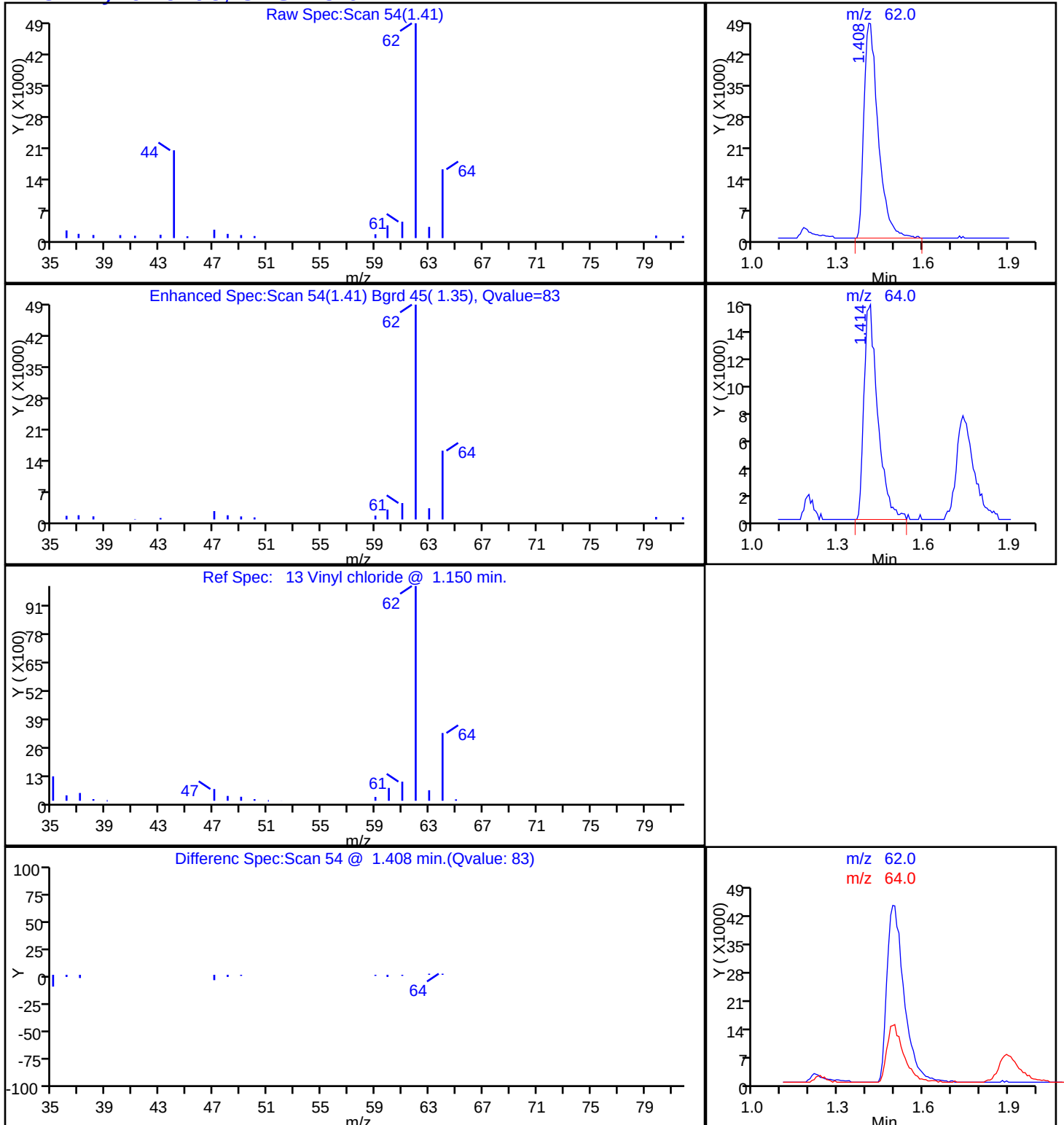
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: MW-12 Lab Sample ID: 480-63953-7

Matrix: Ground Water Lab File ID: S40294.D

Analysis Method: 8260C Date Collected: 07/17/2014 11:40

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 18:38

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 194301 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	4.1	J	10	3.0
71-43-2	Benzene	0.92	J	1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	9.4		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.: 480-63953-1
 SDG No.: _____
 Client Sample ID: MW-12 Lab Sample ID: 480-63953-7
 Matrix: Ground Water Lab File ID: S40294.D
 Analysis Method: 8260C Date Collected: 07/17/2014 11:40
 Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 18:38
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	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	3.3		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	101		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40294.D
 Lims ID: 480-63953-A-7 Lab Sample ID: 480-63953-7
 Client ID: MW-12
 Sample Type: Client
 Inject. Date: 23-Jul-2014 18:38:30 ALS Bottle#: 52 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-63953-A-7
 Misc. Info.: 480-0034014-027480-0034014-027
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jul-2014 16:59:59 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: manc

Date: 24-Jul-2014 16:59:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	187322	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	361241	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.695	8.696	-0.001	95	299400	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	156357	25.6	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.696	0.000	93	866580	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	86	250875	22.9	
10 Dichlorodifluoromethane	85		1.188				ND	
12 Chloromethane	50		1.316				ND	
13 Vinyl chloride	62	1.407	1.407	0.000	66	39134	3.26	
14 Bromomethane	94		1.645				ND	
15 Chloroethane	64	1.742	1.736	0.006	92	67556	9.40	
17 Trichlorofluoromethane	101		1.894				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.302				ND	
22 1,1-Dichloroethene	96		2.320				ND	
23 Acetone	43	2.393	2.387	0.006	90	19941	4.13	
26 Carbon disulfide	76		2.484				ND	
27 Methyl acetate	43		2.624				ND	
30 Methylene Chloride	84		2.758				ND	
32 Methyl tert-butyl ether	73		2.880				ND	
34 trans-1,2-Dichloroethene	96		2.892				ND	
39 1,1-Dichloroethane	63		3.239				ND	
45 cis-1,2-Dichloroethene	96		3.683				ND	
43 2-Butanone (MEK)	43		3.725				ND	
50 Chloroform	83		3.932				ND	
51 1,1,1-Trichloroethane	97		4.029				ND	
52 Cyclohexane	56		4.036				ND	
55 Carbon tetrachloride	117		4.139				ND	
57 Benzene	78	4.315	4.315	0.000	42	37530	0.9156	
58 1,2-Dichloroethane	62		4.370				ND	
1 1,4-Difluorobenzene	114		4.614				ND	
62 Trichloroethene	95		4.790				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		4.881				ND	
65 1,2-Dichloropropane	63		4.985				ND	
68 Dichlorobromomethane	83		5.204				ND	
72 cis-1,3-Dichloropropene	75		5.526				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.642				ND	
74 Toluene	92		5.751				ND	
77 trans-1,3-Dichloropropene	75		5.958				ND	
79 1,1,2-Trichloroethane	83		6.104				ND	
81 Tetrachloroethene	166		6.147				ND	
80 2-Hexanone	43		6.280				ND	
83 Chlorodibromomethane	129		6.408				ND	
84 Ethylene Dibromide	107		6.493				ND	
87 Chlorobenzene	112		6.846				ND	
88 Ethylbenzene	91		6.913				ND	
90 m-Xylene & p-Xylene	106		7.004				ND	
91 o-Xylene	106		7.321				ND	
92 Styrene	104		7.345				ND	
95 Bromoform	173		7.534				ND	
94 Isopropylbenzene	105		7.607				ND	
97 1,1,2,2-Tetrachloroethane	83		7.917				ND	
111 1,3-Dichlorobenzene	146		8.641				ND	
113 1,4-Dichlorobenzene	146		8.714				ND	
116 1,2-Dichlorobenzene	146		9.024				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.699				ND	
119 1,2,4-Trichlorobenzene	180		10.344				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_Surr_00089

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_IS_00083

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40294.D

Injection Date: 23-Jul-2014 18:38:30

Instrument ID: HP5973S

Operator ID: CN

Lims ID: 480-63953-A-7

Lab Sample ID: 480-63953-7

Worklist Smp#: 27

Client ID: MW-12

Purge Vol: 5.000 mL

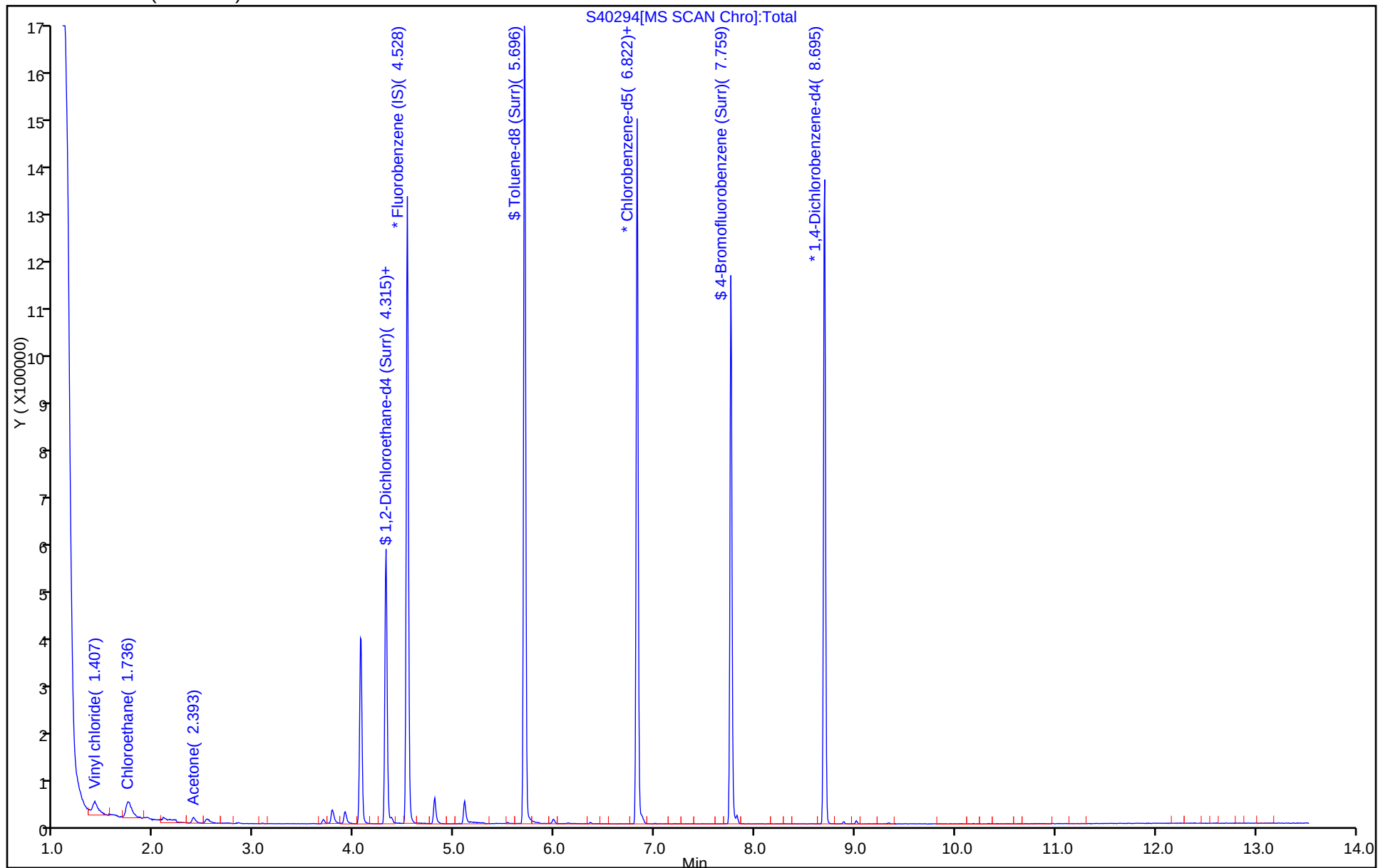
Dil. Factor: 1.0000

ALS Bottle#: 52

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Data File: \\Bufchrom\\ChromData\\HP5973S\\20140723-34014.b\\S40294.D

Instrument ID: HP5973S

Lab Sample ID: 480-63953-7

Operator ID: CN

ALS Bottle#: 52

Worklist Smp#: 27

Dil. Factor: 1.0000

Limit Group: MV - 8260C ICAL

Detector MS SCAN

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40294.D

Injection Date: 23-Jul-2014 18:38:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-7

Lab Sample ID: 480-63953-7

Client ID: MW-12

Operator ID: CN

ALS Bottle#: 52

Worklist Smp#: 27

Purge Vol: 5.000 mL

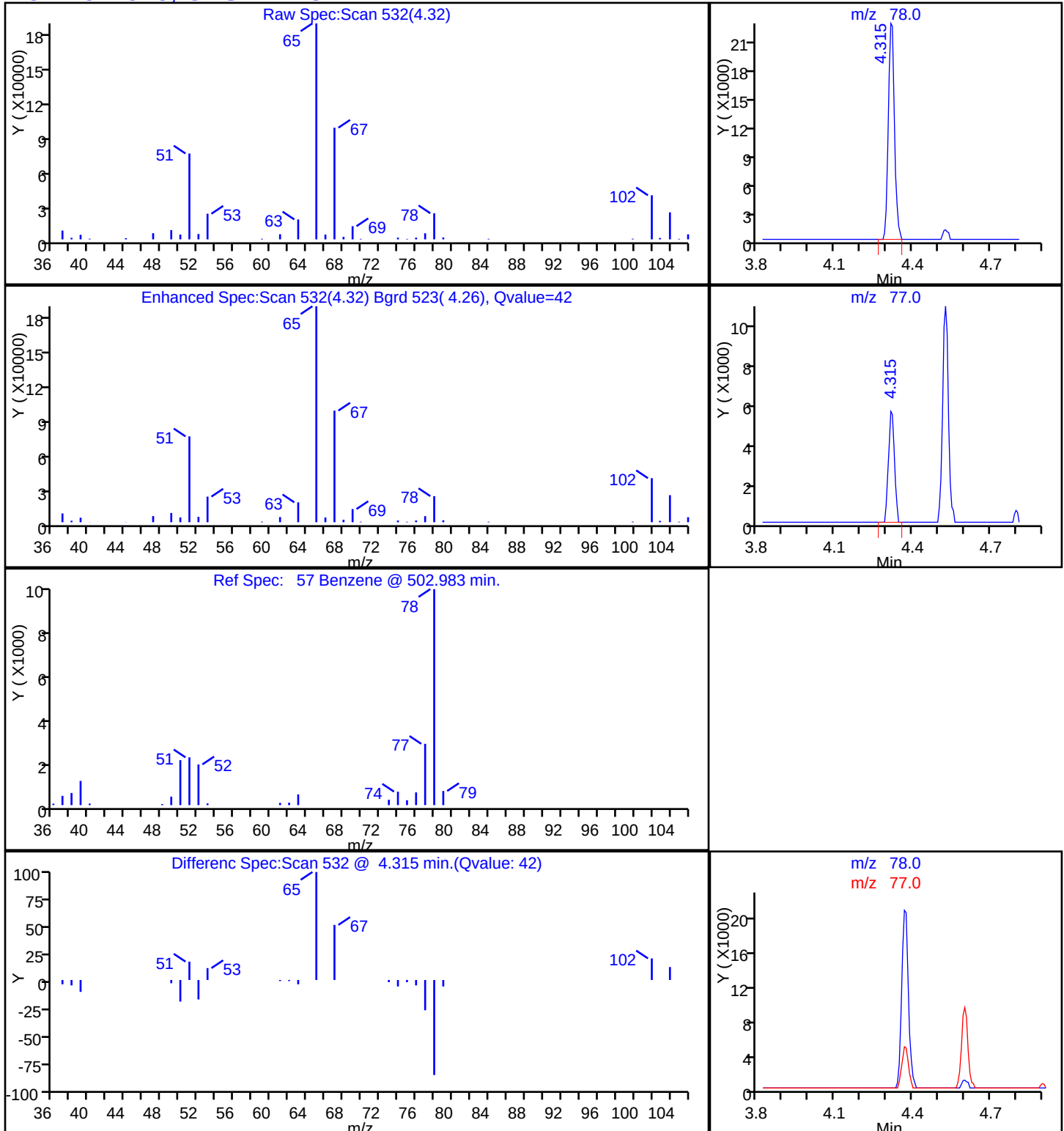
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40294.D

Injection Date: 23-Jul-2014 18:38:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-7

Lab Sample ID: 480-63953-7

Client ID: MW-12

Operator ID: CN

ALS Bottle#: 52

Worklist Smp#: 27

Purge Vol: 5.000 mL

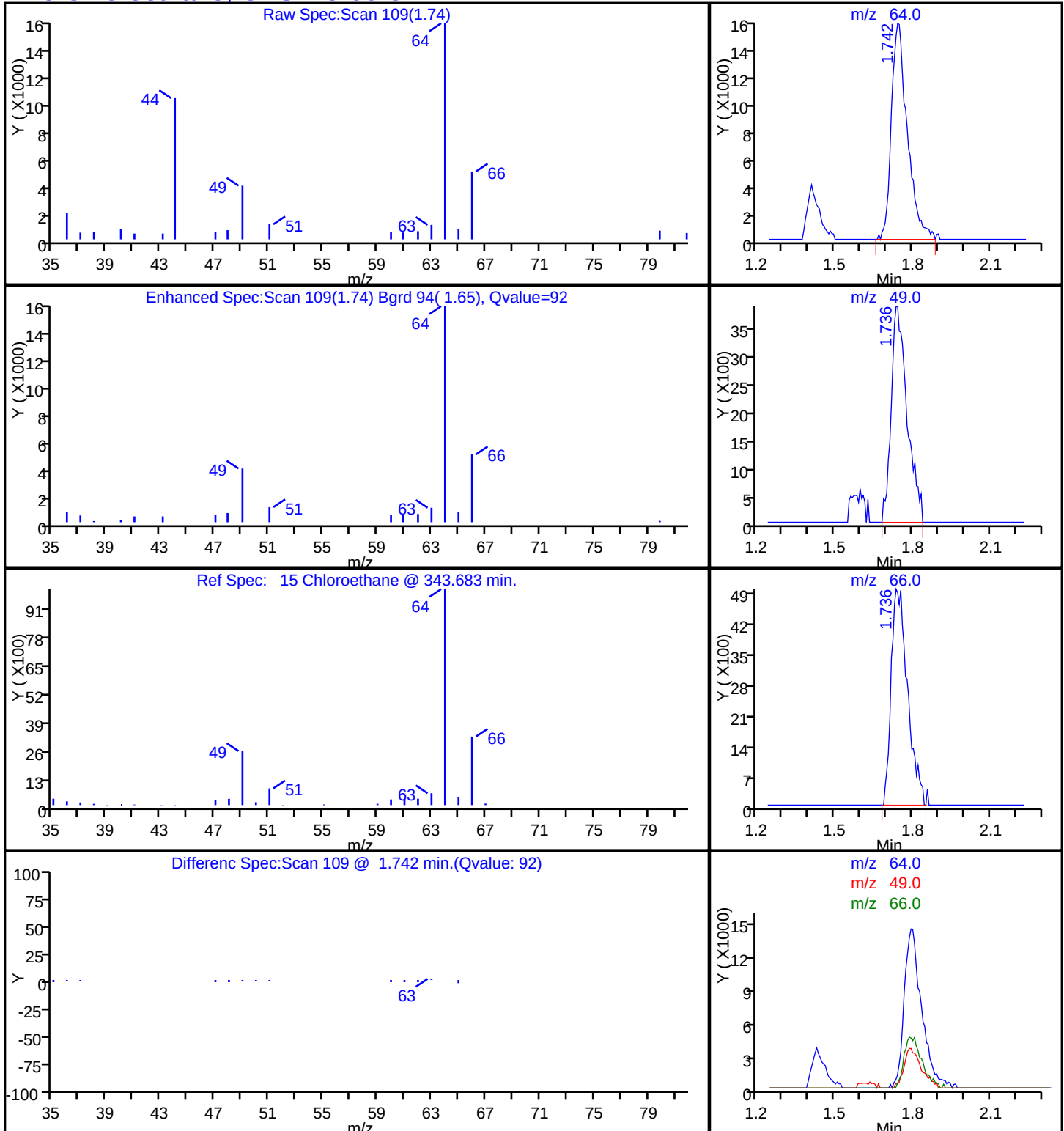
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40294.D

Injection Date: 23-Jul-2014 18:38:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-7

Lab Sample ID: 480-63953-7

Client ID: MW-12

Operator ID: CN

ALS Bottle#: 52

Worklist Smp#: 27

Purge Vol: 5.000 mL

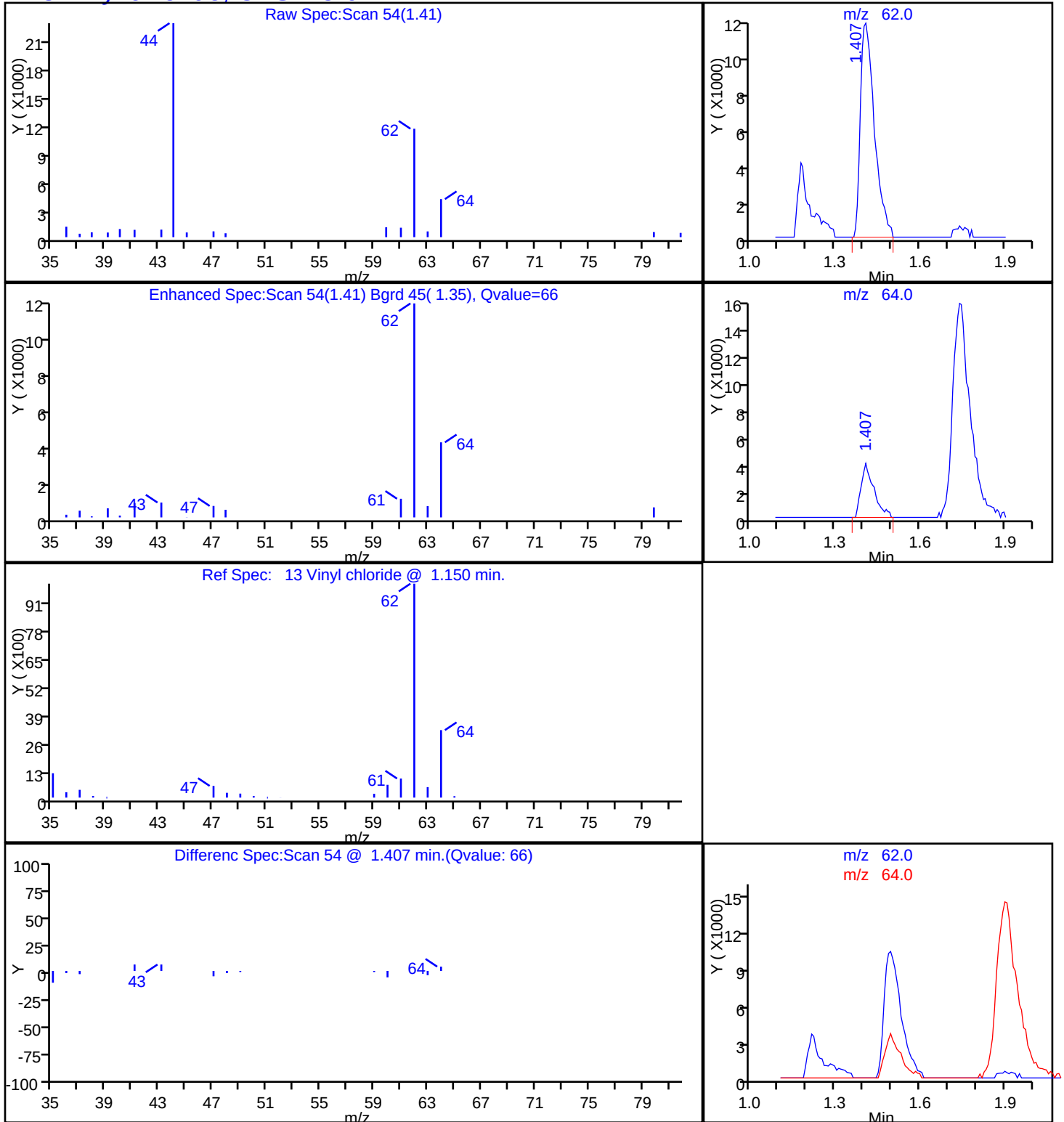
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: MW-13S Lab Sample ID: 480-63953-8

Matrix: Ground Water Lab File ID: S40295.D

Analysis Method: 8260C Date Collected: 07/17/2014 12:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 19:01

Soil Aliquot Vol: _____ Dilution Factor: 500

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

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

Analysis Batch No.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		500	410
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	110
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160
79-00-5	1,1,2-Trichloroethane	ND		500	120
75-34-3	1,1-Dichloroethane	ND		500	190
75-35-4	1,1-Dichloroethene	ND		500	150
120-82-1	1,2,4-Trichlorobenzene	ND		500	210
96-12-8	1,2-Dibromo-3-Chloropropane	ND		500	200
106-93-4	1,2-Dibromoethane	ND		500	370
95-50-1	1,2-Dichlorobenzene	ND		500	400
107-06-2	1,2-Dichloroethane	ND		500	110
78-87-5	1,2-Dichloropropane	ND		500	360
541-73-1	1,3-Dichlorobenzene	ND		500	390
106-46-7	1,4-Dichlorobenzene	ND		500	420
78-93-3	2-Butanone (MEK)	ND		5000	660
591-78-6	2-Hexanone	ND		2500	620
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2500	1100
67-64-1	Acetone	ND		5000	1500
71-43-2	Benzene	ND		500	210
75-27-4	Bromodichloromethane	ND		500	200
75-25-2	Bromoform	ND		500	130
74-83-9	Bromomethane	ND		500	350
75-15-0	Carbon disulfide	ND		500	95
56-23-5	Carbon tetrachloride	ND		500	140
108-90-7	Chlorobenzene	ND		500	380
75-00-3	Chloroethane	ND		500	160
67-66-3	Chloroform	ND		500	170
74-87-3	Chloromethane	ND		500	180
156-59-2	cis-1,2-Dichloroethene	17000		500	410
10061-01-5	cis-1,3-Dichloropropene	ND		500	180
110-82-7	Cyclohexane	ND		500	90
124-48-1	Dibromochloromethane	ND		500	160
75-71-8	Dichlorodifluoromethane	ND		500	340
100-41-4	Ethylbenzene	ND		500	370
98-82-8	Isopropylbenzene	ND		500	400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
 SDG No.: _____
 Client Sample ID: MW-13S Lab Sample ID: 480-63953-8
 Matrix: Ground Water Lab File ID: S40295.D
 Analysis Method: 8260C Date Collected: 07/17/2014 12:30
 Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 19:01
 Soil Aliquot Vol: _____ Dilution Factor: 500
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1300	250
1634-04-4	Methyl tert-butyl ether	ND		500	80
108-87-2	Methylcyclohexane	ND		500	80
75-09-2	Methylene Chloride	ND		500	220
100-42-5	Styrene	ND		500	370
127-18-4	Tetrachloroethene	ND		500	180
108-88-3	Toluene	ND		500	260
156-60-5	trans-1,2-Dichloroethene	ND		500	450
10061-02-6	trans-1,3-Dichloropropene	ND		500	190
79-01-6	Trichloroethene	33000		500	230
75-69-4	Trichlorofluoromethane	ND		500	440
75-01-4	Vinyl chloride	ND		500	450
1330-20-7	Xylenes, Total	ND		1000	330

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40295.D
 Lims ID: 480-63953-A-8 Lab Sample ID: 480-63953-8
 Client ID: MW-13S
 Sample Type: Client
 Inject. Date: 23-Jul-2014 19:01:30 ALS Bottle#: 53 Worklist Smp#: 28
 Purge Vol: 5.000 mL Dil. Factor: 500.0000
 Sample Info: 480-63953-A-8
 Misc. Info.: 480-0034014-028480-0034014-028
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Aug-2014 07:18:08 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: gigliad

Date: 07-Aug-2014 07:18:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	185880	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	357231	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.695	8.696	-0.001	96	288651	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	155103	25.6	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.696	0.000	94	865975	25.4	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	86	250435	23.1	
10 Dichlorodifluoromethane	85		1.188				ND	
12 Chloromethane	50		1.316				ND	
13 Vinyl chloride	62		1.407				ND	
14 Bromomethane	94		1.645				ND	
15 Chloroethane	64		1.736				ND	
17 Trichlorofluoromethane	101		1.894				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.302				ND	
22 1,1-Dichloroethene	96		2.320				ND	
23 Acetone	43		2.387				ND	
26 Carbon disulfide	76		2.484				ND	
27 Methyl acetate	43		2.624				ND	
30 Methylene Chloride	84	2.758	2.758	0.000	41	3892	0.3203	
32 Methyl tert-butyl ether	73		2.880				ND	
34 trans-1,2-Dichloroethene	96		2.892				ND	
39 1,1-Dichloroethane	63		3.239				ND	
45 cis-1,2-Dichloroethene	96	3.689	3.683	0.006	70	350870	34.6	
43 2-Butanone (MEK)	43		3.725				ND	
50 Chloroform	83		3.932				ND	
51 1,1,1-Trichloroethane	97		4.029				ND	
52 Cyclohexane	56		4.036				ND	
55 Carbon tetrachloride	117		4.139				ND	
57 Benzene	78		4.315				ND	
58 1,2-Dichloroethane	62		4.370				ND	
1 1,4-Difluorobenzene	114		4.614				ND	
62 Trichloroethene	95	4.790	4.790	0.000	94	626197	65.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		4.881				ND	
65 1,2-Dichloropropane	63		4.985				ND	
68 Dichlorobromomethane	83		5.204				ND	
72 cis-1,3-Dichloropropene	75		5.526				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.642				ND	
74 Toluene	92		5.751				ND	
77 trans-1,3-Dichloropropene	75		5.958				ND	
79 1,1,2-Trichloroethane	83		6.104				ND	
81 Tetrachloroethene	166		6.147				ND	
80 2-Hexanone	43		6.280				ND	
83 Chlorodibromomethane	129		6.408				ND	
84 Ethylene Dibromide	107		6.493				ND	
87 Chlorobenzene	112		6.846				ND	
88 Ethylbenzene	91		6.913				ND	
90 m-Xylene & p-Xylene	106		7.004				ND	
91 o-Xylene	106		7.321				ND	
92 Styrene	104		7.345				ND	
95 Bromoform	173		7.534				ND	
94 Isopropylbenzene	105		7.607				ND	
97 1,1,2,2-Tetrachloroethane	83		7.917				ND	
111 1,3-Dichlorobenzene	146		8.641				ND	
113 1,4-Dichlorobenzene	146		8.714				ND	
116 1,2-Dichlorobenzene	146		9.024				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.699				ND	
119 1,2,4-Trichlorobenzene	180		10.344				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_Surr_00089

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_IS_00083

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40295.D

Injection Date: 23-Jul-2014 19:01:30

Instrument ID: HP5973S

Operator ID: CN

Lims ID: 480-63953-A-8

Lab Sample ID: 480-63953-8

Worklist Smp#: 28

Client ID: MW-13S

Purge Vol: 5.000 mL

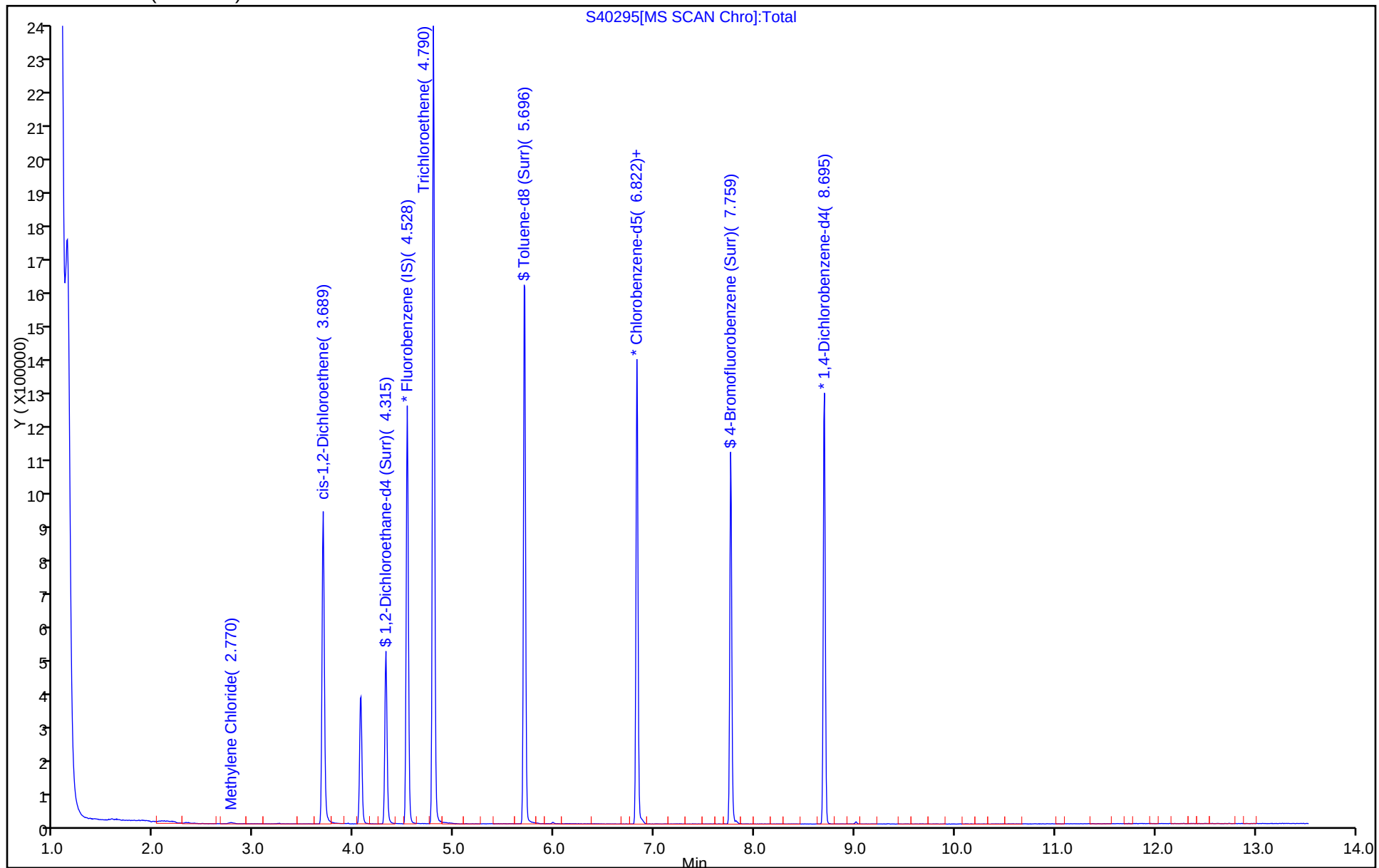
Dil. Factor: 500.0000

ALS Bottle#: 53

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40295.D

Injection Date: 23-Jul-2014 19:01:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-8

Lab Sample ID: 480-63953-8

Client ID: MW-13S

Operator ID: CN

ALS Bottle#: 53

Worklist Smp#: 28

Purge Vol: 5.000 mL

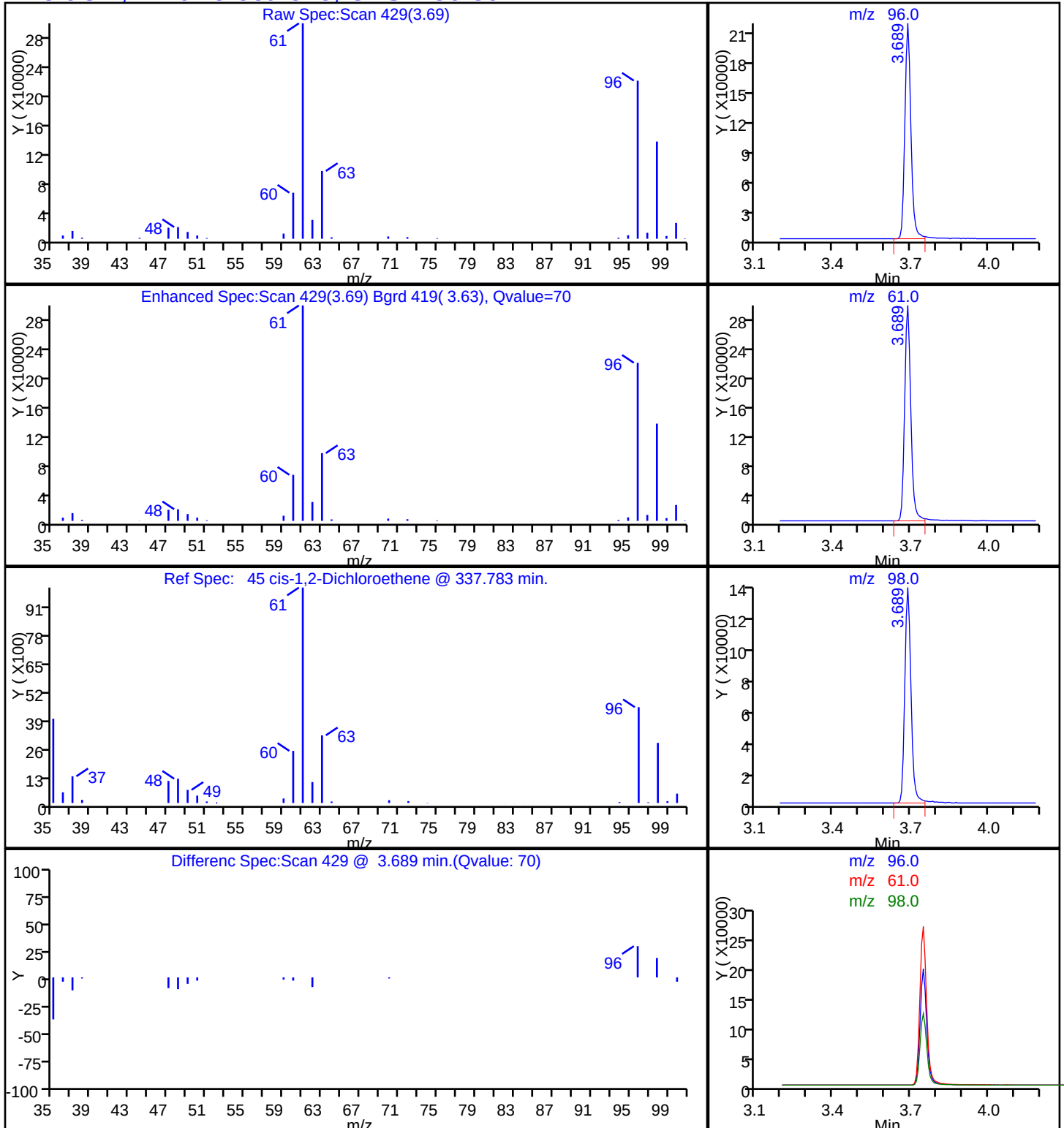
Dil. Factor: 500.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40295.D

Injection Date: 23-Jul-2014 19:01:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-8

Lab Sample ID: 480-63953-8

Client ID: MW-13S

Operator ID: CN

ALS Bottle#: 53

Worklist Smp#: 28

Purge Vol: 5.000 mL

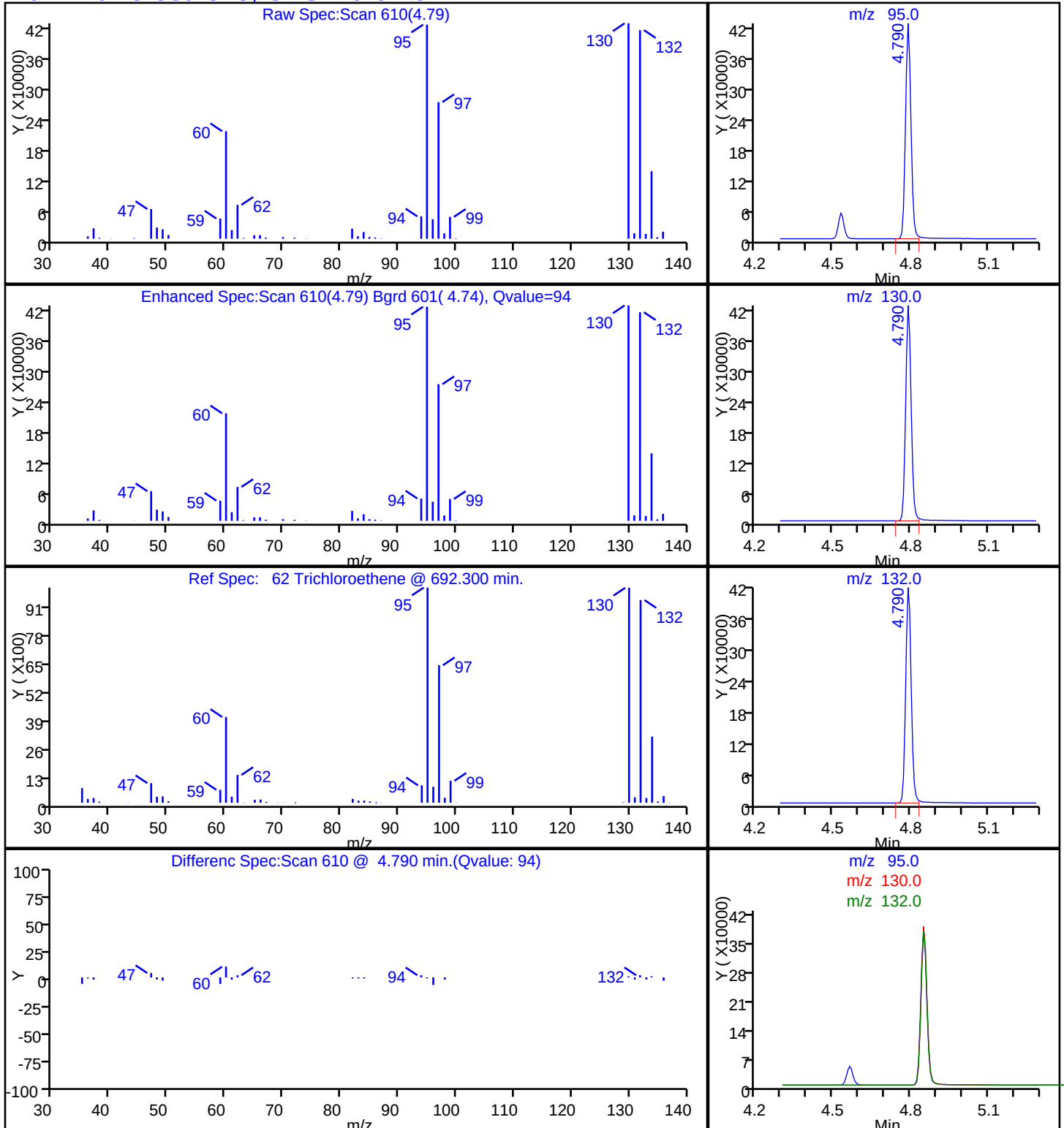
Dil. Factor: 500.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: Duplicate Lab Sample ID: 480-63953-9

Matrix: Water Lab File ID: S40296.D

Analysis Method: 8260C Date Collected: 07/17/2014 08:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 19:23

Soil Aliquot Vol: _____ Dilution Factor: 500

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

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

Analysis Batch No.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		500	410
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	110
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160
79-00-5	1,1,2-Trichloroethane	ND		500	120
75-34-3	1,1-Dichloroethane	ND		500	190
75-35-4	1,1-Dichloroethene	ND		500	150
120-82-1	1,2,4-Trichlorobenzene	ND		500	210
96-12-8	1,2-Dibromo-3-Chloropropane	ND		500	200
106-93-4	1,2-Dibromoethane	ND		500	370
95-50-1	1,2-Dichlorobenzene	ND		500	400
107-06-2	1,2-Dichloroethane	ND		500	110
78-87-5	1,2-Dichloropropane	ND		500	360
541-73-1	1,3-Dichlorobenzene	ND		500	390
106-46-7	1,4-Dichlorobenzene	ND		500	420
78-93-3	2-Butanone (MEK)	ND		5000	660
591-78-6	2-Hexanone	ND		2500	620
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2500	1100
67-64-1	Acetone	ND		5000	1500
71-43-2	Benzene	ND		500	210
75-27-4	Bromodichloromethane	ND		500	200
75-25-2	Bromoform	ND		500	130
74-83-9	Bromomethane	ND		500	350
75-15-0	Carbon disulfide	ND		500	95
56-23-5	Carbon tetrachloride	ND		500	140
108-90-7	Chlorobenzene	ND		500	380
75-00-3	Chloroethane	ND		500	160
67-66-3	Chloroform	ND		500	170
74-87-3	Chloromethane	ND		500	180
156-59-2	cis-1,2-Dichloroethene	17000		500	410
10061-01-5	cis-1,3-Dichloropropene	ND		500	180
110-82-7	Cyclohexane	ND		500	90
124-48-1	Dibromochloromethane	ND		500	160
75-71-8	Dichlorodifluoromethane	ND		500	340
100-41-4	Ethylbenzene	ND		500	370
98-82-8	Isopropylbenzene	ND		500	400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: Duplicate Lab Sample ID: 480-63953-9

Matrix: Water Lab File ID: S40296.D

Analysis Method: 8260C Date Collected: 07/17/2014 08:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 19:23

Soil Aliquot Vol: _____ Dilution Factor: 500

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

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

Analysis Batch No.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1300	250
1634-04-4	Methyl tert-butyl ether	ND		500	80
108-87-2	Methylcyclohexane	ND		500	80
75-09-2	Methylene Chloride	ND		500	220
100-42-5	Styrene	ND		500	370
127-18-4	Tetrachloroethene	ND		500	180
108-88-3	Toluene	ND		500	260
156-60-5	trans-1,2-Dichloroethene	ND		500	450
10061-02-6	trans-1,3-Dichloropropene	ND		500	190
79-01-6	Trichloroethene	32000		500	230
75-69-4	Trichlorofluoromethane	ND		500	440
75-01-4	Vinyl chloride	ND		500	450
1330-20-7	Xylenes, Total	ND		1000	330

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40296.D
 Lims ID: 480-63953-A-9 Lab Sample ID: 480-63953-9
 Client ID: Duplicate
 Sample Type: Client
 Inject. Date: 23-Jul-2014 19:23:30 ALS Bottle#: 54 Worklist Smp#: 29
 Purge Vol: 5.000 mL Dil. Factor: 500.0000
 Sample Info: 480-63953-A-9
 Misc. Info.: 480-0034014-029480-0034014-029
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 24-Jul-2014 17:00:20 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: manc

Date: 24-Jul-2014 17:00:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	188856	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	361017	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	95	290850	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	159141	25.8	
\$ 5 Toluene-d8 (Surr)	98	5.703	5.696	0.007	93	864520	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	86	248463	22.7	
10 Dichlorodifluoromethane	85		1.188				ND	
12 Chloromethane	50		1.316				ND	
13 Vinyl chloride	62		1.407				ND	
14 Bromomethane	94		1.645				ND	
15 Chloroethane	64		1.736				ND	
17 Trichlorofluoromethane	101		1.894				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.302				ND	
22 1,1-Dichloroethene	96	2.326	2.320	0.006	1	1714	0.1683	
23 Acetone	43		2.387				ND	
26 Carbon disulfide	76		2.484				ND	
27 Methyl acetate	43		2.624				ND	
30 Methylene Chloride	84	2.764	2.758	0.006	40	3735	0.3026	
32 Methyl tert-butyl ether	73		2.880				ND	
34 trans-1,2-Dichloroethene	96		2.892				ND	
39 1,1-Dichloroethane	63		3.239				ND	
45 cis-1,2-Dichloroethene	96	3.689	3.683	0.006	70	346854	33.7	
43 2-Butanone (MEK)	43		3.725				ND	
50 Chloroform	83		3.932				ND	
51 1,1,1-Trichloroethane	97		4.029				ND	
52 Cyclohexane	56		4.036				ND	
55 Carbon tetrachloride	117		4.139				ND	
57 Benzene	78		4.315				ND	
58 1,2-Dichloroethane	62		4.370				ND	
1 1,4-Difluorobenzene	114		4.614				ND	
62 Trichloroethene	95	4.790	4.790	0.000	94	620393	64.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		4.881				ND	
65 1,2-Dichloropropane	63		4.985				ND	
68 Dichlorobromomethane	83		5.204				ND	
72 cis-1,3-Dichloropropene	75		5.526				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.642				ND	
74 Toluene	92		5.751				ND	
77 trans-1,3-Dichloropropene	75		5.958				ND	
79 1,1,2-Trichloroethane	83		6.104				ND	
81 Tetrachloroethene	166		6.147				ND	
80 2-Hexanone	43		6.280				ND	
83 Chlorodibromomethane	129		6.408				ND	
84 Ethylene Dibromide	107		6.493				ND	
87 Chlorobenzene	112		6.846				ND	
88 Ethylbenzene	91		6.913				ND	
90 m-Xylene & p-Xylene	106		7.004				ND	
91 o-Xylene	106		7.321				ND	
92 Styrene	104		7.345				ND	
95 Bromoform	173		7.534				ND	
94 Isopropylbenzene	105		7.607				ND	
97 1,1,2,2-Tetrachloroethane	83		7.917				ND	
111 1,3-Dichlorobenzene	146		8.641				ND	
113 1,4-Dichlorobenzene	146		8.714				ND	
116 1,2-Dichlorobenzene	146		9.024				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.699				ND	
119 1,2,4-Trichlorobenzene	180		10.344				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_Surr_00089

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_IS_00083

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40296.D

Injection Date: 23-Jul-2014 19:23:30

Instrument ID: HP5973S

Operator ID: CN

Lims ID: 480-63953-A-9

Lab Sample ID: 480-63953-9

Worklist Smp#: 29

Client ID: Duplicate

Purge Vol: 5.000 mL

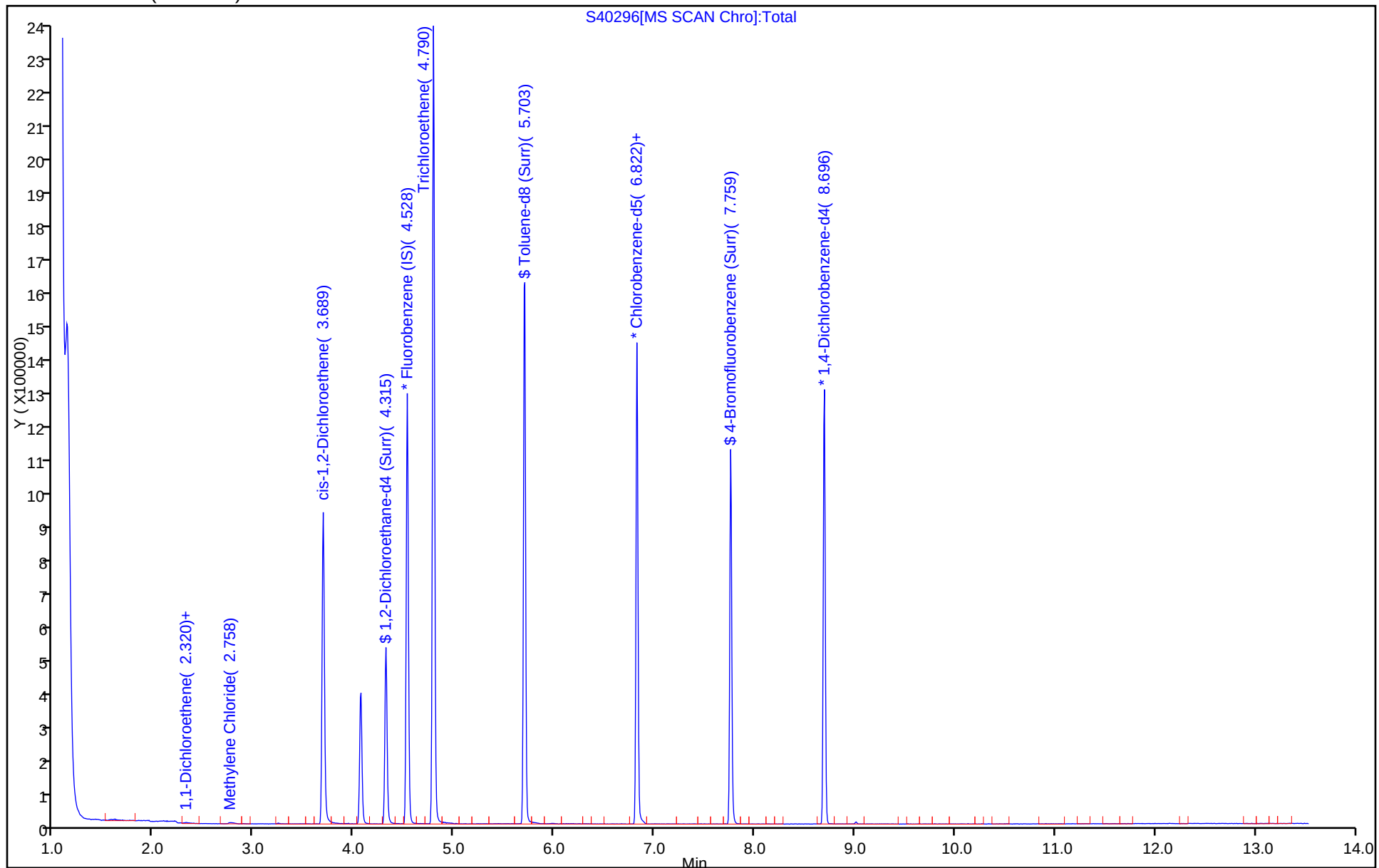
Dil. Factor: 500.0000

ALS Bottle#: 54

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40296.D

Injection Date: 23-Jul-2014 19:23:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-9

Lab Sample ID: 480-63953-9

Client ID: Duplicate

Operator ID: CN

ALS Bottle#: 54

Worklist Smp#: 29

Purge Vol: 5.000 mL

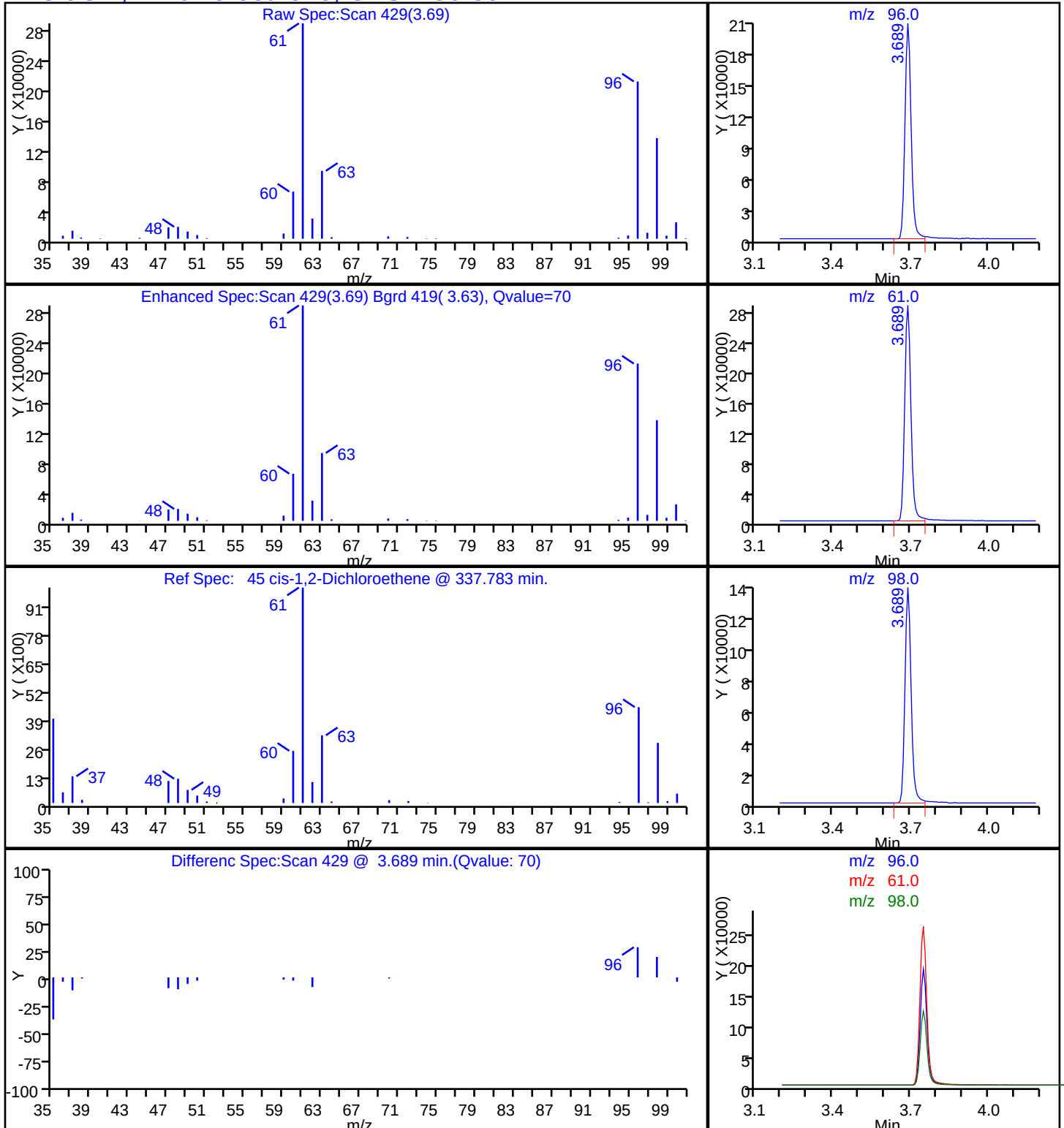
Dil. Factor: 500.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\Bufchrom\\ChromData\\HP5973S\\20140723-34014.b\\S40296.D

Injection Date: 23-Jul-2014 19:23:30

Instrument ID: HP5973S

Lims ID: 480-63953-A-9

Lab Sample ID: 480-63953-9

Client ID: Duplicate

Operator ID: CN

ALS Bottle#: 54

Worklist Smp#: 29

Purge Vol: 5.000 mL

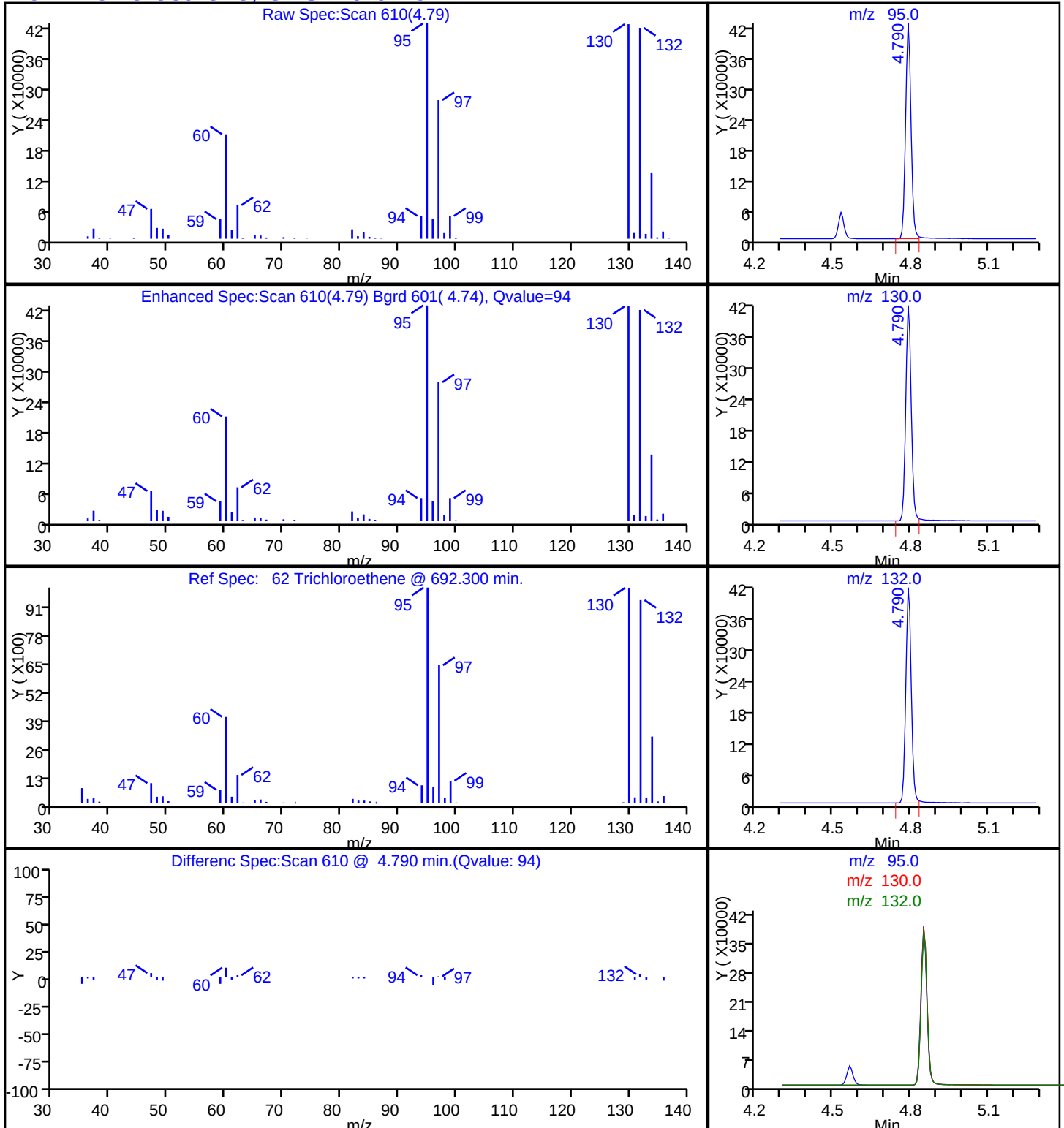
Dil. Factor: 500.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: Rinse Blank Lab Sample ID: 480-63953-10

Matrix: Water Lab File ID: S40297.D

Analysis Method: 8260C Date Collected: 07/17/2014 13:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 19:46

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.: 194301 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.: 480-63953-1

SDG No.: _____

Client Sample ID: Rinse Blank Lab Sample ID: 480-63953-10

Matrix: Water Lab File ID: S40297.D

Analysis Method: 8260C Date Collected: 07/17/2014 13:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 19:46

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.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40297.D
 Lims ID: 480-63953-A-10 Lab Sample ID: 480-63953-10
 Client ID: Rinse Blank
 Sample Type: Client
 Inject. Date: 23-Jul-2014 19:46:30 ALS Bottle#: 55 Worklist Smp#: 30
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-63953-A-10
 Misc. Info.: 480-0034014-030480-0034014-030
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Aug-2014 07:18:24 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: gigliad

Date: 07-Aug-2014 07:18:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	185794	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	355679	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	96	294033	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	155729	25.7	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.696	0.000	93	850455	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	86	247761	23.0	
10 Dichlorodifluoromethane	85		1.188				ND	
12 Chloromethane	50		1.316				ND	
13 Vinyl chloride	62		1.407				ND	
14 Bromomethane	94		1.645				ND	
15 Chloroethane	64		1.736				ND	
17 Trichlorofluoromethane	101		1.894				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.302				ND	
22 1,1-Dichloroethene	96		2.320				ND	
23 Acetone	43		2.387				ND	
26 Carbon disulfide	76		2.484				ND	
27 Methyl acetate	43		2.624				ND	
30 Methylene Chloride	84		2.758				ND	
32 Methyl tert-butyl ether	73		2.880				ND	
34 trans-1,2-Dichloroethene	96		2.892				ND	
39 1,1-Dichloroethane	63		3.239				ND	
45 cis-1,2-Dichloroethene	96		3.683				ND	
43 2-Butanone (MEK)	43		3.725				ND	
50 Chloroform	83		3.932				ND	
51 1,1,1-Trichloroethane	97		4.029				ND	
52 Cyclohexane	56		4.036				ND	
55 Carbon tetrachloride	117		4.139				ND	
57 Benzene	78		4.315				ND	
58 1,2-Dichloroethane	62		4.370				ND	
1 1,4-Difluorobenzene	114		4.614				ND	
62 Trichloroethene	95		4.790				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		4.881				ND	
65 1,2-Dichloropropane	63		4.985				ND	
68 Dichlorobromomethane	83		5.204				ND	
72 cis-1,3-Dichloropropene	75		5.526				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.642				ND	
74 Toluene	92		5.751				ND	
77 trans-1,3-Dichloropropene	75		5.958				ND	
79 1,1,2-Trichloroethane	83		6.104				ND	
81 Tetrachloroethene	166		6.147				ND	
80 2-Hexanone	43		6.280				ND	
83 Chlorodibromomethane	129		6.408				ND	
84 Ethylene Dibromide	107		6.493				ND	
87 Chlorobenzene	112		6.846				ND	
88 Ethylbenzene	91		6.913				ND	
90 m-Xylene & p-Xylene	106		7.004				ND	
91 o-Xylene	106		7.321				ND	
92 Styrene	104		7.345				ND	
95 Bromoform	173		7.534				ND	
94 Isopropylbenzene	105		7.607				ND	
97 1,1,2,2-Tetrachloroethane	83		7.917				ND	
111 1,3-Dichlorobenzene	146		8.641				ND	
113 1,4-Dichlorobenzene	146		8.714				ND	
116 1,2-Dichlorobenzene	146		9.024				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.699				ND	
119 1,2,4-Trichlorobenzene	180		10.344				ND	
S 124 Xylenes, Total	1		30.000				0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_Surr_00089

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_IS_00083

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40297.D

Injection Date: 23-Jul-2014 19:46:30

Instrument ID: HP5973S

Operator ID: CN

Lims ID: 480-63953-A-10

Lab Sample ID: 480-63953-10

Worklist Smp#: 30

Client ID: Rinse Blank

Purge Vol: 5.000 mL

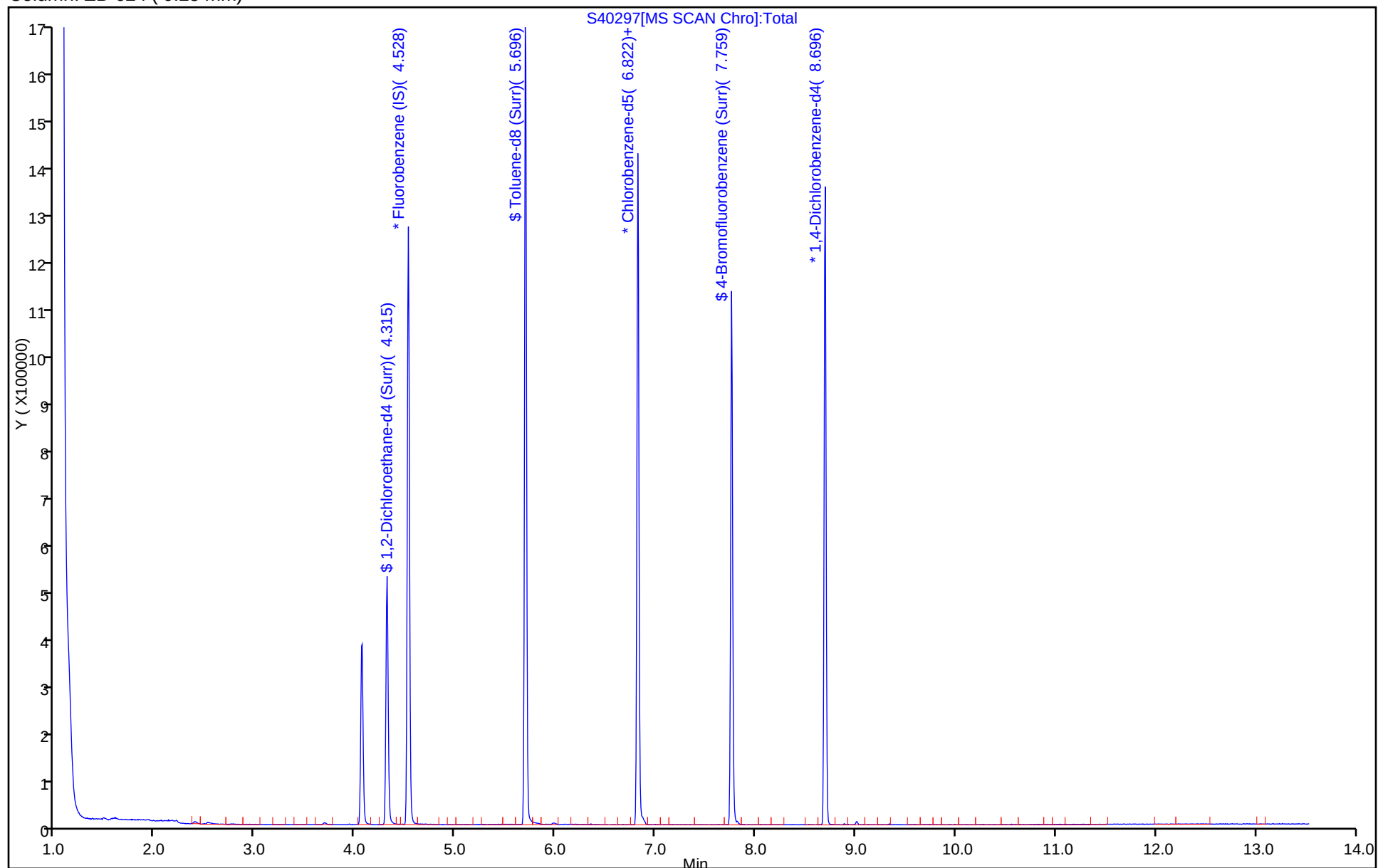
Dil. Factor: 1.0000

ALS Bottle#: 55

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1 Analy Batch No.: 192443

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2014 18:40 Calibration End Date: 07/11/2014 20:55 Calibration ID: 19516

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-192443/5	S40111.D
Level 2	IC 480-192443/6	S40112.D
Level 3	IC 480-192443/7	S40113.D
Level 4	IC 480-192443/4	S40110.D
Level 5	ICIS 480-192443/8	S40114.D
Level 6	IC 480-192443/9	S40115.D
Level 7	IC 480-192443/10	S40116.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 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.4140 1.6139	1.1712 1.5943	1.6710		1.5665	Lin1	-1.239	1.6215			0.1000				0.9990		0.9900
Chloromethane	1.1834 1.6960	1.5107 1.7598	1.7740		1.7146	Ave		1.6064			0.1000	14.0		20.0			
Vinyl chloride	1.0485 1.6969	1.5517 1.7218	1.8380		1.7698	Ave		1.6044			0.1000	18.0		20.0			
Butadiene	0.8743 1.3919	1.4684 1.4761	1.6106		1.5623	Ave		1.3973				19.0		20.0			
Bromomethane	0.5548 0.7183	0.5836 0.8375	0.5793		0.6914	Ave		0.6608			0.1000	16.0		20.0			
Chloroethane	0.7073 0.9866	0.9311 1.0027	1.0714		1.0573	Ave		0.9594			0.1000	14.0		20.0			
Trichlorofluoromethane	0.6522 1.8992	1.5279 1.9738	1.9363		1.8798	Lin1	-1.404	1.9655			0.1000				0.9990		0.9900
Dichlorofluoromethane	1.3543 2.2662	1.9178 2.4134	2.2704		2.3477	Ave		2.0950				19.0		20.0			
Ethyl ether	1.2478 1.2358	1.2597 1.2392	1.3535		1.2905	Ave		1.2711				3.5		20.0			
Acrolein	0.1926 0.1868	0.1792 0.2011	0.1847		0.1877	Ave		0.1887				4.0		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0904 1.3541	0.9073 1.2992	1.3804		1.1999	Lin1	-1.268	1.3281			0.1000				0.9970		0.9900
1,1-Dichloroethene	0.8315 1.4907	1.2700 1.4637	1.6058		1.4264	Ave		1.3480			0.1000	20.0		20.0			
Acetone	0.7345 0.5748	0.6572 0.5775	0.6667		0.6527	Ave		0.6439			0.1000	9.4		20.0			
Iodomethane	1.4754 1.8038	1.8615 1.9233	1.9521		1.9101	Ave		1.8210				9.7		20.0			

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.: 480-63953-1 Analy Batch No.: 192443

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2014 18:40 Calibration End Date: 07/11/2014 20:55 Calibration ID: 19516

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 4	LVL 5		B	M1	M2								
Carbon disulfide	2.3393 4.4777	3.0158 4.6984	3.9940		4.0237	Lin1	-3.559	4.5708			0.1000				0.9960		0.9900
Allyl chloride	0.8899 1.3490	1.1326 1.5529	1.3276		1.3662	Ave		1.2697				18.0		20.0			
Methyl acetate	1.5714 1.4359	1.5370 1.4280	1.6025		1.5872	Ave		1.5270			0.1000	5.0		20.0			
Methylene Chloride	1.8920 1.4912	1.5907 1.4965	1.7636		1.5704	Ave		1.6341			0.1000	9.8		20.0			
2-Methyl-2-propanol	0.1623 0.2182	0.1895 0.2413	0.2077		0.2235	Ave		0.2071				13.0		20.0			
Methyl tert-butyl ether	4.0966 4.3103	4.1898 4.3419	4.4945		4.5467	Ave		4.3300			0.1000	4.0		20.0			
trans-1,2-Dichloroethene	0.8383 1.3624	1.2303 1.3334	1.4756		1.3522	Ave		1.2654			0.1000	18.0		20.0			
Acrylonitrile	0.6829 0.6754	0.7440 0.6630	0.7507	0.7090	0.7408	Ave		0.7094				5.1		20.0			
Hexane	0.6880 1.9774	1.3129 1.7884	2.0572		1.6731	Lin1	-1.198	1.8563							0.9940		0.9900
1,1-Dichloroethane	1.6738 2.3944	1.9061 2.3845	2.2026		2.1187	Ave		2.1133			0.2000	13.0		20.0			
Vinyl acetate	1.5537 2.6609	1.9586 2.7774	2.2886		2.6177	Lin1	-3.688	2.7305							0.9980		0.9900
2,2-Dichloropropane	0.3542 0.7613	0.5447 0.8020	0.6868		0.6965	Lin1	-0.617	0.7818							0.9970		0.9900
cis-1,2-Dichloroethene	1.0763 1.4210	1.3157 1.4220	1.5185		1.4283	Ave		1.3636			0.1000	11.0		20.0			
2-Butanone (MEK)	0.9718 0.9584	0.9671 0.9703	1.0327		1.0489	Ave		0.9915			0.1000	3.9		20.0			
Chlorobromomethane	0.5387 0.6891	0.6478 0.6930	0.7235		0.7042	Ave		0.6661				10.0		20.0			
Tetrahydrofuran	0.7014 0.6207	0.6378 0.6351	0.6831		0.6771	Ave		0.6592				4.9		20.0			
Chloroform	1.7950 2.2913	2.0902 2.3025	2.4063		2.2998	Ave		2.1975			0.2000	10.0		20.0			
1,1,1-Trichloroethane	0.6024 1.3063	0.9831 1.4059	1.2268		1.2075	Lin1	-1.052	1.3623			0.1000				0.9970		0.9900
Cyclohexane	0.8291 2.4307	1.8026 2.2950	2.5206		2.1413	Lin1	-1.516	2.3493			0.1000				0.9970		0.9900
Carbon tetrachloride	0.4168 1.1731	0.7337 1.3560	0.8988		0.9825	Lin	-5.005	1.3713			0.1000				0.9940		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 CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1 Analy Batch No.: 192443

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2014 18:40 Calibration End Date: 07/11/2014 20:55 Calibration ID: 19516

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 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.0777 1.7874	1.5407 1.7594	1.8889		1.6991	Ave		1.6255				18.0		20.0			
Benzene	4.5904 5.5938	5.3390 5.5314	6.1531		5.6144	Ave		5.4703			0.5000	9.3		20.0			
Isobutyl alcohol	0.0601 0.1008	0.0672 0.1089	0.0761		0.0946	Lin1	-2.187	0.1046							0.9940		0.9900
1,2-Dichloroethane	2.0261 2.0362	2.0506 2.0425	2.2517		2.1375	Ave		2.0908			0.1000	4.2		20.0			
n-Heptane	1.2822 2.2143	1.6859 2.0230	2.3895		1.8939	Lin1	-0.751	2.0863							0.9950		0.9900
Trichloroethene	0.9587 1.3647	1.2078 1.3710	1.4431		1.3369	Ave		1.2804			0.2000	14.0		20.0			
Methylcyclohexane	0.7365 2.2693	1.5579 2.1583	2.3723		1.9642	Lin1	-1.559	2.1989			0.1000				0.9960		0.9900
1,2-Dichloropropane	1.1874 1.4213	1.3424 1.4400	1.5150		1.4591	Ave		1.3942			0.1000	8.3		20.0			
Dibromomethane	0.7135 0.8445	0.7896 0.8739	0.8865		0.8656	Ave		0.8290			0.1000	8.0		20.0			
1,4-Dioxane	0.0071 0.0112	0.0108 0.0112	0.0112		0.0112	Ave		0.0104				16.0		20.0			
Bromodichloromethane	0.9114 1.6019	1.0950 1.7618	1.3218		1.4698	Lin1	-1.404	1.6809			0.2000				0.9940		0.9900
2-Chloroethyl vinyl ether	0.7944 1.0849	0.9215 1.1371	1.0676		1.1192	Ave		1.0208				13.0		20.0			
cis-1,3-Dichloropropene	0.9400 2.0578	1.3431 2.2521	1.7047		1.9286	Lin1	-2.007	2.1626			0.2000				0.9950		0.9900
4-Methyl-2-pentanone (MIBK)	0.8442 0.9569	0.9820 0.9379	1.0307		1.0196	Ave		0.9619			0.1000	7.0		20.0			
Toluene	1.4466 1.7589	1.6641 1.7562	1.8837		1.7115	Ave		1.7035			0.4000	8.5		20.0			
trans-1,3-Dichloropropene	0.3916 0.8963	0.5298 1.0016	0.6788		0.7947	Lin1	-1.011	0.9462			0.1000				0.9900		0.9900
Ethyl methacrylate	0.7018 1.1401	0.8861 1.1900	1.0709		1.1237	Ave		1.0187				18.0		20.0			
1,1,2-Trichloroethane	0.5200 0.5563	0.5465 0.5605	0.5883		0.5601	Ave		0.5553			0.1000	4.0		20.0			
Tetrachloroethene	0.5250 0.7418	0.6698 0.7366	0.7980		0.7041	Ave		0.6959			0.2000	14.0		20.0			
1,3-Dichloropropane	1.1390 1.2134	1.2253 1.2278	1.3009		1.2433	Ave		1.2249				4.3		20.0			

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.: 480-63953-1 Analy Batch No.: 192443

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2014 18:40 Calibration End Date: 07/11/2014 20:55 Calibration ID: 19516

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 4	LVL 5		B	M1	M2								
2-Hexanone	0.6412 0.7186	0.7193 0.7105	0.7664		0.7621	Ave		0.7197			0.1000	6.3		20.0			
Dibromochloromethane	0.2411 0.5397	0.3226 0.6344	0.3891		0.4646	Lin	-2.455	0.6415			0.1000				0.9940		0.9900
1,2-Dibromoethane	0.5169 0.6759	0.6107 0.7003	0.6807		0.6795	Ave		0.6440				11.0		20.0			
Chlorobenzene	1.7086 1.9550	1.9063 1.9734	2.1409		1.9364	Ave		1.9368			0.5000	7.2		20.0			
Ethylbenzene	2.5292 3.4092	3.1670 3.3763	3.6787		3.3066	Ave		3.2445			0.1000	12.0		20.0			
1,1,1,2-Tetrachloroethane	0.2786 0.5772	0.3877 0.6313	0.4712		0.5137	Lin1	-0.551	0.6024							0.9930		0.9900
m,p-Xylene	0.9852 1.3296	1.1893 1.3244	1.4052		1.2859	Ave		1.2533			0.1000	12.0		20.0			
o-Xylene	0.9319 1.2882	1.1797 1.2849	1.3765		1.2585	Ave		1.2199			0.3000	13.0		20.0			
Styrene	1.5469 2.2477	1.9833 2.3047	2.3298		2.2183	Ave		2.1051			0.3000	14.0		20.0			
Bromoform	0.1391 0.3431	0.1822 0.4385	0.2101		0.2762	Qua	-0.367	0.2499	0.0019		0.1000				1.0000		0.9900
Isopropylbenzene	2.5337 3.6964	3.2828 3.6549	3.9451		3.5958	Ave		3.4514			0.1000	14.0		20.0			
Bromobenzene	0.8488 0.9321	0.8998 0.9381	0.9993		0.9339	Ave		0.9253				5.4		20.0			
1,1,2,2-Tetrachloroethane	0.8837 1.0326	0.9913 1.0556	1.0549		1.0543	Ave		1.0121			0.3000	6.7		20.0			
N-Propylbenzene	3.0345 4.3813	3.8881 4.2785	4.6761		4.1937	Ave		4.0754				14.0		20.0			
1,2,3-Trichloropropane	0.3324 0.3454	0.3616 0.3440	0.3730		0.3613	Ave		0.3529				4.2		20.0			
trans-1,4-Dichloro-2-butene	0.0408 0.2484	0.1117 0.2998	0.1650		0.2138	Lin	-1.347	0.3040							0.9920		0.9900
2-Chlorotoluene	0.6944 0.8550	0.8106 0.8430	0.9229		0.8445	Ave		0.8284				9.1		20.0			
1,3,5-Trimethylbenzene	2.1961 3.1357	2.8069 3.1011	3.3466		3.0647	Ave		2.9419				14.0		20.0			
4-Chlorotoluene	0.7513 0.8938	0.8470 0.8922	0.9695		0.8843	Ave		0.8730				8.2		20.0			
tert-Butylbenzene	0.4824 0.7013	0.6190 0.6839	0.7387		0.6698	Ave		0.6492				14.0		20.0			

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.: 480-63953-1 Analy Batch No.: 192443

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2014 18:40 Calibration End Date: 07/11/2014 20:55 Calibration ID: 19516

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 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.2833 3.2152	2.9241 3.1941	3.4602		3.1759	Ave		3.0421				13.0		20.0			
sec-Butylbenzene	2.4793 3.9326	3.4825 3.8207	4.2255		3.7875	Ave		3.6213				17.0		20.0			
4-Isopropyltoluene	2.1447 3.3712	2.9392 3.2833	3.5906		3.2436	Ave		3.0954				17.0		20.0			
1,3-Dichlorobenzene	1.5532 1.7553	1.7160 1.7322	1.9113		1.7693	Ave		1.7395			0.6000	6.6		20.0			
1,4-Dichlorobenzene	1.7016 1.7824	1.7417 1.7960	1.9303		1.7960	Ave		1.7913			0.5000	4.3		20.0			
n-Butylbenzene	1.8704 3.0788	2.5713 3.0014	3.2035		2.9452	Ave		2.7784				18.0		20.0			
1,2-Dichlorobenzene	1.5493 1.7077	1.6918 1.7015	1.8546		1.7398	Ave		1.7074			0.4000	5.7		20.0			
1,2-Dibromo-3-Chloropropane	0.0726 0.1717	0.0916 0.1975	0.1150		0.1491	Lin	-0.756	0.2004			0.0500				0.9950		0.9900
1,2,4-Trichlorobenzene	0.8628 1.1512	1.0006 1.0837	1.1891		1.1483	Ave		1.0726			0.2000	11.0		20.0			
Hexachlorobutadiene	0.3417 0.5566	0.5057 0.4969	0.6235		0.5440	Ave		0.5114				18.0		20.0			
Naphthalene	2.3959 3.0850	2.7027 2.8448	3.1544		3.2089	Ave		2.8986				11.0		20.0			
1,2,3-Trichlorobenzene	0.8145 1.0187	0.9566 0.9049	1.1141		1.0716	Ave		0.9801				11.0		20.0			
Dibromofluoromethane (Surr)	0.9746 1.0854	1.0344 1.0841	1.0680	0.9718	1.0974	Ave		1.0451				5.1		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8213 0.8081	0.8117 0.7967	0.8184	0.8228	0.8324	Ave		0.8159				1.4		20.0			
Toluene-d8 (Surr)	2.4296 2.3763	2.3792 2.3400	2.3840	2.3962	2.3889	Ave		2.3849				1.1		20.0			
4-Bromofluorobenzene (Surr)	0.7442 0.7686	0.7555 0.7629	0.7707	0.7336	0.7724	Ave		0.7583				1.9		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1 Analy Batch No.: 192443

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2014 18:40 Calibration End Date: 07/11/2014 20:55 Calibration ID: 19516

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-192443/5	S40111.D
Level 2	IC 480-192443/6	S40112.D
Level 3	IC 480-192443/7	S40113.D
Level 4	IC 480-192443/4	S40110.D
Level 5	ICIS 480-192443/8	S40114.D
Level 6	IC 480-192443/9	S40115.D
Level 7	IC 480-192443/10	S40116.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Lin1	3434 672149	48869 1351060	136315		314552	1.00 50.0	5.00 100	10.0		25.0
Chloromethane	FB	Ave	9815 706307	63035 1491312	144715		344295	1.00 50.0	5.00 100	10.0		25.0
Vinyl chloride	FB	Ave	8696 706719	64744 1459073	149936		355371	1.00 50.0	5.00 100	10.0		25.0
Butadiene	FB	Ave	7251 579689	61272 1250870	131384		313705	1.00 50.0	5.00 100	10.0		25.0
Bromomethane	FB	Ave	4601 299139	24352 709735	47259		138829	1.00 50.0	5.00 100	10.0		25.0
Chloroethane	FB	Ave	5866 410905	38850 849713	87400		212297	1.00 50.0	5.00 100	10.0		25.0
Trichlorofluoromethane	FB	Lin1	5409 790969	63753 1672657	157957		377454	1.00 50.0	5.00 100	10.0		25.0
Dichlorofluoromethane	FB	Ave	11232 943799	80020 2045184	185205		471425	1.00 50.0	5.00 100	10.0		25.0
Ethyl ether	FB	Ave	10349 514687	52560 1050103	110416		259131	1.00 50.0	5.00 100	10.0		25.0
Acrolein	FB	Ave	7985 388937	37390 851960	75320		188415	5.00 250	25.0 500	50.0		125
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Lin1	750 563952	37856 1100944	112610		240932	1.00 50.0	5.00 100	10.0		25.0
1,1-Dichloroethene	FB	Ave	6896 620827	52991 1240346	130991		286411	1.00 50.0	5.00 100	10.0		25.0
Acetone	FB	Ave	30461 1196822	137119 2446990	271928		655291	5.00 250	25.0 500	50.0		125
Iodomethane	FB	Ave	12237 751210	77673 1629803	159245		383547	1.00 50.0	5.00 100	10.0		25.0
Carbon disulfide	FB	Lin1	19402 1864794	125837 3981527	325811		807961	1.00 50.0	5.00 100	10.0		25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1 Analy Batch No.: 192443

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2014 18:40 Calibration End Date: 07/11/2014 20:55 Calibration ID: 19516

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Allyl chloride	FB	Ave	7381 561808	47259 1315933	108297		274338	1.00 50.0	5.00 100	10.0		25.0
Methyl acetate	FB	Ave	65165 2989965	320665 6050473	653633		1593549	5.00 250	25.0 500	50.0		125
Methylene Chloride	FB	Ave	15692 621040	66375 1268171	143862		315331	1.00 50.0	5.00 100	10.0		25.0
2-Methyl-2-propanol	FB	Ave	13464 908815	79088 2045239	169443		448797	10.0 500	50.0 1000	100		250
Methyl tert-butyl ether	FB	Ave	33976 1795092	174824 3679371	366638		912980	1.00 50.0	5.00 100	10.0		25.0
trans-1,2-Dichloroethene	FB	Ave	6953 567376	51334 1129933	120373		271523	1.00 50.0	5.00 100	10.0		25.0
Acrylonitrile	FB	Ave	56639 2812723	310454 5618749	612396	29493	1487434	10.0 500	50.0 1000	100	5.00	250
Hexane	FB	Lin1	5706 823500	54780 1515519	167817		335957	1.00 50.0	5.00 100	10.0		25.0
1,1-Dichloroethane	FB	Ave	13882 997194	79532 2020691	179674		425432	1.00 50.0	5.00 100	10.0		25.0
Vinyl acetate	FB	Lin1	25772 2216356	163450 4707308	373381		1051271	2.00 100	10.0 200	20.0		50.0
2,2-Dichloropropane	FB	Lin1	2938 317035	22726 679660	56027		139865	1.00 50.0	5.00 100	10.0		25.0
cis-1,2-Dichloroethene	FB	Ave	8927 591802	54897 1205028	123876		286800	1.00 50.0	5.00 100	10.0		25.0
2-Butanone (MEK)	FB	Ave	40299 1995713	201775 4111259	421210		1053117	5.00 250	25.0 500	50.0		125
Chlorobromomethane	FB	Ave	4468 286979	27032 587283	59022		141393	1.00 50.0	5.00 100	10.0		25.0
Tetrahydrofuran	FB	Ave	11634 517031	53229 1076360	111444		271928	2.00 100	10.0 200	20.0		50.0
Chloroform	FB	Ave	14887 954247	87216 1951153	196297		461799	1.00 50.0	5.00 100	10.0		25.0
1,1,1-Trichloroethane	FB	Lin1	4996 544014	41020 1191416	100073		242458	1.00 50.0	5.00 100	10.0		25.0
Cyclohexane	FB	Lin1	6876 1012290	75213 1944837	205618		429972	1.00 50.0	5.00 100	10.0		25.0
Carbon tetrachloride	FB	Lin	3457 488566	30615 1149075	73318		197291	1.00 50.0	5.00 100	10.0		25.0
1,1-Dichloropropene	FB	Ave	8938 744412	64287 1490917	154091		341168	1.00 50.0	5.00 100	10.0		25.0
Benzene	FB	Ave	38072 2329637	222772 4687385	501944		1127362	1.00 50.0	5.00 100	10.0		25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1 Analy Batch No.: 192443

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2014 18:40 Calibration End Date: 07/11/2014 20:55 Calibration ID: 19516

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Isobutyl alcohol	FB	Lin1	12459 1049542	70088 2307043	155269		474756	25.0 1250	125 2500	250		625
1,2-Dichloroethane	FB	Ave	16804 848017	85562 1730816	183685		429205	1.00 50.0	5.00 100	10.0		25.0
n-Heptane	FB	Lin1	10634 922162	70347 1714344	194922		380298	1.00 50.0	5.00 100	10.0		25.0
Trichloroethene	FB	Ave	7951 568351	50396 1161849	117718		268446	1.00 50.0	5.00 100	10.0		25.0
Methylcyclohexane	FB	Lin1	6108 945073	65003 1828969	193521		394405	1.00 50.0	5.00 100	10.0		25.0
1,2-Dichloropropane	FB	Ave	9848 591917	56014 1220243	123589		292995	1.00 50.0	5.00 100	10.0		25.0
Dibromomethane	FB	Ave	5918 351710	32947 740601	72316		173821	1.00 50.0	5.00 100	10.0		25.0
1,4-Dioxane	CBZ	Ave	2295 186631	17628 378653	36413		91775	20.0 1000	100 2000	200		500
Bromodichloromethane	FB	Lin1	7559 667131	45690 1492983	107829		295137	1.00 50.0	5.00 100	10.0		25.0
2-Chloroethyl vinyl ether	FB	Ave	6589 451805	38451 963574	87090		224738	1.00 50.0	5.00 100	10.0		25.0
cis-1,3-Dichloropropene	FB	Lin1	7796 856989	56044 1908454	139062		387270	1.00 50.0	5.00 100	10.0		25.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	67837 3978061	401166 7948267	838759		2092514	5.00 250	25.0 500	50.0		125
Toluene	CBZ	Ave	23248 1462460	135969 2976438	306576		702486	1.00 50.0	5.00 100	10.0		25.0
trans-1,3-Dichloropropene	CBZ	Lin1	6293 745222	43285 1697496	110485		326177	1.00 50.0	5.00 100	10.0		25.0
Ethyl methacrylate	CBZ	Ave	11278 947909	72397 2016868	174287		461209	1.00 50.0	5.00 100	10.0		25.0
1,1,2-Trichloroethane	CBZ	Ave	8357 462491	44649 950036	95755		229879	1.00 50.0	5.00 100	10.0		25.0
Tetrachloroethene	CBZ	Ave	8438 616729	54729 1248396	129886		289004	1.00 50.0	5.00 100	10.0		25.0
1,3-Dichloropropane	CBZ	Ave	18304 1008897	100116 2080893	211735		510298	1.00 50.0	5.00 100	10.0		25.0
2-Hexanone	CBZ	Ave	51526 2987334	293841 6020851	623639		1564012	5.00 250	25.0 500	50.0		125
Dibromochloromethane	CBZ	Lin	3874 448730	26361 1075263	63335		190711	1.00 50.0	5.00 100	10.0		25.0
1,2-Dibromoethane	CBZ	Ave	8307 562004	49895 1186828	110792		278908	1.00 50.0	5.00 100	10.0		25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1 Analy Batch No.: 192443

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2014 18:40 Calibration End Date: 07/11/2014 20:55 Calibration ID: 19516

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	27459 1625429	155758 3344591	348448		794788	1.00 50.0	5.00 100	10.0		25.0
Ethylbenzene	CBZ	Ave	40646 2834515	258761 5722342	598735		1357167	1.00 50.0	5.00 100	10.0		25.0
1,1,1,2-Tetrachloroethane	CBZ	Lin1	4477 479873	31680 1069946	76697		210832	1.00 50.0	5.00 100	10.0		25.0
m,p-Xylene	CBZ	Ave	15833 1105523	97172 2244650	228704		527798	1.00 50.0	5.00 100	10.0		25.0
o-Xylene	CBZ	Ave	14976 1071054	96392 2177691	224025		516529	1.00 50.0	5.00 100	10.0		25.0
Styrene	CBZ	Ave	24860 1868797	162047 3906040	379187		910493	1.00 50.0	5.00 100	10.0		25.0
Bromoform	CBZ	Qua	2236 285292	14886 743243	34189		113371	1.00 50.0	5.00 100	10.0		25.0
Isopropylbenzene	DCB	Ave	37014 2841008	246934 5757039	592868		1362685	1.00 50.0	5.00 100	10.0		25.0
Bromobenzene	DCB	Ave	12400 716400	67685 1477602	150175		353920	1.00 50.0	5.00 100	10.0		25.0
1,1,2,2-Tetrachloroethane	DCB	Ave	12910 793657	74567 1662793	158524		399549	1.00 50.0	5.00 100	10.0		25.0
N-Propylbenzene	DCB	Ave	44330 3367385	292468 6739443	702716		1589261	1.00 50.0	5.00 100	10.0		25.0
1,2,3-Trichloropropane	DCB	Ave	4856 265457	27199 541892	56049		136933	1.00 50.0	5.00 100	10.0		25.0
trans-1,4-Dichloro-2-butene	DCB	Lin	596 190894	8404 472191	24796		81031	1.00 50.0	5.00 100	10.0		25.0
2-Chlorotoluene	DCB	Ave	10144 657130	60974 1327831	138693		320033	1.00 50.0	5.00 100	10.0		25.0
1,3,5-Trimethylbenzene	DCB	Ave	32082 2410082	211136 4884769	502927		1161430	1.00 50.0	5.00 100	10.0		25.0
4-Chlorotoluene	DCB	Ave	10976 686925	63709 1405296	145693		335124	1.00 50.0	5.00 100	10.0		25.0
tert-Butylbenzene	DCB	Ave	7047 539017	46565 1077262	111007		253831	1.00 50.0	5.00 100	10.0		25.0
1,2,4-Trimethylbenzene	DCB	Ave	33355 2471169	219952 5031254	519999		1203561	1.00 50.0	5.00 100	10.0		25.0
sec-Butylbenzene	DCB	Ave	36218 3022525	261956 6018190	635003		1435348	1.00 50.0	5.00 100	10.0		25.0
4-Isopropyltoluene	DCB	Ave	31331 2591075	221088 5171802	539589		1229215	1.00 50.0	5.00 100	10.0		25.0
1,3-Dichlorobenzene	DCB	Ave	22690 1349110	129081 2728437	287228		670490	1.00 50.0	5.00 100	10.0		25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1 Analy Batch No.: 192443

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/11/2014 18:40 Calibration End Date: 07/11/2014 20:55 Calibration ID: 19516

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	24858 1369962	131014 2828938	290090		680607	1.00 50.0	5.00 100	10.0		25.0
n-Butylbenzene	DCB	Ave	27324 2366324	193417 4727671	481421		1116129	1.00 50.0	5.00 100	10.0		25.0
1,2-Dichlorobenzene	DCB	Ave	22633 1312532	127257 2680088	278703		659336	1.00 50.0	5.00 100	10.0		25.0
1,2-Dibromo-3-Chloropropane	DCB	Lin	1061 131939	6891 311105	17277		56504	1.00 50.0	5.00 100	10.0		25.0
1,2,4-Trichlorobenzene	DCB	Ave	12604 884775	75266 1707047	178693		435175	1.00 50.0	5.00 100	10.0		25.0
Hexachlorobutadiene	DCB	Ave	4991 427761	38039 782674	93694		206176	1.00 50.0	5.00 100	10.0		25.0
Naphthalene	DCB	Ave	35001 2371083	203304 4481112	474045		1216054	1.00 50.0	5.00 100	10.0		25.0
1,2,3-Trichlorobenzene	DCB	Ave	11898 782951	71954 1425318	167429		406111	1.00 50.0	5.00 100	10.0		25.0
Dibromofluoromethane (Surr)	FB	Ave	202079 226008	215813 229668	217812	202109	220365	25.0 25.0	25.0 25.0	25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	170288 168274	169349 168776	166893	171114	167141	25.0 25.0	25.0 25.0	25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	976156 987857	971976 991483	970033	973271	980521	25.0 25.0	25.0 25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	298993 319527	308650 323262	313605	297984	317032	25.0 25.0	25.0 25.0	25.0	25.0	25.0

Curve Type Legend:

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40110.D
 Lims ID: IC 0.5
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Jul-2014 18:40:30 ALS Bottle#: 59 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.5
 Misc. Info.: 480-0033718-004 =480-0033718-004
 Operator ID: NQ Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2014 18:08:06 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK053

First Level Reviewer: nguyendudziakng

Date: 17-Jul-2014 18:08:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	207978	25.0	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	406179	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	96	354976	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.060	4.060	0.000	58	202109	25.0	23.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.316	-0.001	0	171114	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.697	0.000	93	973271	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	88	297984	25.0	24.2	
10 Dichlorodifluoromethane	85		1.195					ND	
12 Chloromethane	50		1.322					ND	
13 Vinyl chloride	62		1.408					ND	
151 Butadiene	54		1.420					ND	
14 Bromomethane	94		1.645					ND	
15 Chloroethane	64		1.748					ND	
17 Trichlorofluoromethane	101		1.894					ND	
16 Dichlorofluoromethane	67		1.900					ND	
18 Ethyl ether	59		2.095					ND	
20 Acrolein	56		2.253					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.296					ND	
22 1,1-Dichloroethene	96		2.326					ND	
23 Acetone	43		2.387					ND	
25 Iodomethane	142		2.478					ND	
26 Carbon disulfide	76		2.490					ND	
28 3-Chloro-1-propene	41		2.588					ND	
27 Methyl acetate	43		2.624					ND	
30 Methylene Chloride	84		2.770					ND	
31 2-Methyl-2-propanol	59		2.843					ND	
32 Methyl tert-butyl ether	73		2.880					ND	
34 trans-1,2-Dichloroethene	96		2.892					ND	
33 Acrylonitrile	53	2.953	2.947	0.006	99	29493	5.00	5.00	
35 Hexane	57		3.044					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63		3.239					ND	
37 Vinyl acetate	43		3.281					ND	
44 2,2-Dichloropropane	77		3.665					ND	
45 cis-1,2-Dichloroethene	96		3.683					ND	
43 2-Butanone (MEK)	43		3.725					ND	
48 Chlorobromomethane	128		3.878					ND	
49 Tetrahydrofuran	42		3.896					ND	
50 Chloroform	83		3.932					ND	
52 Cyclohexane	56		4.030					ND	
51 1,1,1-Trichloroethane	97		4.030					ND	
55 Carbon tetrachloride	117		4.133					ND	
54 1,1-Dichloropropene	75		4.145					ND	
57 Benzene	78		4.316					ND	
53 Isobutyl alcohol	43		4.316					ND	
58 1,2-Dichloroethane	62		4.370					ND	
59 n-Heptane	43		4.443					ND	
62 Trichloroethene	95		4.790					ND	
64 Methylcyclohexane	83		4.881					ND	
65 1,2-Dichloropropane	63		4.985					ND	
67 Dibromomethane	93		5.088					ND	
66 1,4-Dioxane	88		5.094					ND	
68 Dichlorobromomethane	83		5.204					ND	
69 2-Chloroethyl vinyl ether	63		5.417					ND	
72 cis-1,3-Dichloropropene	75		5.526					ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.642					ND	
74 Toluene	92		5.745					ND	
77 trans-1,3-Dichloropropene	75		5.958					ND	
75 Ethyl methacrylate	69		5.989					ND	
79 1,1,2-Trichloroethane	83		6.104					ND	
81 Tetrachloroethene	166		6.147					ND	
82 1,3-Dichloropropane	76		6.232					ND	
80 2-Hexanone	43		6.281					ND	
83 Chlorodibromomethane	129		6.408					ND	
84 Ethylene Dibromide	107		6.493					ND	
87 Chlorobenzene	112		6.846					ND	
88 Ethylbenzene	91		6.913					ND	
89 1,1,1,2-Tetrachloroethane	131		6.913					ND	
90 m-Xylene & p-Xylene	106		7.004					ND	
91 o-Xylene	106		7.321					ND	
92 Styrene	104		7.345					ND	
95 Bromoform	173		7.534					ND	
94 Isopropylbenzene	105		7.607					ND	
101 Bromobenzene	156		7.881					ND	
97 1,1,2,2-Tetrachloroethane	83		7.917					ND	
99 N-Propylbenzene	91		7.935					ND	
100 1,2,3-Trichloropropane	110		7.947					ND	
98 trans-1,4-Dichloro-2-buten	53		7.954					ND	
103 2-Chlorotoluene	126		8.027					ND	
102 1,3,5-Trimethylbenzene	105		8.081					ND	
105 4-Chlorotoluene	126		8.118					ND	
106 tert-Butylbenzene	134		8.343					ND	
107 1,2,4-Trimethylbenzene	105		8.385					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105		8.519					ND	
110 4-Isopropyltoluene	119		8.635					ND	
111 1,3-Dichlorobenzene	146		8.635					ND	
113 1,4-Dichlorobenzene	146		8.714					ND	
115 n-Butylbenzene	91		8.976					ND	
116 1,2-Dichlorobenzene	146		9.024					ND	
117 1,2-Dibromo-3-Chloropropan	75		9.700					ND	
119 1,2,4-Trichlorobenzene	180		10.344					ND	
120 Hexachlorobutadiene	225		10.454					ND	
121 Naphthalene	128		10.557					ND	
122 1,2,3-Trichlorobenzene	180		10.752					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					0	
S 126 1,3-Dichloropropene, Total	1		30.000					0	
S 123 Total BTEX	1		30.000					0	
S 124 Xylenes, Total	1		30.000					0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

8260 CORP mix_00016	Amount Added: 0.50	Units: uL	
GAS CORP mix_00036	Amount Added: 0.50	Units: uL	
S_8260_IS_00082	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00088	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40110.D

Injection Date: 11-Jul-2014 18:40:30

Instrument ID: HP5973S

Operator ID: NQ

Lims ID: IC 0.5

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

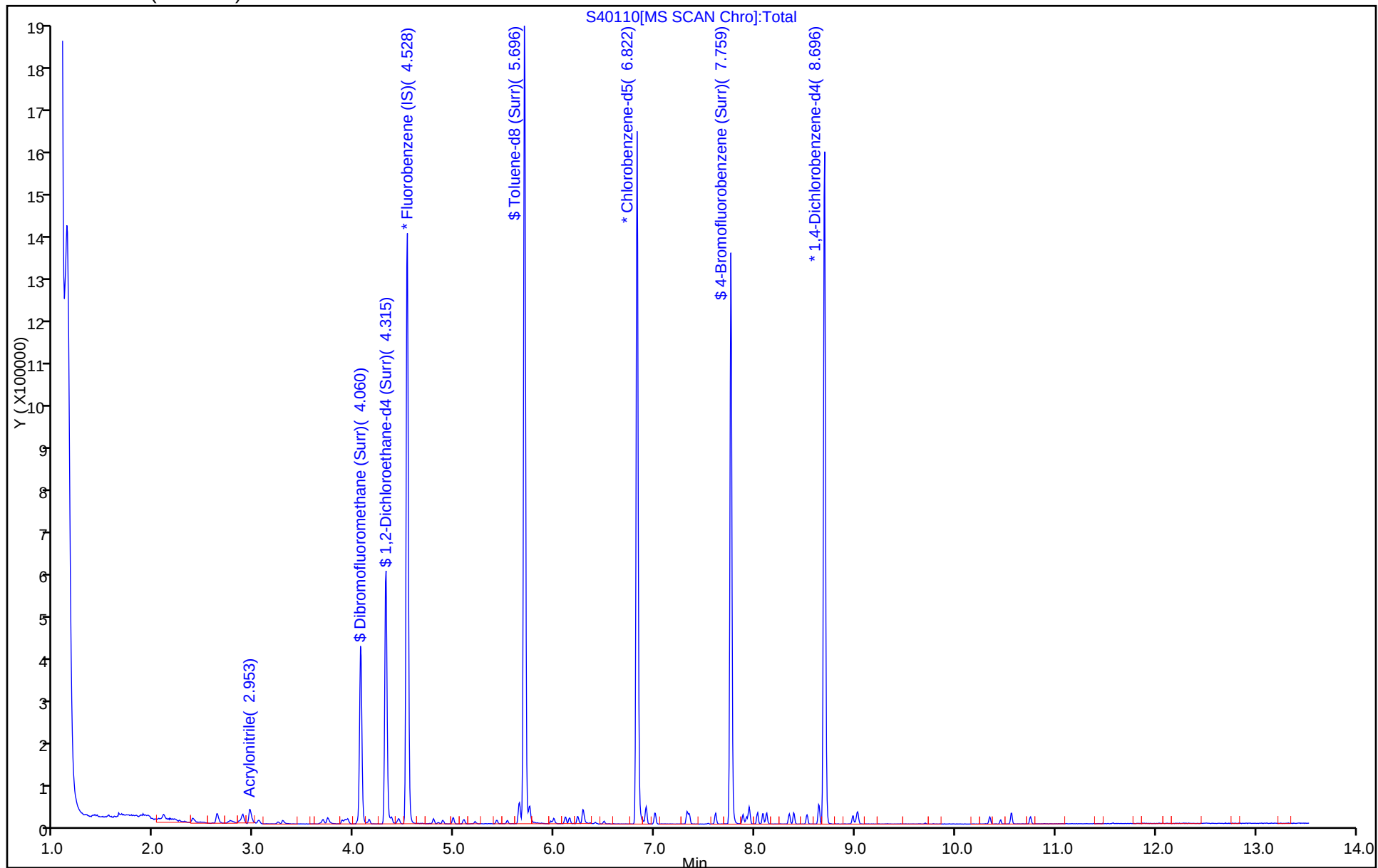
Dil. Factor: 1.0000

ALS Bottle#: 59

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40111.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Jul-2014 19:02:30 ALS Bottle#: 60 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0033718-005 =480-0033718-005
 Operator ID: NQ Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2014 18:08:17 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK053

First Level Reviewer: nguyendudziakng

Date: 17-Jul-2014 18:08:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	207345	25.0	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	85	401773	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	95	365211	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.060	4.060	0.000	65	202079	25.0	23.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.316	4.316	0.000	0	170288	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.697	0.000	93	976156	25.0	25.5	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	88	298993	25.0	24.5	
10 Dichlorodifluoromethane	85	1.189	1.195	-0.006	1	3434	1.00	1.02	
12 Chloromethane	50	1.322	1.322	0.000	71	9815	1.00	0.7367	
13 Vinyl chloride	62	1.401	1.408	-0.007	32	8696	1.00	0.6535	
151 Butadiene	54	1.426	1.420	0.006	54	7251	1.00	0.6257	
14 Bromomethane	94	1.669	1.645	0.024	1	4601	1.00	0.8395	
15 Chloroethane	64	1.736	1.748	-0.012	54	5866	1.00	0.7372	
17 Trichlorofluoromethane	101	1.900	1.894	0.006	3	5409	1.00	1.05	
16 Dichlorofluoromethane	67	1.900	1.900	0.000	47	11232	1.00	0.6464	
18 Ethyl ether	59	2.089	2.095	-0.006	86	10349	1.00	0.9817	
20 Acrolein	56	2.253	2.253	0.000	79	7985	5.00	5.10	
21 1,1,2-Trichloro-1,2,2-trif	101	2.296	2.296	0.000	1	750	1.00	1.02	M
22 1,1-Dichloroethene	96	2.314	2.326	-0.012	42	6896	1.00	0.6168	M
23 Acetone	43	2.393	2.387	0.006	90	30461	5.00	5.70	
25 Iodomethane	142	2.472	2.478	-0.006	74	12237	1.00	0.8102	
26 Carbon disulfide	76	2.484	2.490	-0.006	78	19402	1.00	1.29	
28 3-Chloro-1-propene	41	2.588	2.588	0.000	18	7381	1.00	0.7009	
27 Methyl acetate	43	2.624	2.624	0.000	96	65165	5.00	5.15	
30 Methylene Chloride	84	2.770	2.770	0.000	69	15692	1.00	1.16	
31 2-Methyl-2-propanol	59	2.849	2.843	0.006	81	13464	10.0	7.84	
32 Methyl tert-butyl ether	73	2.880	2.880	0.000	87	33976	1.00	0.9461	
34 trans-1,2-Dichloroethene	96	2.892	2.892	0.000	16	6953	1.00	0.6625	
33 Acrylonitrile	53	2.953	2.947	0.006	99	56639	10.0	9.63	
35 Hexane	57	3.050	3.044	0.006	82	5706	1.00	1.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.239	3.239	0.000	52	13882	1.00	0.7920	
37 Vinyl acetate	43	3.281	3.281	0.000	95	25772	2.00	2.49	
44 2,2-Dichloropropane	77	3.665	3.665	0.000	20	2938	1.00	1.24	
45 cis-1,2-Dichloroethene	96	3.689	3.683	0.006	36	8927	1.00	0.7893	
43 2-Butanone (MEK)	43	3.732	3.725	0.007	96	40299	5.00	4.90	
48 Chlorobromomethane	128	3.878	3.878	0.000	76	4468	1.00	0.8088	
49 Tetrahydrofuran	42	3.908	3.896	0.012	80	11634	2.00	2.13	
50 Chloroform	83	3.932	3.932	0.000	71	14887	1.00	0.8168	
51 1,1,1-Trichloroethane	97	4.030	4.030	0.000	47	4996	1.00	1.21	
52 Cyclohexane	56	4.036	4.030	0.006	49	6876	1.00	1.00	M
55 Carbon tetrachloride	117	4.133	4.133	0.000	40	3457	1.00	3.95	
54 1,1-Dichloropropene	75	4.151	4.145	0.006	63	8938	1.00	0.6630	
53 Isobutyl alcohol	43	4.322	4.316	0.006	40	12459	25.0	35.3	
57 Benzene	78	4.316	4.316	0.000	81	38072	1.00	0.8391	
58 1,2-Dichloroethane	62	4.370	4.370	0.000	81	16804	1.00	0.9691	
59 n-Heptane	43	4.443	4.443	0.000	77	10634	1.00	0.9745	
62 Trichloroethene	95	4.790	4.790	0.000	76	7951	1.00	0.7487	
64 Methylcyclohexane	83	4.881	4.881	0.000	60	6108	1.00	1.04	
65 1,2-Dichloropropane	63	4.985	4.985	0.000	73	9848	1.00	0.8517	
67 Dibromomethane	93	5.094	5.088	0.006	77	5918	1.00	0.8608	
66 1,4-Dioxane	88	5.106	5.094	0.012	55	2295	20.0	13.7	
68 Dichlorobromomethane	83	5.204	5.204	0.000	66	7559	1.00	1.38	
69 2-Chloroethyl vinyl ether	63	5.417	5.417	0.000	76	6589	1.00	0.7783	
72 cis-1,3-Dichloropropene	75	5.526	5.526	0.000	46	7796	1.00	1.36	
73 4-Methyl-2-pentanone (MIBK)	43	5.648	5.642	0.006	96	67837	5.00	4.39	
74 Toluene	92	5.751	5.745	0.006	90	23248	1.00	0.8492	
77 trans-1,3-Dichloropropene	75	5.958	5.958	0.000	60	6293	1.00	1.48	
75 Ethyl methacrylate	69	5.989	5.989	-0.001	75	11278	1.00	0.6889	
79 1,1,2-Trichloroethane	83	6.104	6.104	0.000	73	8357	1.00	0.9365	
81 Tetrachloroethene	166	6.147	6.147	0.000	79	8438	1.00	0.7545	
82 1,3-Dichloropropane	76	6.232	6.232	0.000	81	18304	1.00	0.9298	
80 2-Hexanone	43	6.281	6.281	0.000	95	51526	5.00	4.46	
83 Chlorodibromomethane	129	6.402	6.408	-0.006	26	3874	1.00	4.20	
84 Ethylene Dibromide	107	6.493	6.493	0.000	60	8307	1.00	0.8026	
87 Chlorobenzene	112	6.846	6.846	0.000	86	27459	1.00	0.8822	
89 1,1,1,2-Tetrachloroethane	131	6.913	6.913	0.000	44	4477	1.00	1.38	
88 Ethylbenzene	91	6.907	6.913	-0.006	96	40646	1.00	0.7795	
90 m-Xylene & p-Xylene	106	7.004	7.004	0.000	0	15833	1.00	0.7861	
91 o-Xylene	106	7.321	7.321	0.000	93	14976	1.00	0.7639	
92 Styrene	104	7.345	7.345	0.000	81	24860	1.00	0.7348	
95 Bromoform	173	7.534	7.534	0.000	34	2236	1.00	1.99	
94 Isopropylbenzene	105	7.607	7.607	0.000	85	37014	1.00	0.7341	
101 Bromobenzene	156	7.880	7.881	0.000	89	12400	1.00	0.9173	
97 1,1,2,2-Tetrachloroethane	83	7.917	7.917	0.000	72	12910	1.00	0.8732	
99 N-Propylbenzene	91	7.935	7.935	0.000	94	44330	1.00	0.7446	
100 1,2,3-Trichloropropane	110	7.947	7.947	0.000	63	4856	1.00	0.9418	
98 trans-1,4-Dichloro-2-buten	53	7.941	7.954	-0.013	1	596	1.00	4.56	M
103 2-Chlorotoluene	126	8.027	8.027	-0.001	91	10144	1.00	0.8382	
102 1,3,5-Trimethylbenzene	105	8.081	8.081	0.000	80	32082	1.00	0.7465	
105 4-Chlorotoluene	126	8.118	8.118	0.000	86	10976	1.00	0.8606	
106 tert-Butylbenzene	134	8.343	8.343	0.000	79	7047	1.00	0.7431	
107 1,2,4-Trimethylbenzene	105	8.385	8.385	0.000	90	33355	1.00	0.7505	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.519	8.519	0.000	76	36218	1.00	0.6846	
111 1,3-Dichlorobenzene	146	8.641	8.635	0.006	77	22690	1.00	0.8929	
110 4-Isopropyltoluene	119	8.635	8.635	0.000	91	31331	1.00	0.6929	
113 1,4-Dichlorobenzene	146	8.714	8.714	0.000	74	24858	1.00	0.9499	
115 n-Butylbenzene	91	8.976	8.976	0.000	86	27324	1.00	0.6732	
116 1,2-Dichlorobenzene	146	9.024	9.024	0.000	84	22633	1.00	0.9074	
117 1,2-Dibromo-3-Chloropropan	75	9.693	9.700	-0.007	1	1061	1.00	4.14	
119 1,2,4-Trichlorobenzene	180	10.344	10.344	0.000	65	12604	1.00	0.8044	
120 Hexachlorobutadiene	225	10.454	10.454	0.000	58	4991	1.00	0.6681	
121 Naphthalene	128	10.563	10.557	0.006	87	35001	1.00	0.8266	
122 1,2,3-Trichlorobenzene	180	10.752	10.752	0.000	76	11898	1.00	0.8310	
S 123 Total BTEX	1				0			4.02	
S 124 Xylenes, Total	1				0			1.55	
S 125 1,2-Dichloroethene, Total	1				0			1.45	
S 126 1,3-Dichloropropene, Total	1				0			2.84	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00016

Amount Added: 1.00

Units: uL

GAS CORP mix_00036

Amount Added: 1.00

Units: uL

S_8260_IS_00082

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00088

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40111.D

Injection Date: 11-Jul-2014 19:02:30

Instrument ID: HP5973S

Lims ID: IC

Operator ID: NQ

Client ID:

Worklist Smp#: 5

Purge Vol: 5.000 mL

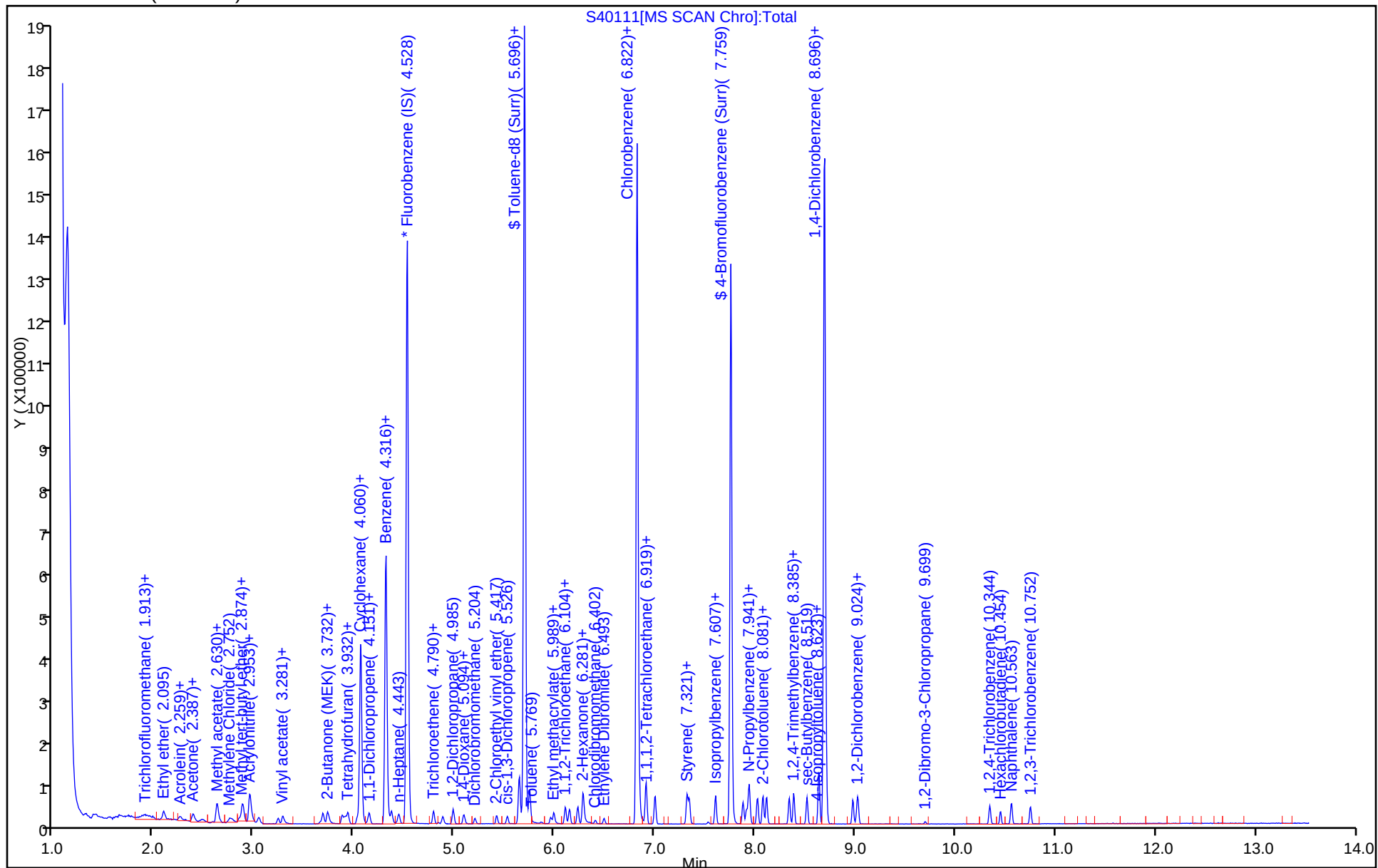
Dil. Factor: 1.0000

ALS Bottle#: 60

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40111.D

Injection Date: 11-Jul-2014 19:02:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: NQ

ALS Bottle#: 60

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

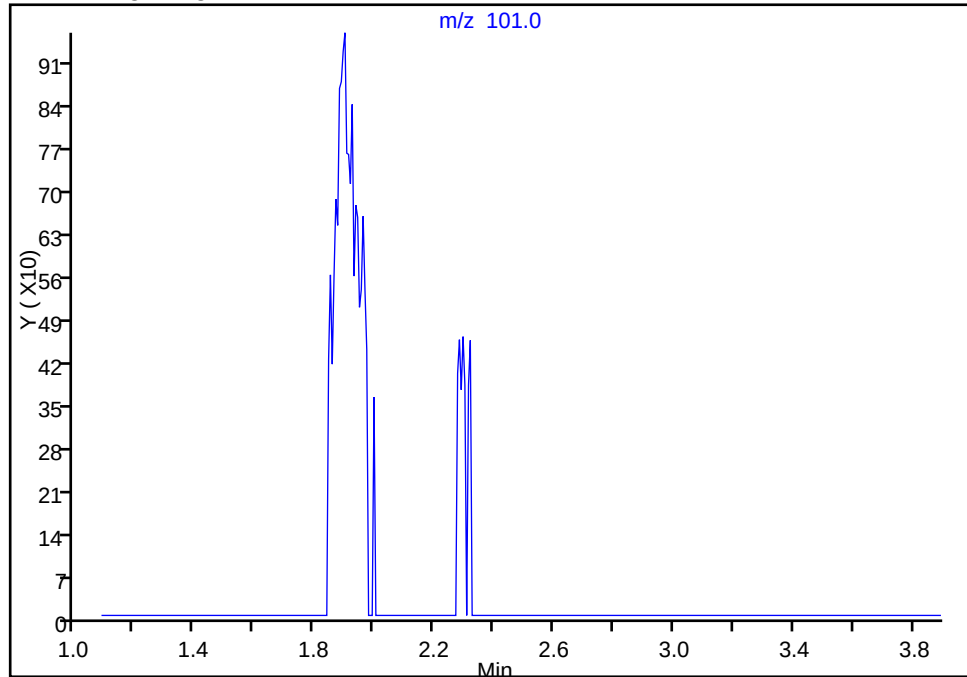
Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Not Detected

Expected RT: 2.30

Processing Integration Results

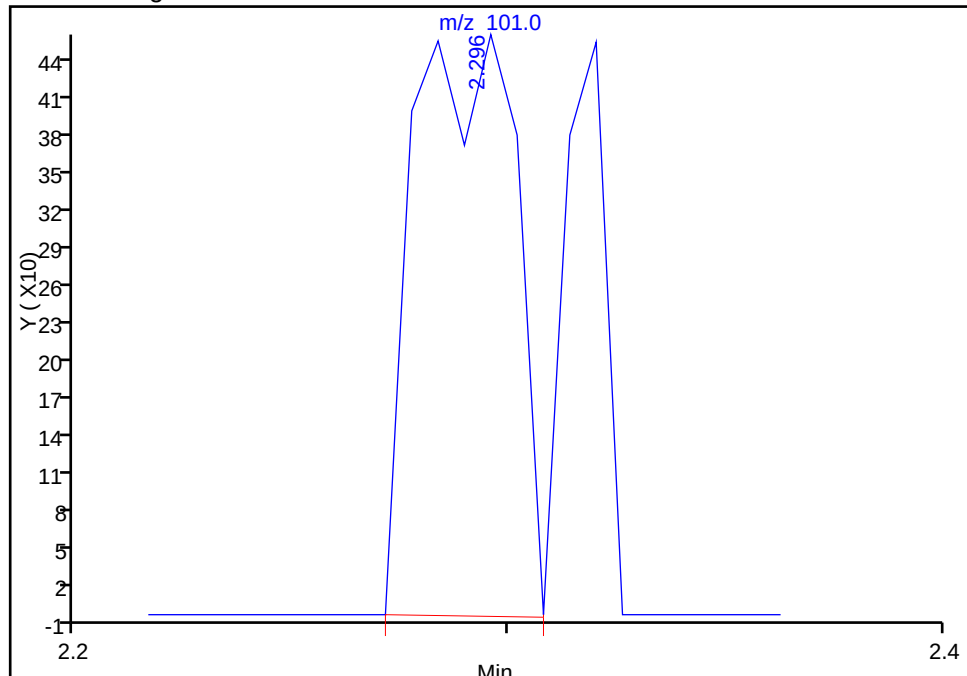


RT: 2.30

Response: 750

Amount: 1.022808

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 17:55:35

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40111.D

Injection Date: 11-Jul-2014 19:02:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: NQ

ALS Bottle#: 60

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

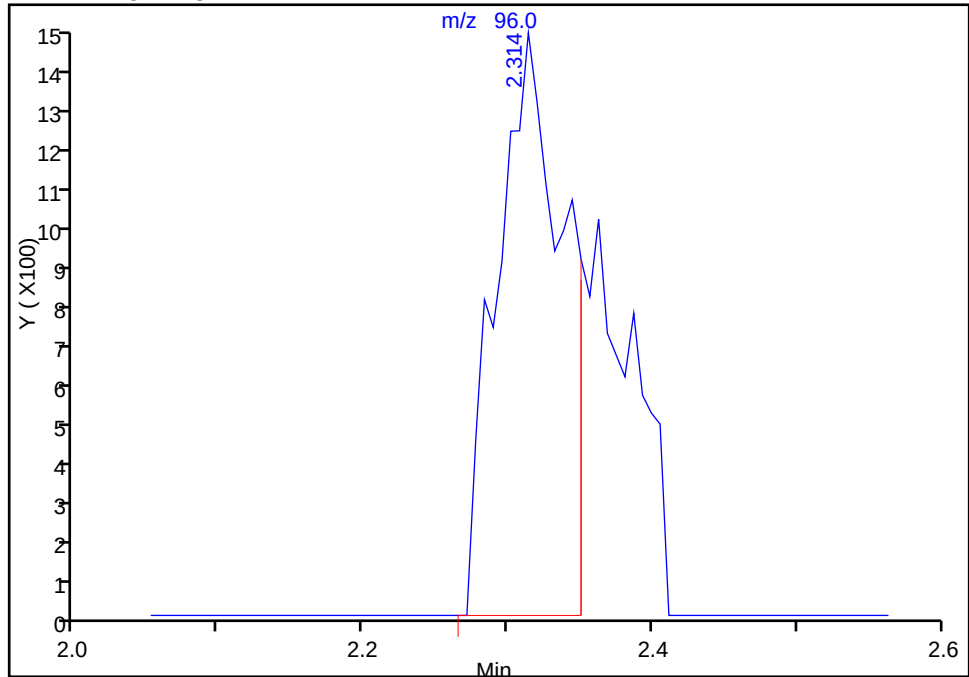
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

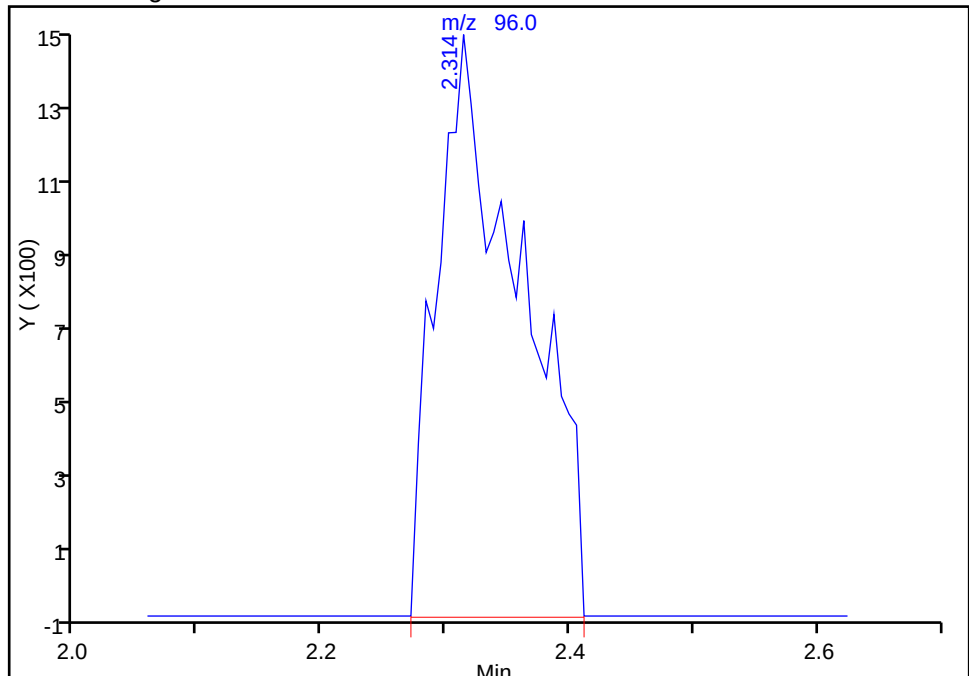
RT: 2.31
Response: 4677
Amount: 0.432649

Processing Integration Results



RT: 2.31
Response: 6896
Amount: 0.616817

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 17:55:35

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40111.D

Injection Date: 11-Jul-2014 19:02:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: NQ

ALS Bottle#: 60

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

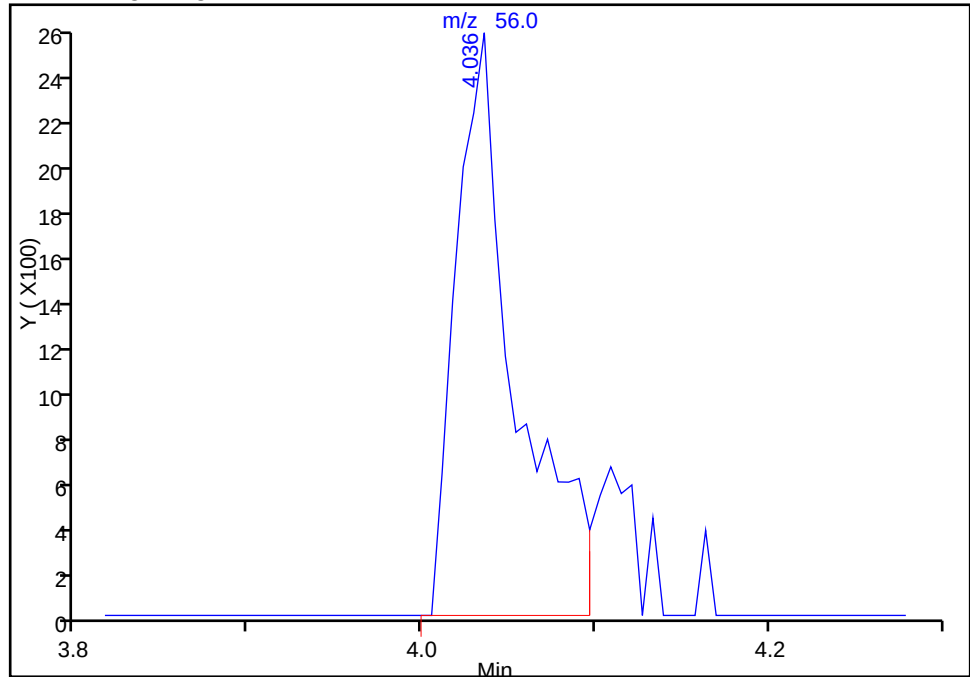
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

52 Cyclohexane, CAS: 110-82-7

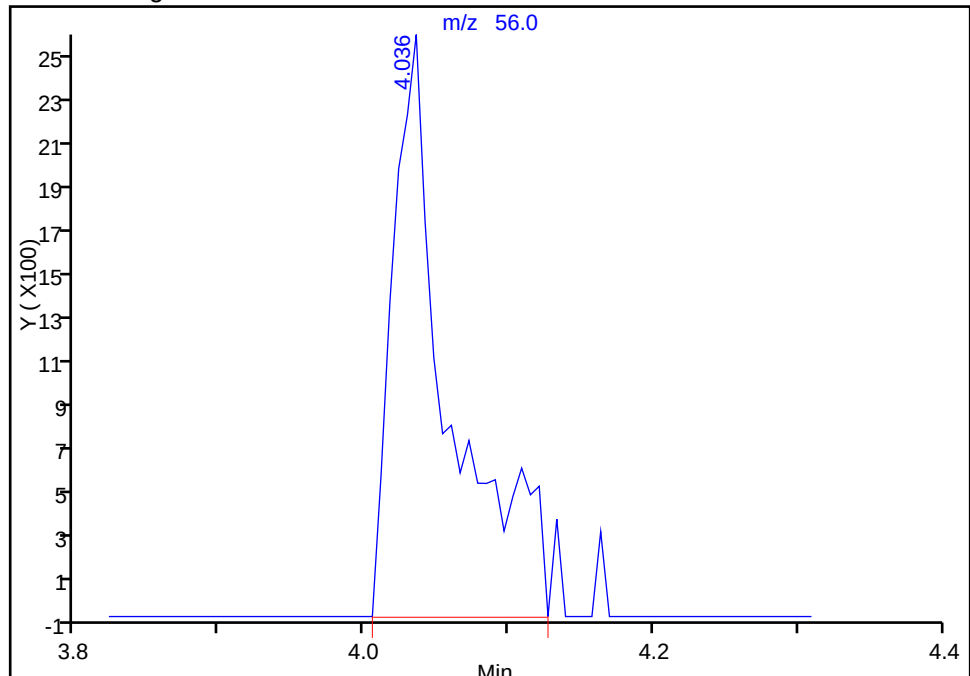
RT: 4.04
Response: 6032
Amount: 0.989352

Processing Integration Results



RT: 4.04
Response: 6876
Amount: 0.998037

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 18:02:23

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40111.D

Injection Date: 11-Jul-2014 19:02:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: NQ

ALS Bottle#: 60

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

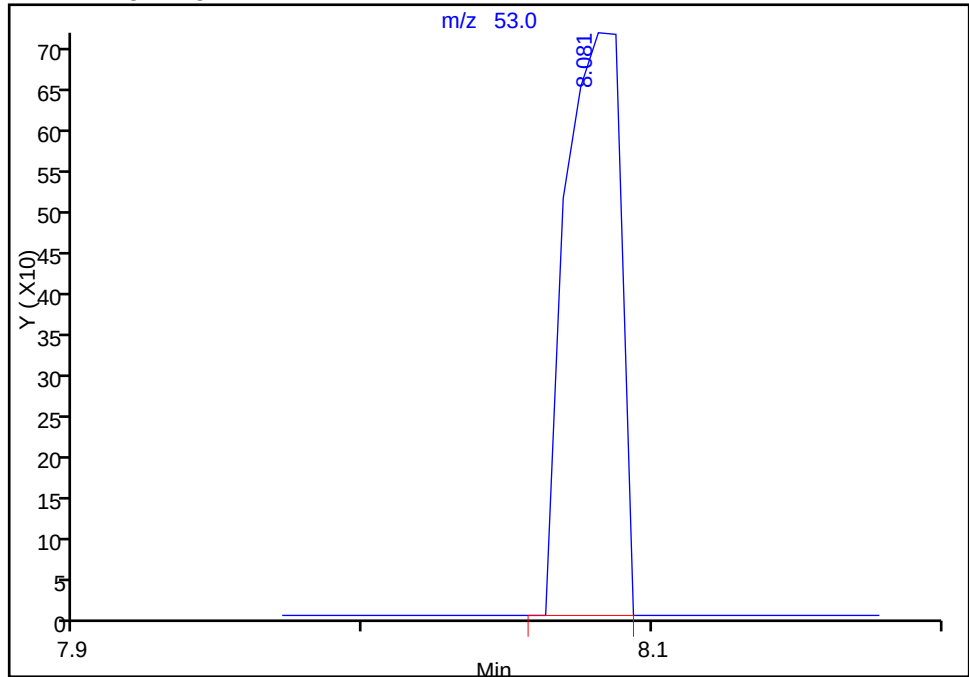
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

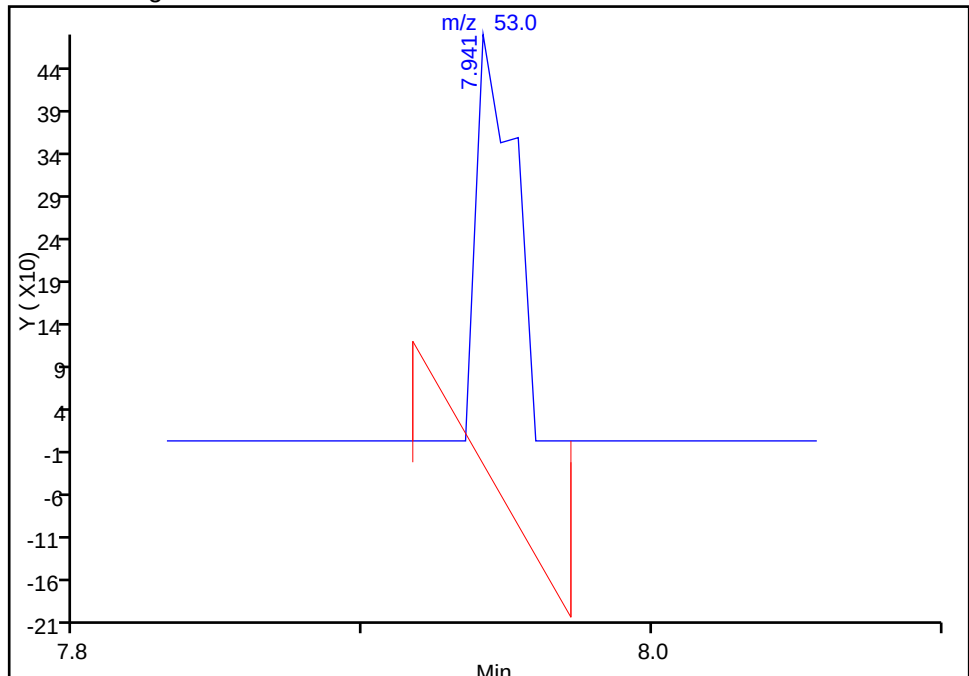
RT: 8.08
Response: 945
Amount: 4.620581

Processing Integration Results



RT: 7.94
Response: 596
Amount: 4.564295

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 18:02:23

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40112.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Jul-2014 19:25:30 ALS Bottle#: 61 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0033718-006 =480-0033718-006
 Operator ID: NQ Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2014 18:08:26 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK053

First Level Reviewer: nguyendudziakng

Date: 17-Jul-2014 18:08:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	208629	25.0	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	408530	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.695	8.696	-0.001	94	376106	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.060	4.060	0.000	59	215813	25.0	24.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.316	-0.001	0	169349	25.0	24.9	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.697	0.000	92	971976	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	89	308650	25.0	24.9	
10 Dichlorodifluoromethane	85	1.188	1.195	-0.007	81	48869	5.00	4.38	
12 Chloromethane	50	1.310	1.322	-0.012	89	63035	5.00	4.70	
13 Vinyl chloride	62	1.401	1.408	-0.007	81	64744	5.00	4.84	
151 Butadiene	54	1.420	1.420	0.000	92	61272	5.00	5.25	
14 Bromomethane	94	1.639	1.645	-0.006	92	24352	5.00	4.42	
15 Chloroethane	64	1.742	1.748	-0.006	89	38850	5.00	4.85	
17 Trichlorofluoromethane	101	1.894	1.894	0.000	51	63753	5.00	4.60	
16 Dichlorofluoromethane	67	1.888	1.900	-0.012	78	80020	5.00	4.58	
18 Ethyl ether	59	2.095	2.095	0.000	90	52560	5.00	4.96	
20 Acrolein	56	2.253	2.253	0.000	89	37390	25.0	23.7	
21 1,1,2-Trichloro-1,2,2-trif	101	2.308	2.296	0.012	55	37856	5.00	4.37	
22 1,1-Dichloroethene	96	2.314	2.326	-0.012	84	52991	5.00	4.71	
23 Acetone	43	2.387	2.387	0.000	99	137119	25.0	25.5	
25 Iodomethane	142	2.472	2.478	-0.006	97	77673	5.00	5.11	
26 Carbon disulfide	76	2.490	2.490	0.000	97	125837	5.00	4.08	M
28 3-Chloro-1-propene	41	2.581	2.588	-0.007	69	47259	5.00	4.46	
27 Methyl acetate	43	2.624	2.624	0.000	96	320665	25.0	25.2	
30 Methylene Chloride	84	2.758	2.770	-0.012	83	66375	5.00	4.87	
31 2-Methyl-2-propanol	59	2.849	2.843	0.006	90	79088	50.0	45.8	
32 Methyl tert-butyl ether	73	2.880	2.880	0.000	91	174824	5.00	4.84	
34 trans-1,2-Dichloroethene	96	2.892	2.892	0.000	87	51334	5.00	4.86	
33 Acrylonitrile	53	2.953	2.947	0.006	98	310454	50.0	52.4	
35 Hexane	57	3.044	3.044	0.000	90	54780	5.00	4.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.239	3.239	0.000	84	79532	5.00	4.51	
37 Vinyl acetate	43	3.281	3.281	0.000	98	163450	10.0	8.52	
44 2,2-Dichloropropane	77	3.664	3.665	-0.001	73	22726	5.00	4.27	
45 cis-1,2-Dichloroethene	96	3.689	3.683	0.006	68	54897	5.00	4.82	
43 2-Butanone (MEK)	43	3.725	3.725	0.000	100	201775	25.0	24.4	
48 Chlorobromomethane	128	3.877	3.878	-0.001	91	27032	5.00	4.86	
49 Tetrahydrofuran	42	3.902	3.896	0.006	85	53229	10.0	9.68	
50 Chloroform	83	3.932	3.932	0.000	81	87216	5.00	4.76	
52 Cyclohexane	56	4.035	4.030	0.005	91	75213	5.00	4.48	
51 1,1,1-Trichloroethane	97	4.029	4.030	-0.001	85	41020	5.00	4.38	
55 Carbon tetrachloride	117	4.139	4.133	0.006	69	30615	5.00	6.33	
54 1,1-Dichloropropene	75	4.151	4.145	0.006	92	64287	5.00	4.74	
57 Benzene	78	4.315	4.316	-0.001	79	222772	5.00	4.88	
53 Isobutyl alcohol	43	4.321	4.316	0.005	82	70088	125.0	101.2	
58 1,2-Dichloroethane	62	4.370	4.370	0.000	84	85562	5.00	4.90	
59 n-Heptane	43	4.443	4.443	0.000	91	70347	5.00	4.40	
62 Trichloroethene	95	4.790	4.790	0.000	92	50396	5.00	4.72	
64 Methylcyclohexane	83	4.881	4.881	0.000	90	65003	5.00	4.25	M
65 1,2-Dichloropropane	63	4.985	4.985	-0.001	89	56014	5.00	4.81	
67 Dibromomethane	93	5.088	5.088	0.000	90	32947	5.00	4.76	
66 1,4-Dioxane	88	5.106	5.094	0.012	91	17628	100.0	103.2	M
68 Dichlorobromomethane	83	5.204	5.204	0.000	89	45690	5.00	4.09	
69 2-Chloroethyl vinyl ether	63	5.416	5.417	-0.001	91	38451	5.00	4.51	
72 cis-1,3-Dichloropropene	75	5.526	5.526	0.000	84	56044	5.00	4.03	
73 4-Methyl-2-pentanone (MIBK)	43	5.642	5.642	0.000	98	401166	25.0	25.5	
74 Toluene	92	5.751	5.745	0.006	97	135969	5.00	4.88	
77 trans-1,3-Dichloropropene	75	5.958	5.958	0.000	91	43285	5.00	3.87	
75 Ethyl methacrylate	69	5.988	5.989	-0.001	89	72397	5.00	4.35	
79 1,1,2-Trichloroethane	83	6.104	6.104	0.000	88	44649	5.00	4.92	
81 Tetrachloroethene	166	6.146	6.147	-0.001	87	54729	5.00	4.81	
82 1,3-Dichloropropane	76	6.232	6.232	0.000	92	100116	5.00	5.00	
80 2-Hexanone	43	6.280	6.281	-0.001	97	293841	25.0	25.0	
83 Chlorodibromomethane	129	6.408	6.408	0.000	80	26361	5.00	6.34	
84 Ethylene Dibromide	107	6.493	6.493	0.000	99	49895	5.00	4.74	
87 Chlorobenzene	112	6.846	6.846	0.000	93	155758	5.00	4.92	
88 Ethylbenzene	91	6.913	6.913	0.000	99	258761	5.00	4.88	
89 1,1,1,2-Tetrachloroethane	131	6.913	6.913	0.000	77	31680	5.00	4.13	
90 m-Xylene & p-Xylene	106	7.004	7.004	0.000	0	97172	5.00	4.74	
91 o-Xylene	106	7.321	7.321	0.000	97	96392	5.00	4.84	
92 Styrene	104	7.345	7.345	0.000	96	162047	5.00	4.71	
95 Bromoform	173	7.534	7.534	0.000	88	14886	5.00	4.93	
94 Isopropylbenzene	105	7.607	7.607	0.000	96	246934	5.00	4.76	
101 Bromobenzene	156	7.880	7.881	0.000	94	67685	5.00	4.86	
97 1,1,2,2-Tetrachloroethane	83	7.917	7.917	0.000	85	74567	5.00	4.90	
99 N-Propylbenzene	91	7.935	7.935	0.000	99	292468	5.00	4.77	
100 1,2,3-Trichloropropane	110	7.947	7.947	0.000	85	27199	5.00	5.12	
98 trans-1,4-Dichloro-2-buten	53	7.953	7.954	-0.001	50	8404	5.00	6.27	
103 2-Chlorotoluene	126	8.026	8.027	-0.001	96	60974	5.00	4.89	
102 1,3,5-Trimethylbenzene	105	8.081	8.081	0.000	73	211136	5.00	4.77	
105 4-Chlorotoluene	126	8.118	8.118	0.000	98	63709	5.00	4.85	
106 tert-Butylbenzene	134	8.343	8.343	0.000	91	46565	5.00	4.77	
107 1,2,4-Trimethylbenzene	105	8.385	8.385	0.000	97	219952	5.00	4.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.519	8.519	0.000	94	261956	5.00	4.81	
110 4-Isopropyltoluene	119	8.635	8.635	0.000	96	221088	5.00	4.75	
111 1,3-Dichlorobenzene	146	8.641	8.635	0.006	77	129081	5.00	4.93	
113 1,4-Dichlorobenzene	146	8.714	8.714	0.000	92	131014	5.00	4.86	
115 n-Butylbenzene	91	8.975	8.976	-0.001	94	193417	5.00	4.63	
116 1,2-Dichlorobenzene	146	9.024	9.024	0.000	95	127257	5.00	4.95	
117 1,2-Dibromo-3-Chloropropan	75	9.699	9.700	-0.001	41	6891	5.00	6.06	
119 1,2,4-Trichlorobenzene	180	10.344	10.344	0.000	92	75266	5.00	4.66	
120 Hexachlorobutadiene	225	10.454	10.454	0.000	91	38039	5.00	4.94	
121 Naphthalene	128	10.563	10.557	0.006	97	203304	5.00	4.66	
122 1,2,3-Trichlorobenzene	180	10.752	10.752	0.000	95	71954	5.00	4.88	
S 125 1,2-Dichloroethene, Total	1				0			9.69	
S 126 1,3-Dichloropropene, Total	1				0			7.90	
S 123 Total BTEX	1				0			24.2	
S 124 Xylenes, Total	1				0			9.58	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00016	Amount Added: 5.00	Units: uL	
GAS CORP mix_00036	Amount Added: 5.00	Units: uL	
S_8260_IS_00082	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00088	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40112.D

Injection Date: 11-Jul-2014 19:25:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: NQ

Worklist Smp#: 6

Purge Vol: 5.000 mL

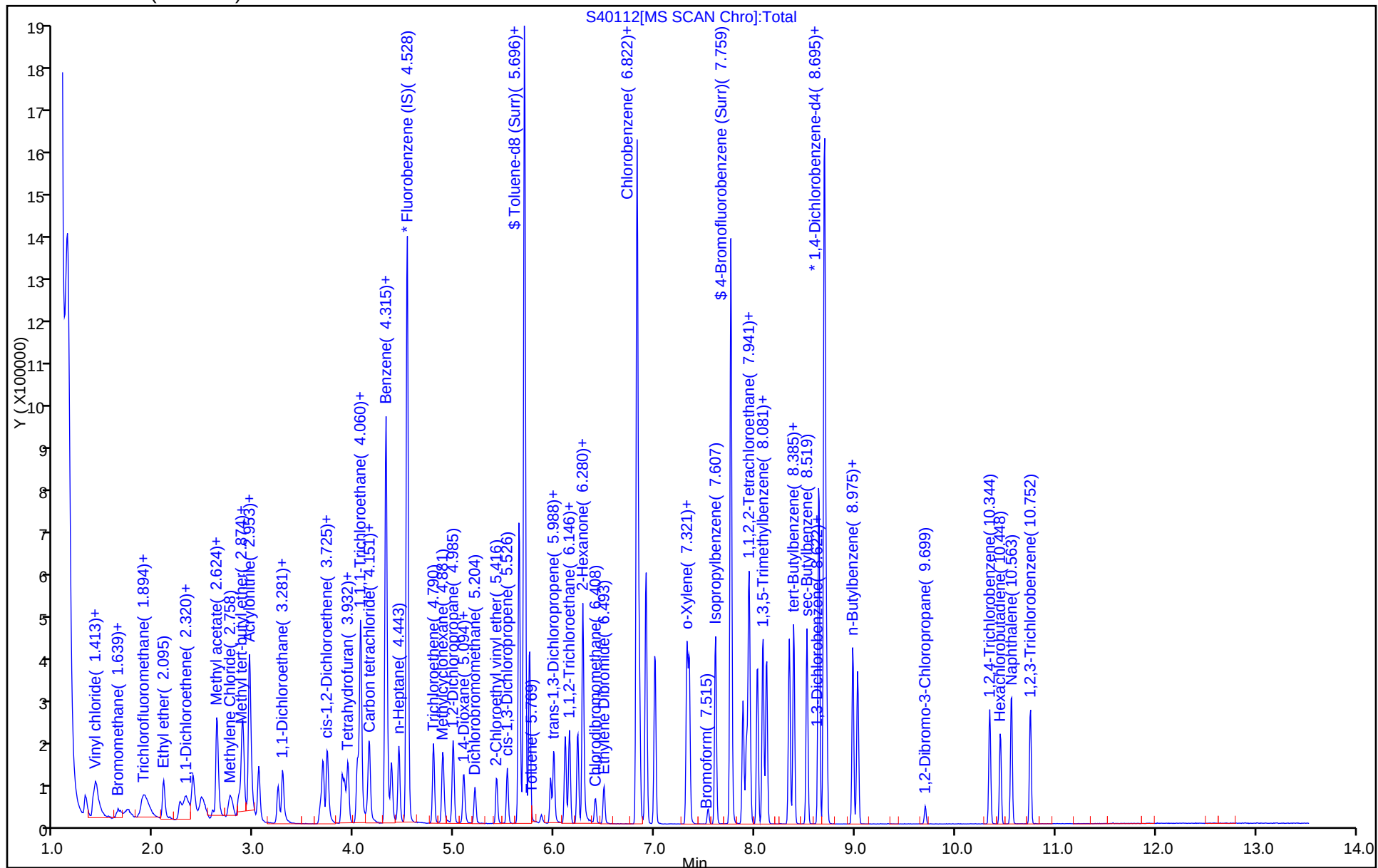
Dil. Factor: 1.0000

ALS Bottle#: 61

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40112.D

Injection Date: 11-Jul-2014 19:25:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: NQ

ALS Bottle#: 61

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

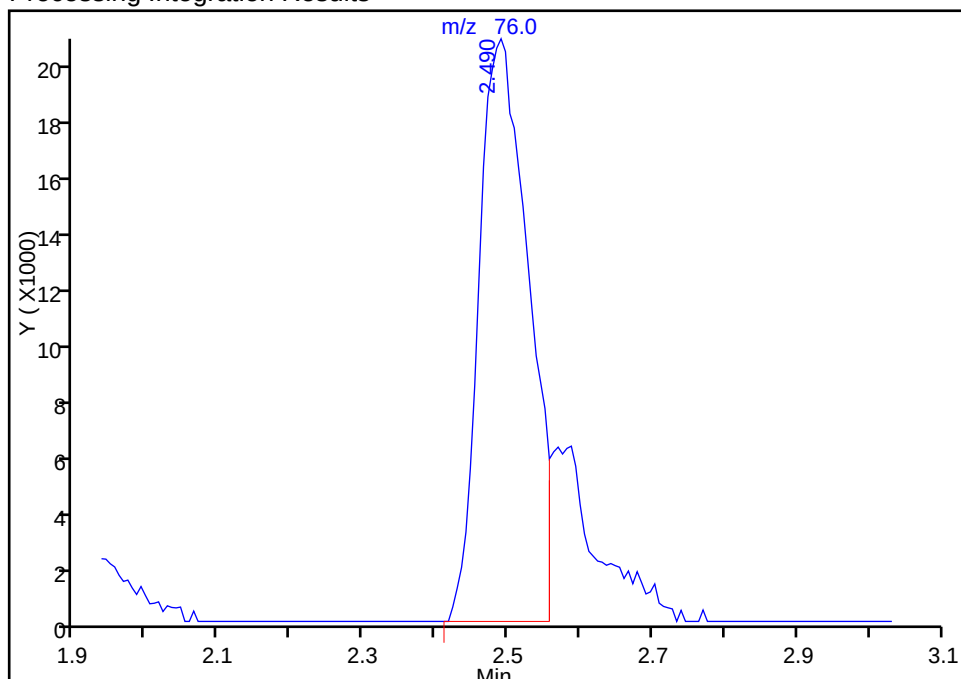
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

26 Carbon disulfide, CAS: 75-15-0

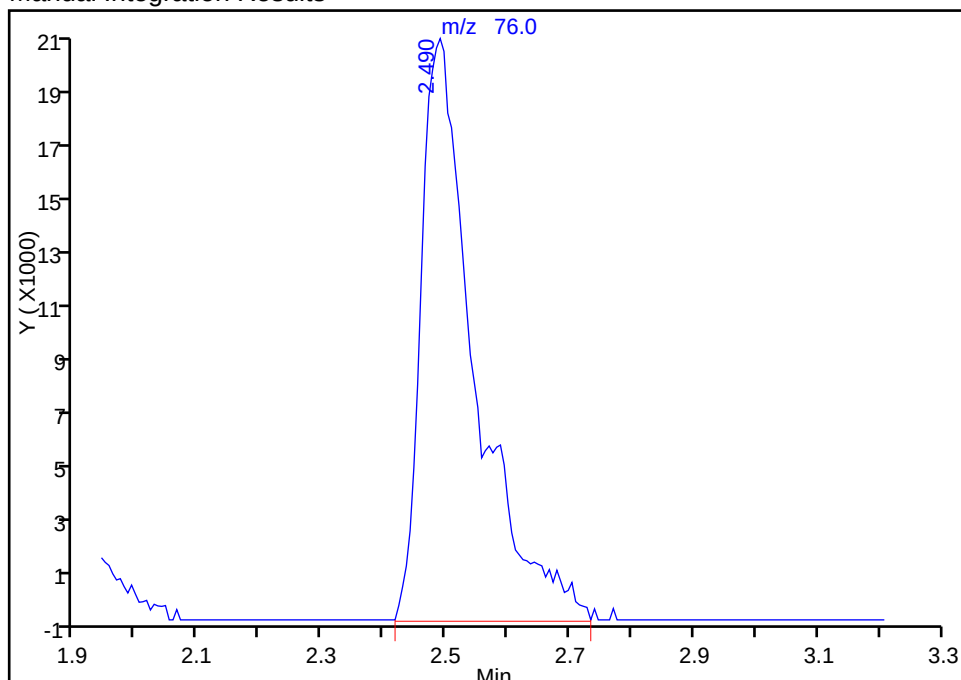
RT: 2.49
Response: 98186
Amount: 3.458058

Processing Integration Results



RT: 2.49
Response: 125837
Amount: 4.077639

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 18:03:31

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40112.D

Injection Date: 11-Jul-2014 19:25:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: NQ

ALS Bottle#: 61

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

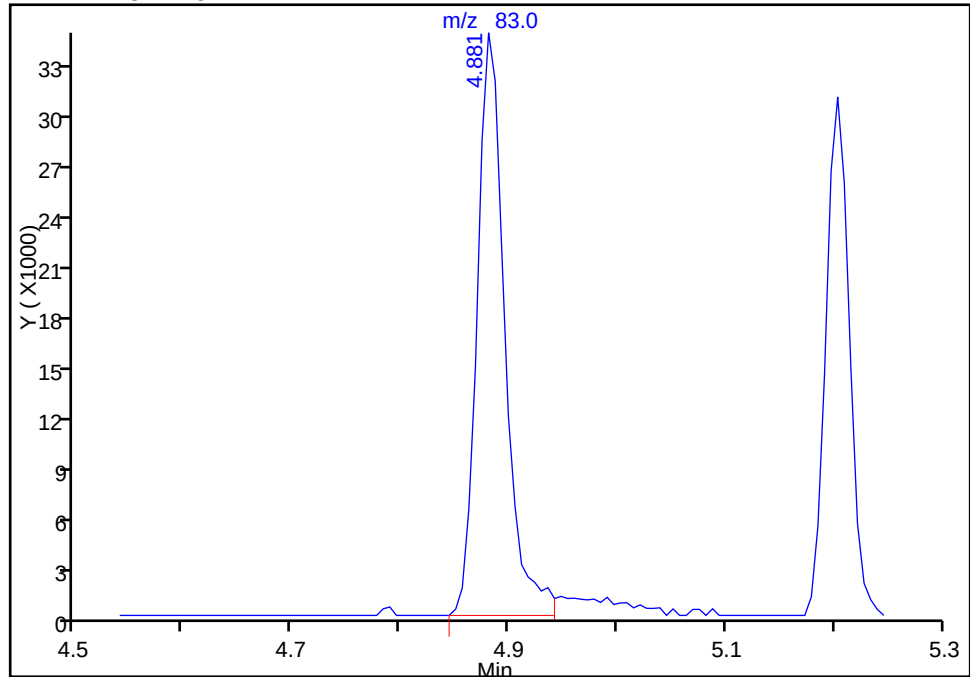
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

64 Methylcyclohexane, CAS: 108-87-2

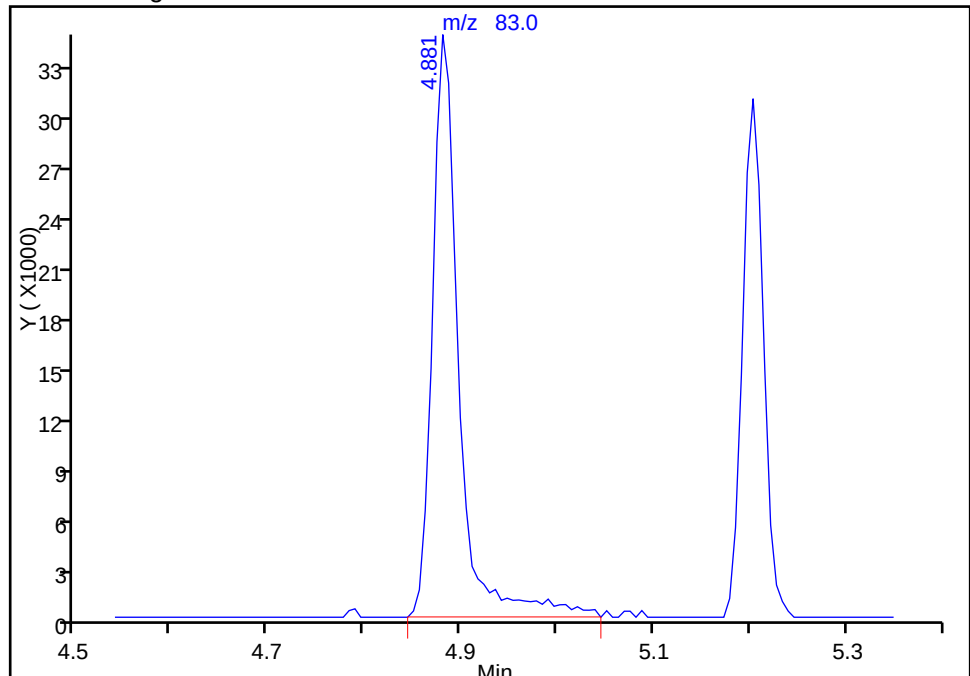
RT: 4.88
Response: 60784
Amount: 4.227463

Processing Integration Results



RT: 4.88
Response: 65003
Amount: 4.251101

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 17:47:34

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40112.D

Injection Date: 11-Jul-2014 19:25:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: NQ

ALS Bottle#: 61

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

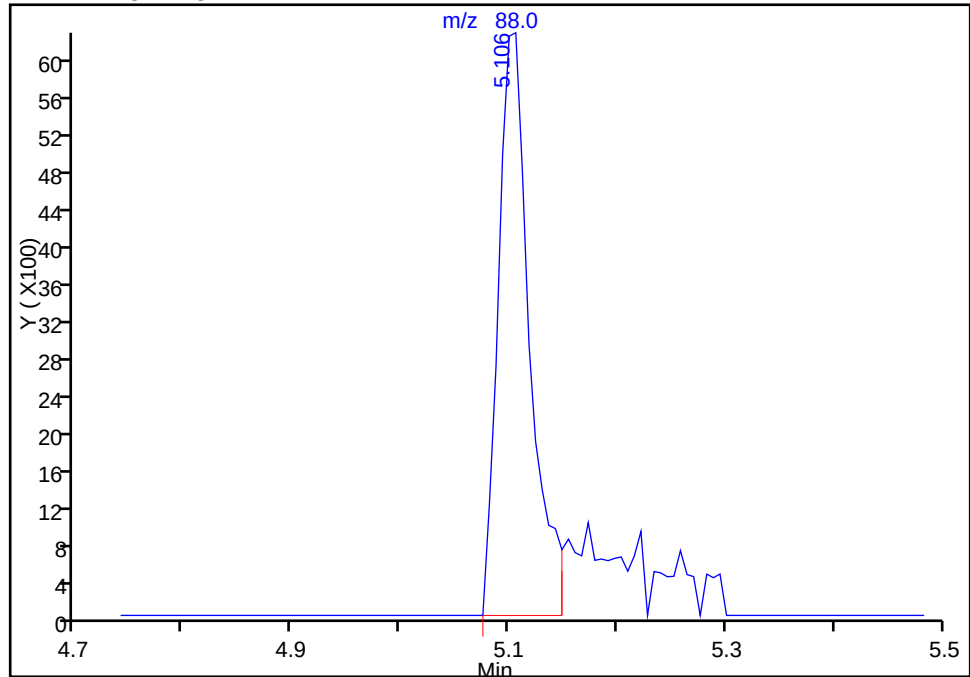
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

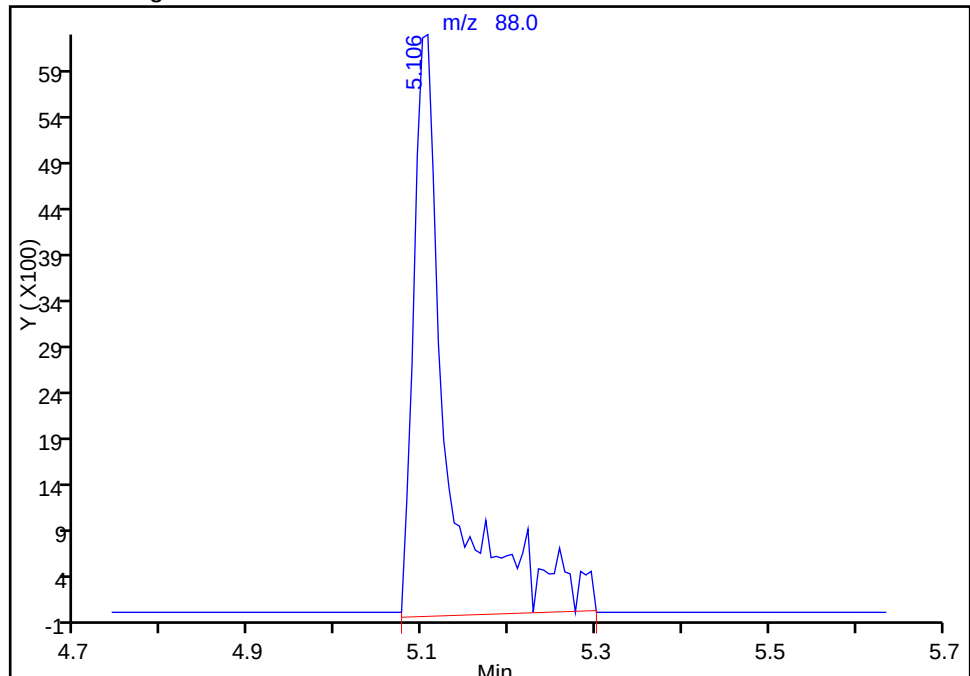
RT: 5.11
Response: 12725
Amount: 49.610432

Processing Integration Results



RT: 5.11
Response: 17628
Amount: 103.2489

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 17:50:15

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40113.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Jul-2014 19:47:30 ALS Bottle#: 62 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0033718-007 =480-0033718-007
 Operator ID: NQ Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2014 18:08:33 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK053

First Level Reviewer: nguyendudziakng

Date: 17-Jul-2014 18:08:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	203938	25.0	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	406888	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	95	375699	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.060	4.060	0.000	58	217812	25.0	25.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	166893	25.0	25.1	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.696	0.000	91	970033	25.0	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	88	313605	25.0	25.4	
10 Dichlorodifluoromethane	85	1.195	1.195	0.000	87	136315	10.0	11.1	
12 Chloromethane	50	1.322	1.322	0.000	89	144715	10.0	11.0	
13 Vinyl chloride	62	1.401	1.401	0.000	84	149936	10.0	11.5	
151 Butadiene	54	1.420	1.420	0.000	93	131384	10.0	11.5	
14 Bromomethane	94	1.675	1.675	0.000	89	47259	10.0	8.77	
15 Chloroethane	64	1.748	1.748	0.000	93	87400	10.0	11.2	
17 Trichlorofluoromethane	101	1.900	1.900	0.000	54	157957	10.0	10.6	
16 Dichlorofluoromethane	67	1.894	1.894	0.000	81	185205	10.0	10.8	
18 Ethyl ether	59	2.095	2.095	0.000	88	110416	10.0	10.6	
20 Acrolein	56	2.253	2.253	0.000	97	75320	50.0	48.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.290	2.290	0.000	77	112610	10.0	11.3	
22 1,1-Dichloroethene	96	2.320	2.320	0.000	88	130991	10.0	11.9	
23 Acetone	43	2.393	2.393	0.000	99	271928	50.0	51.8	
25 Iodomethane	142	2.478	2.478	0.000	75	159245	10.0	10.7	
26 Carbon disulfide	76	2.484	2.484	0.000	98	325811	10.0	9.52	
28 3-Chloro-1-propene	41	2.588	2.588	0.000	72	108297	10.0	10.5	
27 Methyl acetate	43	2.624	2.624	0.000	96	653633	50.0	52.5	
30 Methylene Chloride	84	2.770	2.770	0.000	82	143862	10.0	10.8	
31 2-Methyl-2-propanol	59	2.843	2.843	0.000	92	169443	100.0	100.3	
32 Methyl tert-butyl ether	73	2.880	2.880	0.000	92	366638	10.0	10.4	
34 trans-1,2-Dichloroethene	96	2.892	2.892	0.000	86	120373	10.0	11.7	
33 Acrylonitrile	53	2.953	2.953	0.000	99	612396	100.0	105.8	
35 Hexane	57	3.044	3.044	0.000	91	167817	10.0	11.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.239	3.239	0.000	86	179674	10.0	10.4	
37 Vinyl acetate	43	3.281	3.281	0.000	97	373381	20.0	18.1	
44 2,2-Dichloropropane	77	3.664	3.664	0.000	81	56027	10.0	9.57	
45 cis-1,2-Dichloroethene	96	3.689	3.689	0.000	68	123876	10.0	11.1	
43 2-Butanone (MEK)	43	3.725	3.725	0.000	100	421210	50.0	52.1	
48 Chlorobromomethane	128	3.877	3.877	0.000	94	59022	10.0	10.9	
49 Tetrahydrofuran	42	3.902	3.902	0.000	86	111444	20.0	20.7	
50 Chloroform	83	3.932	3.932	0.000	81	196297	10.0	11.0	
51 1,1,1-Trichloroethane	97	4.029	4.029	0.000	87	100073	10.0	9.78	
52 Cyclohexane	56	4.029	4.029	0.000	92	205618	10.0	11.4	
55 Carbon tetrachloride	117	4.139	4.139	0.000	62	73318	10.0	10.2	
54 1,1-Dichloropropene	75	4.151	4.151	0.000	93	154091	10.0	11.6	
53 Isobutyl alcohol	43	4.322	4.322	0.000	88	155269	250.0	202.9	
57 Benzene	78	4.315	4.315	0.000	94	501944	10.0	11.2	
58 1,2-Dichloroethane	62	4.370	4.370	0.000	85	183685	10.0	10.8	
59 n-Heptane	43	4.443	4.443	0.000	92	194922	10.0	11.8	
62 Trichloroethene	95	4.790	4.790	0.000	93	117718	10.0	11.3	
64 Methylcyclohexane	83	4.881	4.881	0.000	92	193521	10.0	11.5	M
65 1,2-Dichloropropane	63	4.985	4.985	0.000	90	123589	10.0	10.9	
67 Dibromomethane	93	5.088	5.088	0.000	90	72316	10.0	10.7	
66 1,4-Dioxane	88	5.100	5.100	0.000	91	36413	200.0	214.1	M
68 Dichlorobromomethane	83	5.204	5.204	0.000	92	107829	10.0	8.70	
69 2-Chloroethyl vinyl ether	63	5.417	5.417	0.000	91	87090	10.0	10.5	
72 cis-1,3-Dichloropropene	75	5.526	5.526	0.000	88	139062	10.0	8.81	
73 4-Methyl-2-pentanone (MIBK)	43	5.642	5.642	0.000	97	838759	50.0	53.6	
74 Toluene	92	5.751	5.751	0.000	98	306576	10.0	11.1	
77 trans-1,3-Dichloropropene	75	5.958	5.958	0.000	93	110485	10.0	8.24	
75 Ethyl methacrylate	69	5.988	5.988	0.000	89	174287	10.0	10.5	
79 1,1,2-Trichloroethane	83	6.104	6.104	0.000	88	95755	10.0	10.6	
81 Tetrachloroethene	166	6.147	6.147	0.000	88	129886	10.0	11.5	
82 1,3-Dichloropropane	76	6.232	6.232	0.000	93	211735	10.0	10.6	
80 2-Hexanone	43	6.280	6.280	0.000	97	623639	50.0	53.2	
83 Chlorodibromomethane	129	6.408	6.408	0.000	88	63335	10.0	9.89	
84 Ethylene Dibromide	107	6.493	6.493	0.000	97	110792	10.0	10.6	
87 Chlorobenzene	112	6.846	6.846	0.000	92	348448	10.0	11.1	
89 1,1,1,2-Tetrachloroethane	131	6.913	6.913	0.000	82	76697	10.0	8.74	
88 Ethylbenzene	91	6.913	6.913	0.000	99	598735	10.0	11.3	
90 m-Xylene & p-Xylene	106	6.998	6.998	0.000	0	228704	10.0	11.2	
91 o-Xylene	106	7.321	7.321	0.000	98	224025	10.0	11.3	
92 Styrene	104	7.345	7.345	0.000	95	379187	10.0	11.1	
95 Bromoform	173	7.534	7.534	0.000	95	34189	10.0	9.22	
94 Isopropylbenzene	105	7.607	7.607	0.000	96	592868	10.0	11.4	
101 Bromobenzene	156	7.880	7.880	0.000	95	150175	10.0	10.8	
97 1,1,2,2-Tetrachloroethane	83	7.917	7.917	0.000	82	158524	10.0	10.4	
99 N-Propylbenzene	91	7.935	7.935	0.000	97	702716	10.0	11.5	
100 1,2,3-Trichloropropane	110	7.947	7.947	0.000	84	56049	10.0	10.6	
98 trans-1,4-Dichloro-2-buten	53	7.953	7.953	0.000	58	24796	10.0	9.86	
103 2-Chlorotoluene	126	8.026	8.026	0.000	96	138693	10.0	11.1	
102 1,3,5-Trimethylbenzene	105	8.081	8.081	0.000	74	502927	10.0	11.4	
105 4-Chlorotoluene	126	8.118	8.118	0.000	98	145693	10.0	11.1	
106 tert-Butylbenzene	134	8.343	8.343	0.000	91	111007	10.0	11.4	
107 1,2,4-Trimethylbenzene	105	8.385	8.385	0.000	98	519999	10.0	11.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.519	8.519	0.000	95	635003	10.0	11.7	
111 1,3-Dichlorobenzene	146	8.635	8.635	0.000	72	287228	10.0	11.0	
110 4-Isopropyltoluene	119	8.635	8.635	0.000	96	539589	10.0	11.6	
113 1,4-Dichlorobenzene	146	8.714	8.714	0.000	92	290090	10.0	10.8	
115 n-Butylbenzene	91	8.975	8.975	0.000	95	481421	10.0	11.5	
116 1,2-Dichlorobenzene	146	9.024	9.024	0.000	96	278703	10.0	10.9	
117 1,2-Dibromo-3-Chloropropan	75	9.699	9.699	0.000	53	17277	10.0	9.51	
119 1,2,4-Trichlorobenzene	180	10.344	10.344	0.000	92	178693	10.0	11.1	
120 Hexachlorobutadiene	225	10.448	10.448	0.000	94	93694	10.0	12.2	
121 Naphthalene	128	10.563	10.563	0.000	97	474045	10.0	10.9	
122 1,2,3-Trichlorobenzene	180	10.752	10.752	0.000	94	167429	10.0	11.4	
S 123 Total BTEX	1				0			56.1	
S 124 Xylenes, Total	1				0			22.5	
S 125 1,2-Dichloroethene, Total	1				0			22.8	
S 126 1,3-Dichloropropene, Total	1				0			17.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00016	Amount Added: 5.00	Units: uL	
GAS CORP mix_00036	Amount Added: 5.00	Units: uL	
S_8260_IS_00082	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00088	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40113.D

Injection Date: 11-Jul-2014 19:47:30

Instrument ID: HP5973S

Lims ID: IC 3

Operator ID: NQ

Client ID:

Worklist Smp#: 7

Purge Vol: 5.000 mL

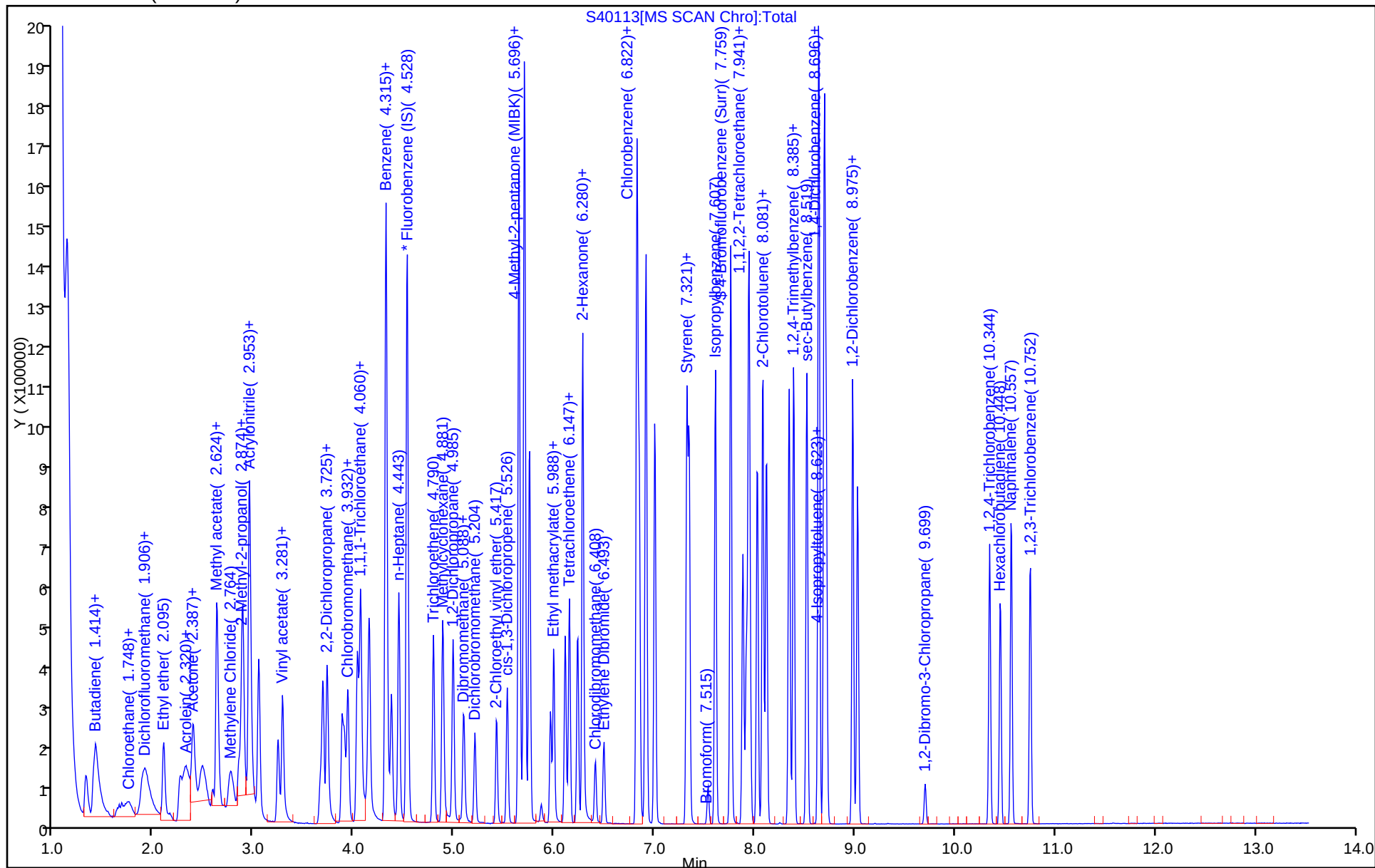
Dil. Factor: 1.0000

ALS Bottle#: 62

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40113.D

Injection Date: 11-Jul-2014 19:47:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: NQ

ALS Bottle#:

62

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

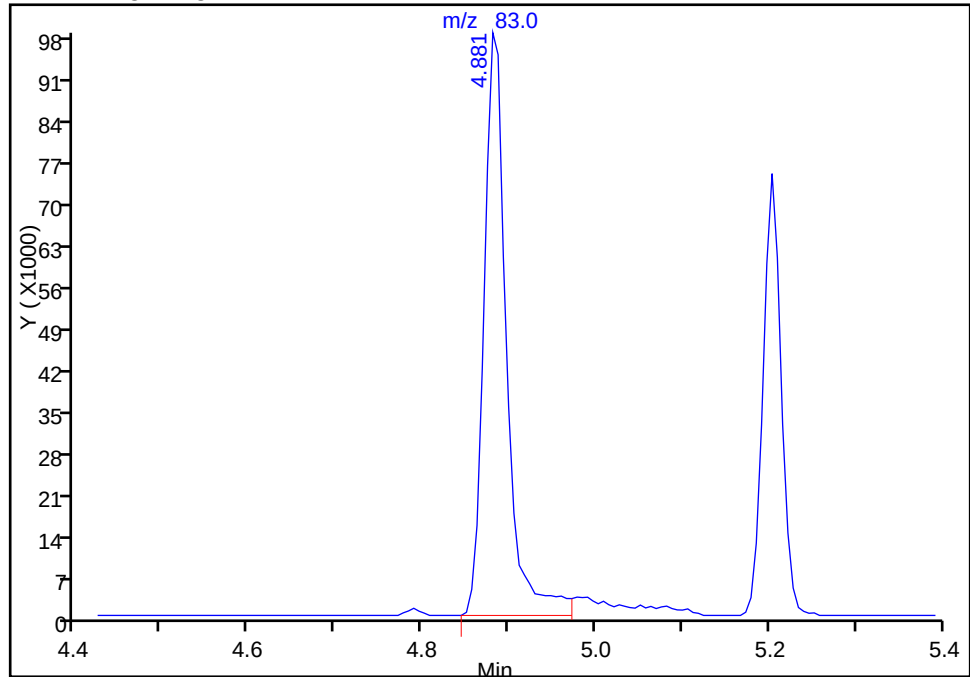
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

64 Methylcyclohexane, CAS: 108-87-2

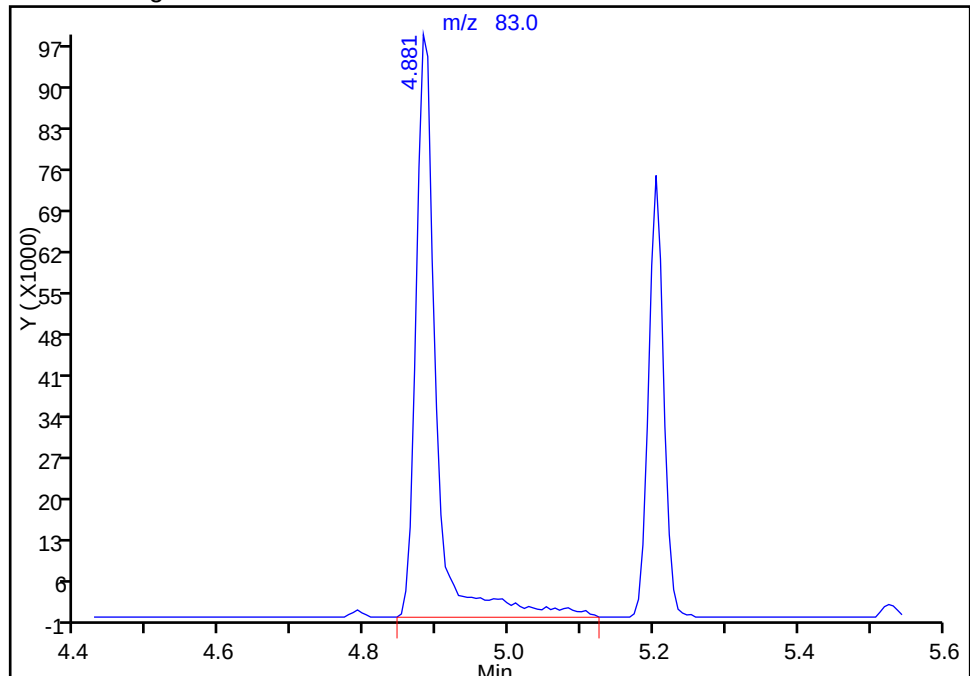
RT: 4.88
Response: 178927
Amount: 11.852075

Processing Integration Results



RT: 4.88
Response: 193521
Amount: 11.497215

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 17:47:10

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40113.D

Injection Date: 11-Jul-2014 19:47:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: NQ

ALS Bottle#:

62

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

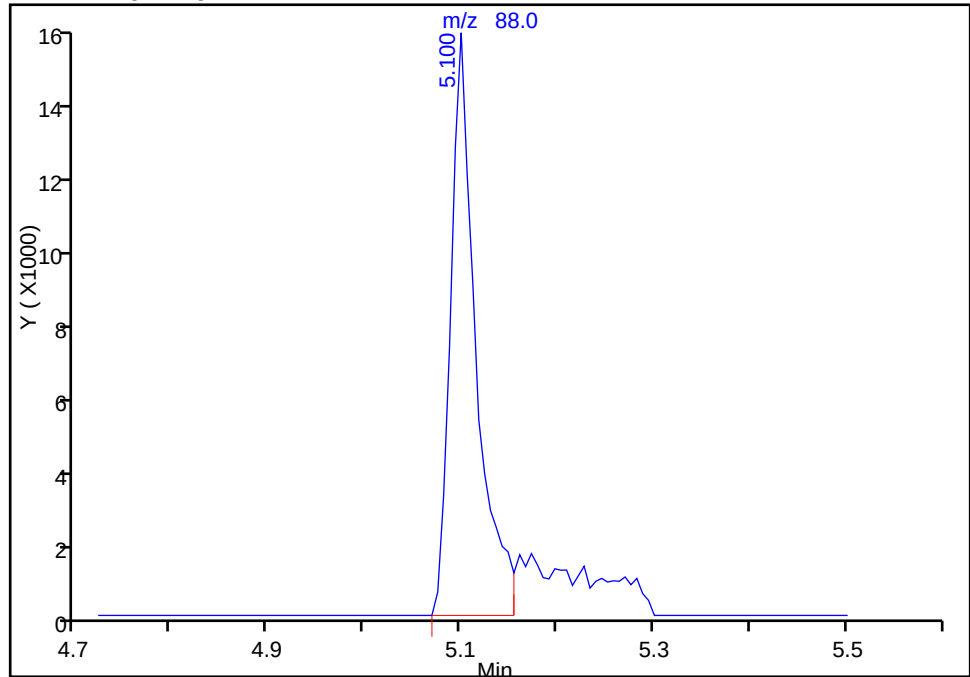
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

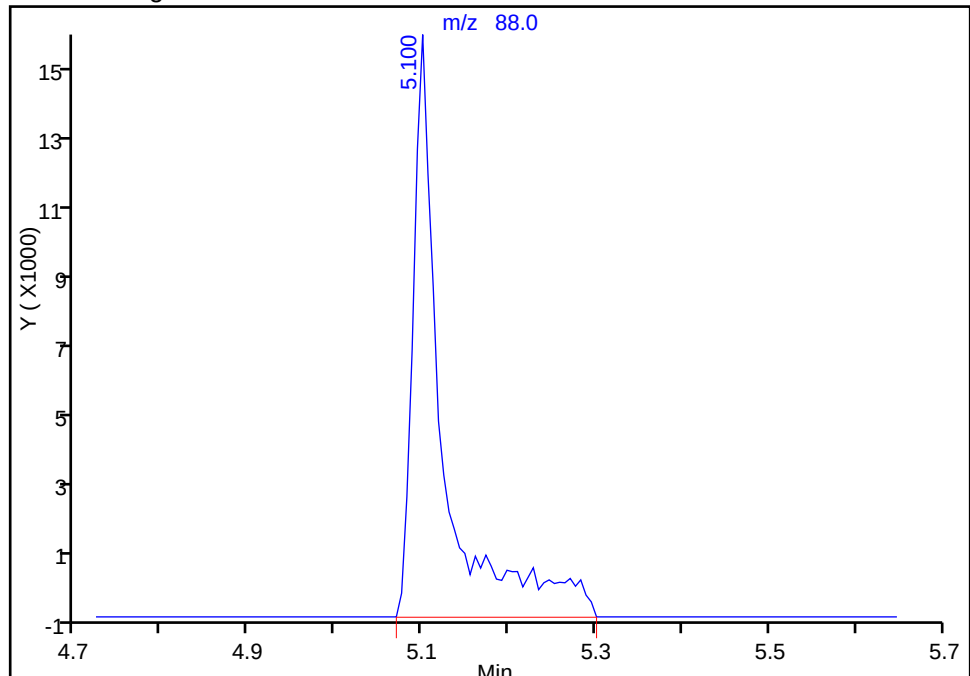
RT: 5.10
Response: 27813
Amount: 152.7039

Processing Integration Results



RT: 5.10
Response: 36413
Amount: 214.1351

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 17:50:33

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40114.D
 Lims ID: ICIS 4
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 11-Jul-2014 20:10:30 ALS Bottle#: 63 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 4
 Misc. Info.: 480-0033718-008 =480-0033718-008
 Operator ID: NQ Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2014 18:13:28 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK053

First Level Reviewer: nguyendudziakng

Date: 17-Jul-2014 18:08:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	200799	25.0	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	85	410446	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	94	378966	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.060	4.060	0.000	58	220365	25.0	26.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.316	4.316	0.000	0	167141	25.0	25.5	
\$ 5 Toluene-d8 (Surr)	98	5.697	5.697	0.000	91	980521	25.0	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	88	317032	25.0	25.5	
10 Dichlorodifluoromethane	85	1.195	1.195	0.000	87	314552	25.0	24.9	
12 Chloromethane	50	1.322	1.322	0.000	89	344295	25.0	26.7	
13 Vinyl chloride	62	1.408	1.408	0.000	83	355371	25.0	27.6	
151 Butadiene	54	1.420	1.420	0.000	91	313705	25.0	28.0	
14 Bromomethane	94	1.645	1.645	0.000	92	138829	25.0	26.2	
15 Chloroethane	64	1.748	1.748	0.000	94	212297	25.0	27.6	
17 Trichlorofluoromethane	101	1.894	1.894	0.000	52	377454	25.0	24.6	
16 Dichlorofluoromethane	67	1.900	1.900	0.000	82	471425	25.0	28.0	
18 Ethyl ether	59	2.095	2.095	0.000	90	259131	25.0	25.4	
20 Acrolein	56	2.253	2.253	0.000	99	188415	125.0	124.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.296	2.296	0.000	80	240932	25.0	23.5	
22 1,1-Dichloroethene	96	2.326	2.326	0.000	85	286411	25.0	26.5	
23 Acetone	43	2.387	2.387	0.000	99	655291	125.0	126.7	
25 Iodomethane	142	2.478	2.478	0.000	99	383547	25.0	26.2	
26 Carbon disulfide	76	2.490	2.490	0.000	100	807961	25.0	22.8	
28 3-Chloro-1-propene	41	2.588	2.588	0.000	82	274338	25.0	26.9	
27 Methyl acetate	43	2.624	2.624	0.000	96	1593549	125.0	129.9	
30 Methylene Chloride	84	2.770	2.770	0.000	84	315331	25.0	24.0	
31 2-Methyl-2-propanol	59	2.843	2.843	0.000	94	448797	250.0	269.8	
32 Methyl tert-butyl ether	73	2.880	2.880	0.000	91	912980	25.0	26.3	
34 trans-1,2-Dichloroethene	96	2.892	2.892	0.000	91	271523	25.0	26.7	
33 Acrylonitrile	53	2.947	2.947	0.000	99	1487434	250.0	261.0	
35 Hexane	57	3.044	3.044	0.000	91	335957	25.0	23.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.239	3.239	0.000	85	425432	25.0	25.1	
37 Vinyl acetate	43	3.281	3.281	0.000	97	1051271	50.0	49.3	
44 2,2-Dichloropropane	77	3.665	3.665	0.000	85	139865	25.0	23.1	
45 cis-1,2-Dichloroethene	96	3.683	3.683	0.000	70	286800	25.0	26.2	
43 2-Butanone (MEK)	43	3.725	3.725	0.000	100	1053117	125.0	132.2	
48 Chlorobromomethane	128	3.878	3.878	0.000	94	141393	25.0	26.4	
49 Tetrahydrofuran	42	3.896	3.896	0.000	87	271928	50.0	51.4	
50 Chloroform	83	3.932	3.932	0.000	81	461799	25.0	26.2	
51 1,1,1-Trichloroethane	97	4.030	4.030	0.000	91	242458	25.0	22.9	
52 Cyclohexane	56	4.030	4.030	0.000	91	429972	25.0	23.4	
55 Carbon tetrachloride	117	4.133	4.133	0.000	77	197291	25.0	21.6	
54 1,1-Dichloropropene	75	4.145	4.145	0.000	93	341168	25.0	26.1	
57 Benzene	78	4.316	4.316	0.000	96	1127362	25.0	25.7	
53 Isobutyl alcohol	43	4.316	4.316	0.000	90	474756	625.0	586.1	
58 1,2-Dichloroethane	62	4.370	4.370	0.000	90	429205	25.0	25.6	
59 n-Heptane	43	4.443	4.443	0.000	92	380298	25.0	23.1	
62 Trichloroethene	95	4.790	4.790	0.000	93	268446	25.0	26.1	
64 Methylcyclohexane	83	4.881	4.881	0.000	91	394405	25.0	23.0	M
65 1,2-Dichloropropane	63	4.985	4.985	0.000	91	292995	25.0	26.2	
67 Dibromomethane	93	5.088	5.088	0.000	92	173821	25.0	26.1	
66 1,4-Dioxane	88	5.094	5.094	0.000	94	91775	500.0	535.0	M
68 Dichlorobromomethane	83	5.204	5.204	0.000	93	295137	25.0	22.7	
69 2-Chloroethyl vinyl ether	63	5.417	5.417	0.000	92	224738	25.0	27.4	
72 cis-1,3-Dichloropropene	75	5.526	5.526	0.000	89	387270	25.0	23.2	
73 4-Methyl-2-pentanone (MIBK)	43	5.642	5.642	0.000	97	2092514	125.0	132.5	
74 Toluene	92	5.745	5.745	0.000	98	702486	25.0	25.1	
77 trans-1,3-Dichloropropene	75	5.958	5.958	0.000	92	326177	25.0	22.1	
75 Ethyl methacrylate	69	5.989	5.989	0.000	89	461209	25.0	27.6	
79 1,1,2-Trichloroethane	83	6.104	6.104	0.000	89	229879	25.0	25.2	
81 Tetrachloroethene	166	6.147	6.147	0.000	88	289004	25.0	25.3	
82 1,3-Dichloropropane	76	6.232	6.232	0.000	92	510298	25.0	25.4	
80 2-Hexanone	43	6.281	6.281	0.000	96	1564012	125.0	132.4	
83 Chlorodibromomethane	129	6.408	6.408	0.000	89	190711	25.0	21.9	
84 Ethylene Dibromide	107	6.493	6.493	0.000	98	278908	25.0	26.4	
87 Chlorobenzene	112	6.846	6.846	0.000	92	794788	25.0	25.0	
89 1,1,1,2-Tetrachloroethane	131	6.913	6.913	0.000	85	210832	25.0	22.2	
88 Ethylbenzene	91	6.913	6.913	0.000	99	1357167	25.0	25.5	
90 m-Xylene & p-Xylene	106	7.004	7.004	0.000	0	527798	25.0	25.7	
91 o-Xylene	106	7.321	7.321	0.000	97	516529	25.0	25.8	
92 Styrene	104	7.345	7.345	0.000	95	910493	25.0	26.3	
95 Bromoform	173	7.534	7.534	0.000	97	113371	25.0	24.5	
94 Isopropylbenzene	105	7.607	7.607	0.000	96	1362685	25.0	26.0	
101 Bromobenzene	156	7.881	7.881	0.000	95	353920	25.0	25.2	
97 1,1,2,2-Tetrachloroethane	83	7.917	7.917	0.000	89	399549	25.0	26.0	
99 N-Propylbenzene	91	7.935	7.935	0.000	97	1589261	25.0	25.7	
100 1,2,3-Trichloropropane	110	7.947	7.947	0.000	83	136933	25.0	25.6	
98 trans-1,4-Dichloro-2-buten	53	7.954	7.954	0.000	64	81031	25.0	22.0	
103 2-Chlorotoluene	126	8.027	8.027	0.000	96	320033	25.0	25.5	
102 1,3,5-Trimethylbenzene	105	8.081	8.081	0.000	72	1161430	25.0	26.0	
105 4-Chlorotoluene	126	8.118	8.118	0.000	97	335124	25.0	25.3	
106 tert-Butylbenzene	134	8.343	8.343	0.000	92	253831	25.0	25.8	
107 1,2,4-Trimethylbenzene	105	8.385	8.385	0.000	98	1203561	25.0	26.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.519	8.519	0.000	94	1435348	25.0	26.1	
111 1,3-Dichlorobenzene	146	8.635	8.635	0.000	73	670490	25.0	25.4	
110 4-Isopropyltoluene	119	8.635	8.635	0.000	94	1229215	25.0	26.2	
113 1,4-Dichlorobenzene	146	8.714	8.714	0.000	94	680607	25.0	25.1	
115 n-Butylbenzene	91	8.976	8.976	0.000	95	1116129	25.0	26.5	
116 1,2-Dichlorobenzene	146	9.024	9.024	0.000	96	659336	25.0	25.5	
117 1,2-Dibromo-3-Chloropropan	75	9.700	9.700	0.000	75	56504	25.0	22.4	
119 1,2,4-Trichlorobenzene	180	10.344	10.344	0.000	93	435175	25.0	26.8	
120 Hexachlorobutadiene	225	10.454	10.454	0.000	95	206176	25.0	26.6	
121 Naphthalene	128	10.557	10.557	0.000	97	1216054	25.0	27.7	
122 1,2,3-Trichlorobenzene	180	10.752	10.752	0.000	94	406111	25.0	27.3	
S 123 Total BTEX	1				0			127.7	
S 124 Xylenes, Total	1				0			51.4	
S 125 1,2-Dichloroethene, Total	1				0			52.9	
S 126 1,3-Dichloropropene, Total	1				0			45.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00016

Amount Added: 12.50

Units: uL

GAS CORP mix_00036

Amount Added: 12.50

Units: uL

S_8260_IS_00082

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00088

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40114.D

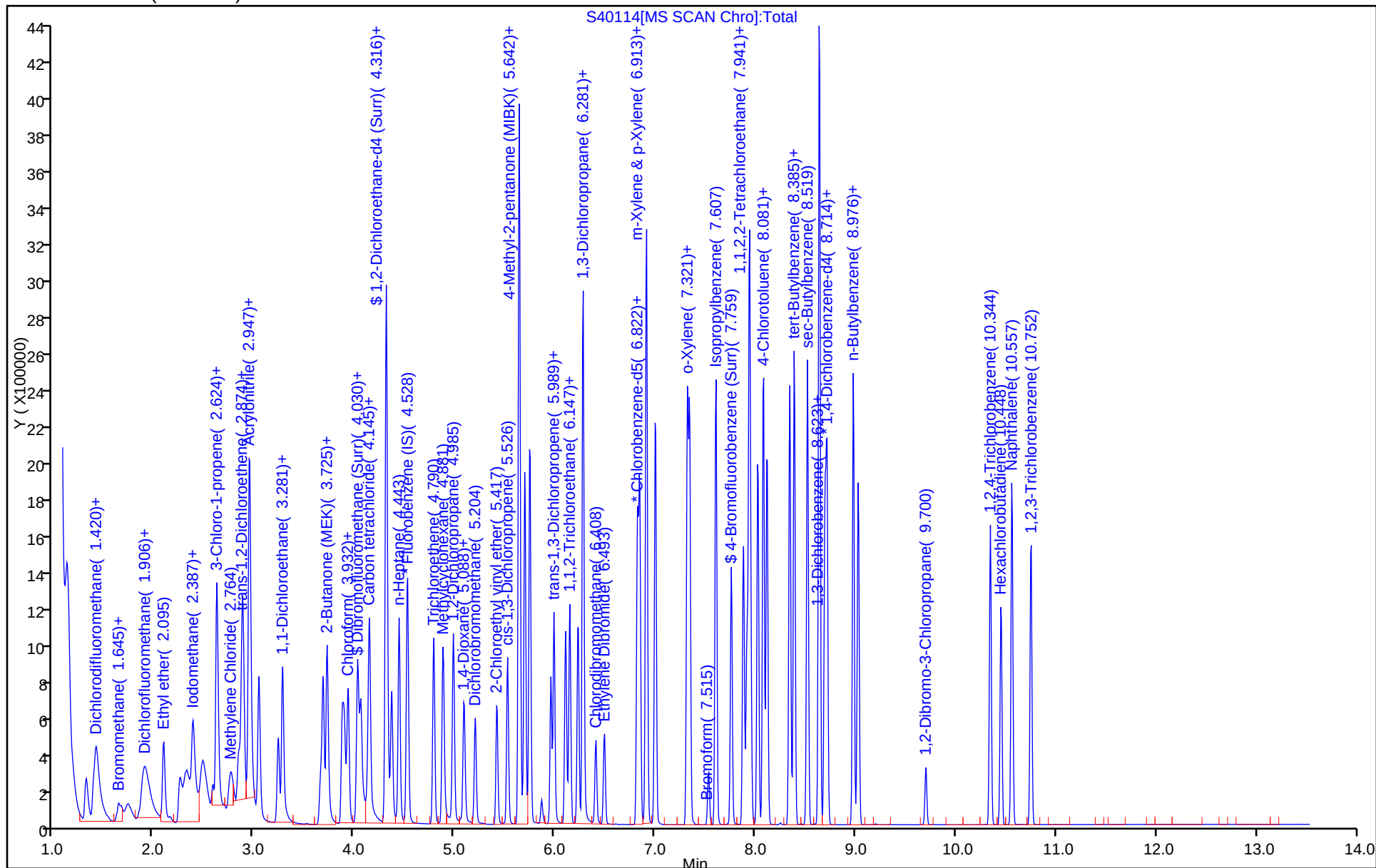
Operator ID: NQ

Worklist Smp#: 8

ALS Bottle#: 63

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40114.D

Injection Date: 11-Jul-2014 20:10:30

Instrument ID: HP5973S

Lims ID: ICIS 4

Client ID:

Operator ID: NQ

ALS Bottle#: 63

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

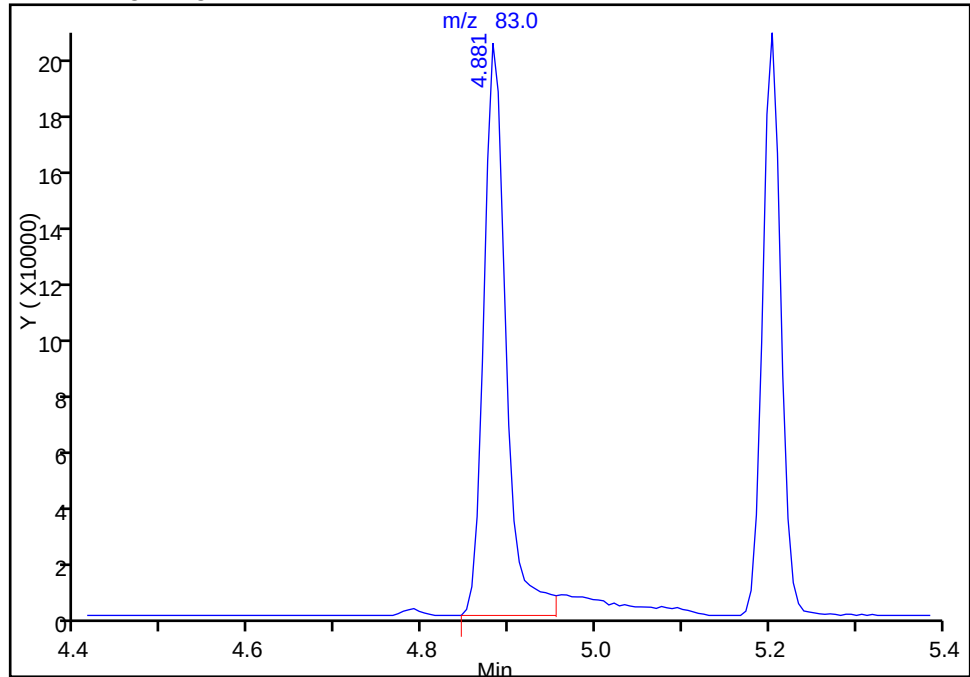
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

64 Methylcyclohexane, CAS: 108-87-2

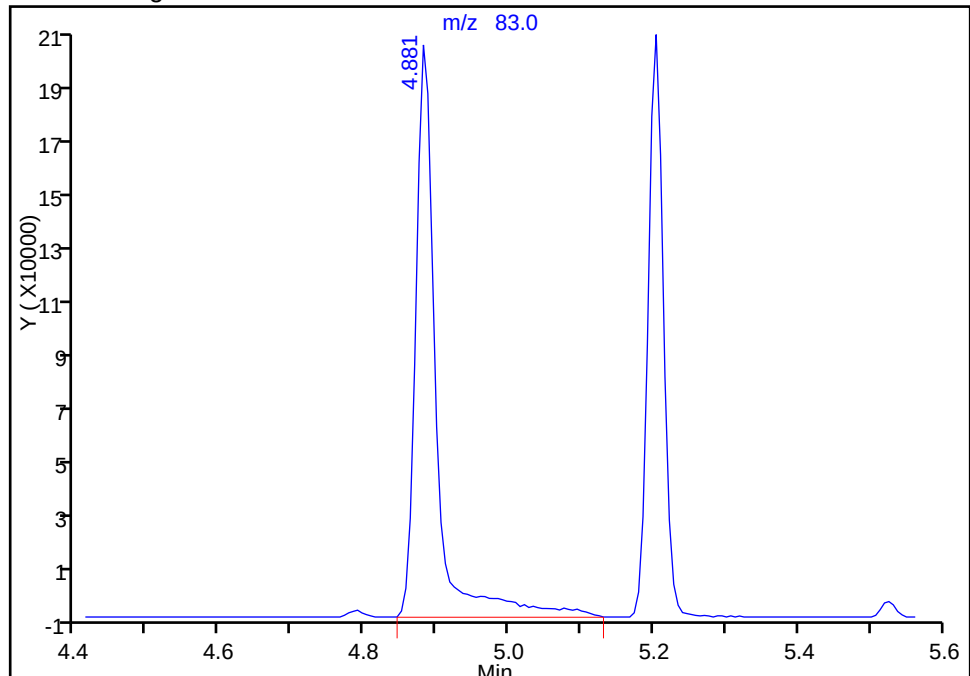
RT: 4.88
Response: 354867
Amount: 23.648401

Processing Integration Results



RT: 4.88
Response: 394405
Amount: 23.039834

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 17:46:49

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40114.D

Injection Date: 11-Jul-2014 20:10:30

Instrument ID: HP5973S

Lims ID: ICIS 4

Client ID:

Operator ID: NQ

ALS Bottle#:

63

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

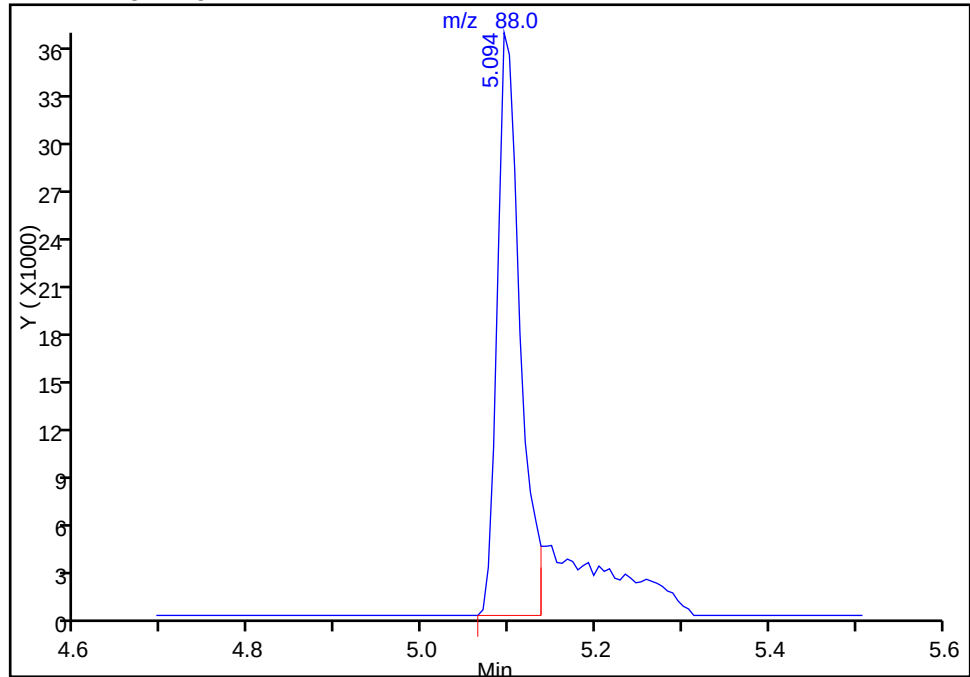
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

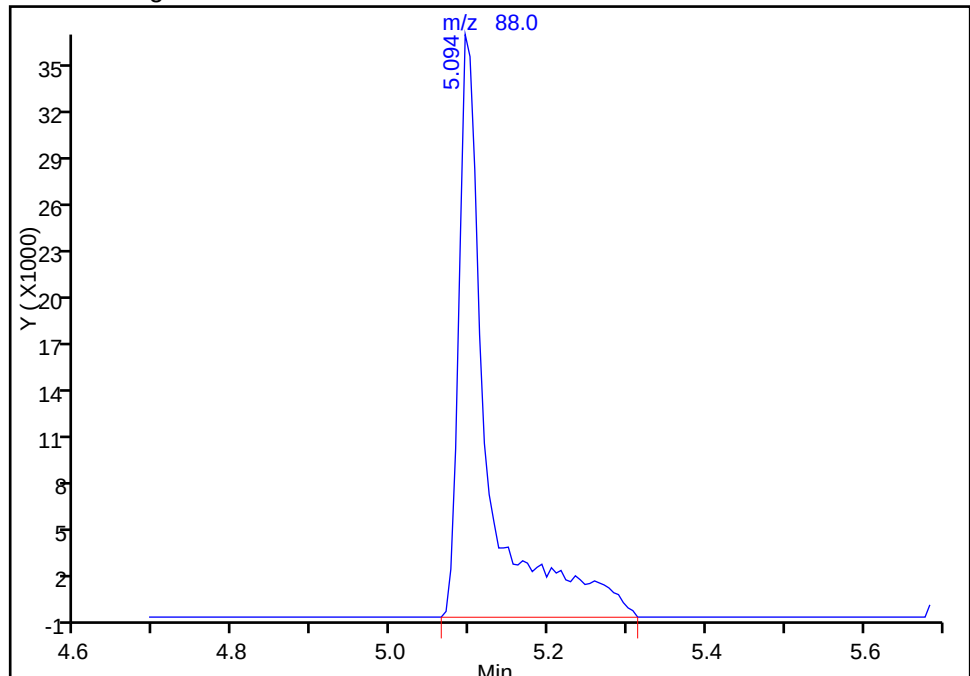
RT: 5.09
Response: 66519
Amount: 496.6609

Processing Integration Results



RT: 5.09
Response: 91775
Amount: 535.0256

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 17:49:41

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40115.D
 Lims ID: IC 5
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 11-Jul-2014 20:32:30 ALS Bottle#: 64 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 5
 Misc. Info.: 480-0033718-009 =480-0033718-009
 Operator ID: NQ Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2014 18:08:47 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK053

First Level Reviewer: nguyendudziakng

Date: 17-Jul-2014 18:08:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	208233	25.0	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	415720	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	68	384293	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.060	4.060	0.000	58	226008	25.0	26.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.316	-0.001	0	168274	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.697	0.000	91	987857	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	88	319527	25.0	25.3	
10 Dichlorodifluoromethane	85	1.195	1.195	0.000	88	672149	50.0	50.5	
12 Chloromethane	50	1.322	1.322	0.000	89	706307	50.0	52.8	
13 Vinyl chloride	62	1.408	1.408	0.000	83	706719	50.0	52.9	
151 Butadiene	54	1.420	1.420	0.000	91	579689	50.0	49.8	
14 Bromomethane	94	1.663	1.645	0.018	91	299139	50.0	54.3	
15 Chloroethane	64	1.742	1.748	-0.006	95	410905	50.0	51.4	
16 Dichlorofluoromethane	67	1.900	1.900	0.000	82	943799	50.0	54.1	
17 Trichlorofluoromethane	101	1.888	1.894	-0.006	75	790969	50.0	49.0	
18 Ethyl ether	59	2.095	2.095	0.000	89	514687	50.0	48.6	
20 Acrolein	56	2.253	2.253	0.000	98	388937	250.0	247.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.290	2.296	-0.006	85	563952	50.0	51.9	
22 1,1-Dichloroethene	96	2.320	2.326	-0.006	87	620827	50.0	55.3	
23 Acetone	43	2.387	2.387	0.000	99	1196822	250.0	223.2	
25 Iodomethane	142	2.472	2.478	-0.006	99	751210	50.0	49.5	
26 Carbon disulfide	76	2.484	2.490	-0.006	99	1864794	50.0	49.8	
28 3-Chloro-1-propene	41	2.588	2.588	0.000	82	561808	50.0	53.1	
27 Methyl acetate	43	2.624	2.624	0.000	97	2989965	250.0	235.1	
30 Methylene Chloride	84	2.764	2.770	-0.006	84	621040	50.0	45.6	
31 2-Methyl-2-propanol	59	2.843	2.843	0.000	95	908815	500.0	526.8	
32 Methyl tert-butyl ether	73	2.880	2.880	0.000	92	1795092	50.0	49.8	
34 trans-1,2-Dichloroethene	96	2.892	2.892	0.000	87	567376	50.0	53.8	
33 Acrylonitrile	53	2.953	2.947	0.006	99	2812723	500.0	476.0	
35 Hexane	57	3.044	3.044	0.000	93	823500	50.0	53.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.239	3.239	0.000	85	997194	50.0	56.7	
37 Vinyl acetate	43	3.281	3.281	0.000	97	2216356	100.0	98.8	
44 2,2-Dichloropropane	77	3.665	3.665	0.000	88	317035	50.0	49.5	
45 cis-1,2-Dichloroethene	96	3.689	3.683	0.006	69	591802	50.0	52.1	
43 2-Butanone (MEK)	43	3.725	3.725	0.000	100	1995713	250.0	241.6	
48 Chlorobromomethane	128	3.877	3.878	-0.001	94	286979	50.0	51.7	
49 Tetrahydrofuran	42	3.896	3.896	0.000	87	517031	100.0	94.2	
50 Chloroform	83	3.932	3.932	0.000	81	954247	50.0	52.1	
51 1,1,1-Trichloroethane	97	4.030	4.030	0.000	93	544014	50.0	48.7	M
52 Cyclohexane	56	4.030	4.030	0.000	91	1012290	50.0	52.4	
55 Carbon tetrachloride	117	4.139	4.133	0.006	63	488566	50.0	46.4	
54 1,1-Dichloropropene	75	4.151	4.145	0.006	93	744412	50.0	55.0	
57 Benzene	78	4.315	4.316	-0.001	98	2329637	50.0	51.1	
53 Isobutyl alcohol	43	4.315	4.316	-0.001	89	1049542	1250.0	1225.7	
58 1,2-Dichloroethane	62	4.370	4.370	0.000	90	848017	50.0	48.7	
59 n-Heptane	43	4.443	4.443	0.000	92	922162	50.0	53.4	
62 Trichloroethene	95	4.790	4.790	0.000	93	568351	50.0	53.3	
64 Methylcyclohexane	83	4.881	4.881	0.000	91	945073	50.0	52.3	M
65 1,2-Dichloropropane	63	4.985	4.985	0.000	91	591917	50.0	51.0	
67 Dibromomethane	93	5.088	5.088	0.000	92	351710	50.0	50.9	
66 1,4-Dioxane	88	5.094	5.094	0.000	93	186631	1000.0	1074.2	M
68 Dichlorobromomethane	83	5.204	5.204	0.000	93	667131	50.0	48.5	
69 2-Chloroethyl vinyl ether	63	5.417	5.417	0.000	92	451805	50.0	53.1	
72 cis-1,3-Dichloropropene	75	5.526	5.526	0.000	90	856989	50.0	48.5	
73 4-Methyl-2-pentanone (MIBK)	43	5.642	5.642	0.000	97	3978061	250.0	248.7	
74 Toluene	92	5.751	5.745	0.006	98	1462460	50.0	51.6	
77 trans-1,3-Dichloropropene	75	5.958	5.958	0.000	92	745222	50.0	48.4	
75 Ethyl methacrylate	69	5.988	5.989	-0.001	89	947909	50.0	56.0	
79 1,1,2-Trichloroethane	83	6.104	6.104	0.000	88	462491	50.0	50.1	
81 Tetrachloroethene	166	6.147	6.147	0.000	88	616729	50.0	53.3	
82 1,3-Dichloropropane	76	6.232	6.232	0.000	92	1008897	50.0	49.5	
80 2-Hexanone	43	6.280	6.281	-0.001	96	2987334	250.0	249.6	
83 Chlorodibromomethane	129	6.408	6.408	0.000	89	448730	50.0	45.9	
84 Ethylene Dibromide	107	6.493	6.493	0.000	98	562004	50.0	52.5	
87 Chlorobenzene	112	6.846	6.846	0.000	93	1625429	50.0	50.5	
89 1,1,1,2-Tetrachloroethane	131	6.913	6.913	0.000	86	479873	50.0	48.8	
88 Ethylbenzene	91	6.913	6.913	0.000	99	2834515	50.0	52.5	
90 m-Xylene & p-Xylene	106	6.998	7.004	-0.006	0	1105523	50.0	53.0	
91 o-Xylene	106	7.321	7.321	0.000	97	1071054	50.0	52.8	
92 Styrene	104	7.345	7.345	0.000	95	1868797	50.0	53.4	
95 Bromoform	173	7.534	7.534	0.000	97	285292	50.0	50.5	
94 Isopropylbenzene	105	7.607	7.607	0.000	96	2841008	50.0	53.5	
101 Bromobenzene	156	7.880	7.881	0.000	95	716400	50.0	50.4	
97 1,1,2,2-Tetrachloroethane	83	7.917	7.917	0.000	82	793657	50.0	51.0	
99 N-Propylbenzene	91	7.935	7.935	0.000	97	3367385	50.0	53.8	
100 1,2,3-Trichloropropane	110	7.947	7.947	0.000	83	265457	50.0	48.9	
98 trans-1,4-Dichloro-2-buten	53	7.953	7.954	-0.001	65	190894	50.0	45.3	
103 2-Chlorotoluene	126	8.026	8.027	-0.001	95	657130	50.0	51.6	
102 1,3,5-Trimethylbenzene	105	8.081	8.081	0.000	74	2410082	50.0	53.3	
105 4-Chlorotoluene	126	8.118	8.118	0.000	97	686925	50.0	51.2	
106 tert-Butylbenzene	134	8.343	8.343	0.000	88	539017	50.0	54.0	
107 1,2,4-Trimethylbenzene	105	8.385	8.385	0.000	98	2471169	50.0	52.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.519	8.519	0.000	95	3022525	50.0	54.3	
111 1,3-Dichlorobenzene	146	8.641	8.635	0.006	71	1349110	50.0	50.5	
110 4-Isopropyltoluene	119	8.635	8.635	0.000	94	2591075	50.0	54.5	
113 1,4-Dichlorobenzene	146	8.714	8.714	0.000	94	1369962	50.0	49.8	
115 n-Butylbenzene	91	8.976	8.976	0.000	95	2366324	50.0	55.4	
116 1,2-Dichlorobenzene	146	9.024	9.024	0.000	96	1312532	50.0	50.0	
117 1,2-Dibromo-3-Chloropropan	75	9.699	9.700	-0.001	79	131939	50.0	46.6	
119 1,2,4-Trichlorobenzene	180	10.344	10.344	0.000	93	884775	50.0	53.7	
120 Hexachlorobutadiene	225	10.454	10.454	0.000	95	427761	50.0	54.4	
121 Naphthalene	128	10.557	10.557	0.000	97	2371083	50.0	53.2	
122 1,2,3-Trichlorobenzene	180	10.752	10.752	0.000	93	782951	50.0	52.0	
S 123 Total BTEX	1				0			261.1	
S 124 Xylenes, Total	1				0			105.8	
S 125 1,2-Dichloroethene, Total	1				0			105.9	
S 126 1,3-Dichloropropene, Total	1				0			96.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00016

Amount Added: 25.00

Units: uL

GAS CORP mix_00036

Amount Added: 25.00

Units: uL

S_8260_IS_00082

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00088

Amount Added: 1.00

Units: uL

Run Reagent

Operator ID: NQ

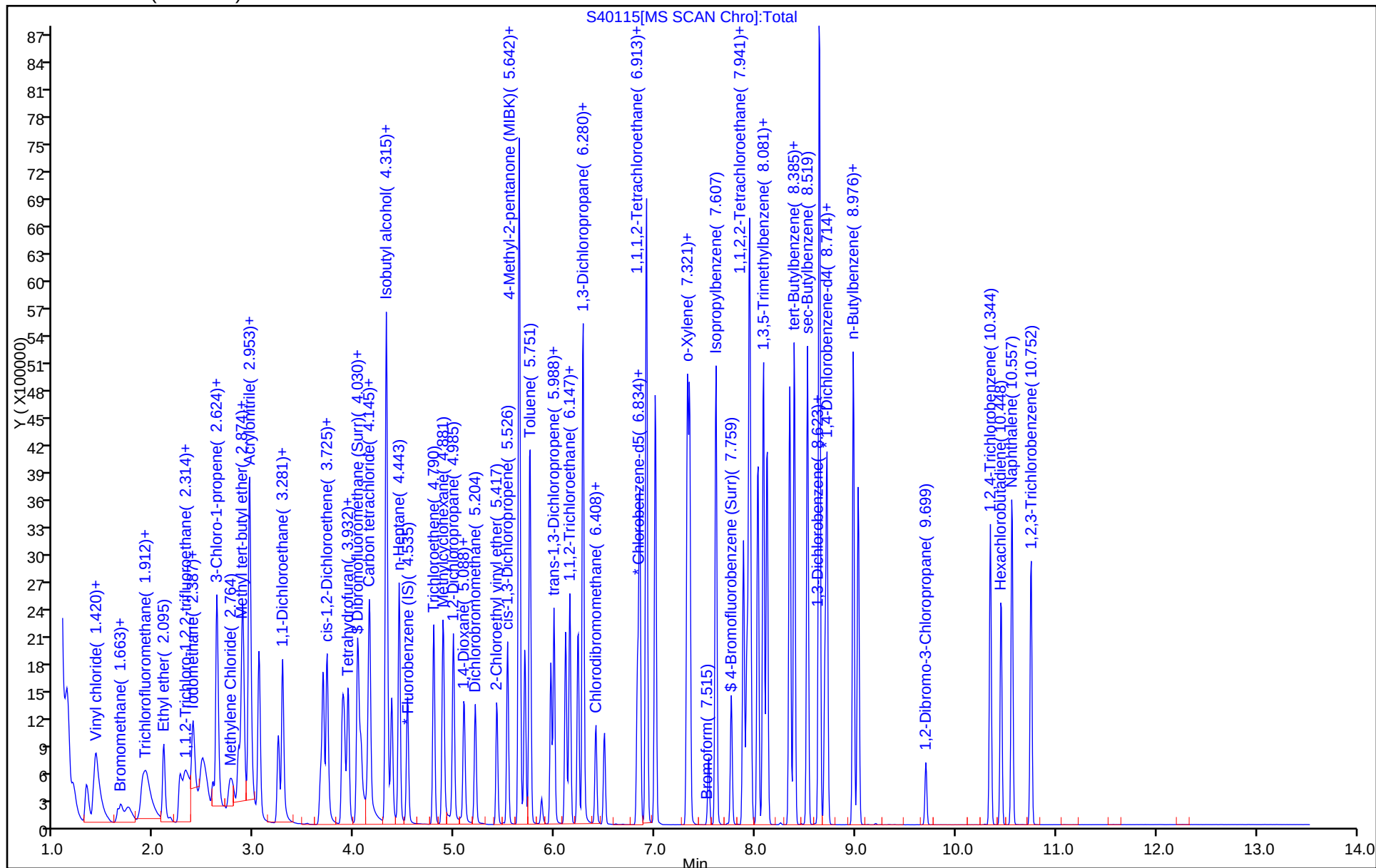
Worklist Smp#: 9

Client ID:

ALS Bottle#: 64

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40115.D

Injection Date: 11-Jul-2014 20:32:30

Instrument ID: HP5973S

Lims ID: IC 5

Client ID:

Operator ID: NQ

ALS Bottle#:

64

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

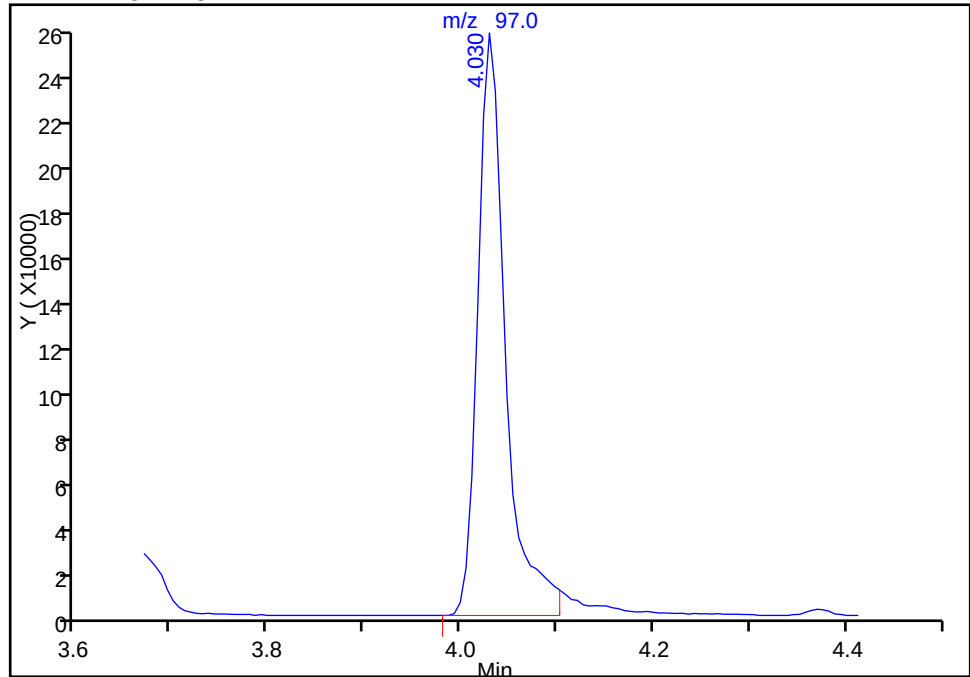
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

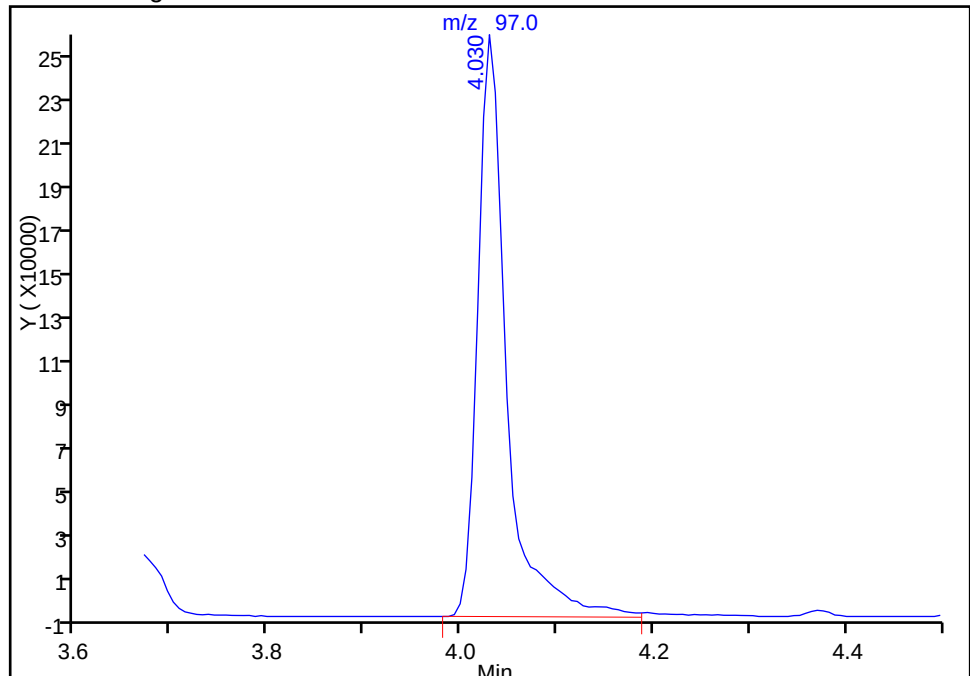
RT: 4.03
Response: 520881
Amount: 47.191511

Processing Integration Results



RT: 4.03
Response: 544014
Amount: 48.717023

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 18:11:19

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40115.D

Injection Date: 11-Jul-2014 20:32:30

Instrument ID: HP5973S

Lims ID: IC 5

Client ID:

Operator ID: NQ

ALS Bottle#: 64

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

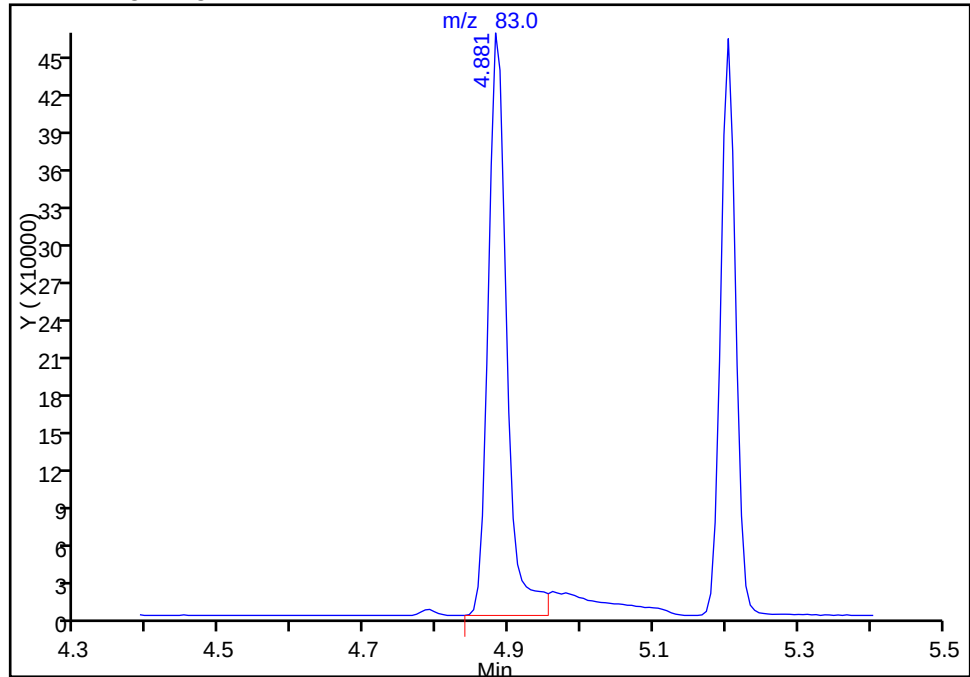
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

64 Methylcyclohexane, CAS: 108-87-2

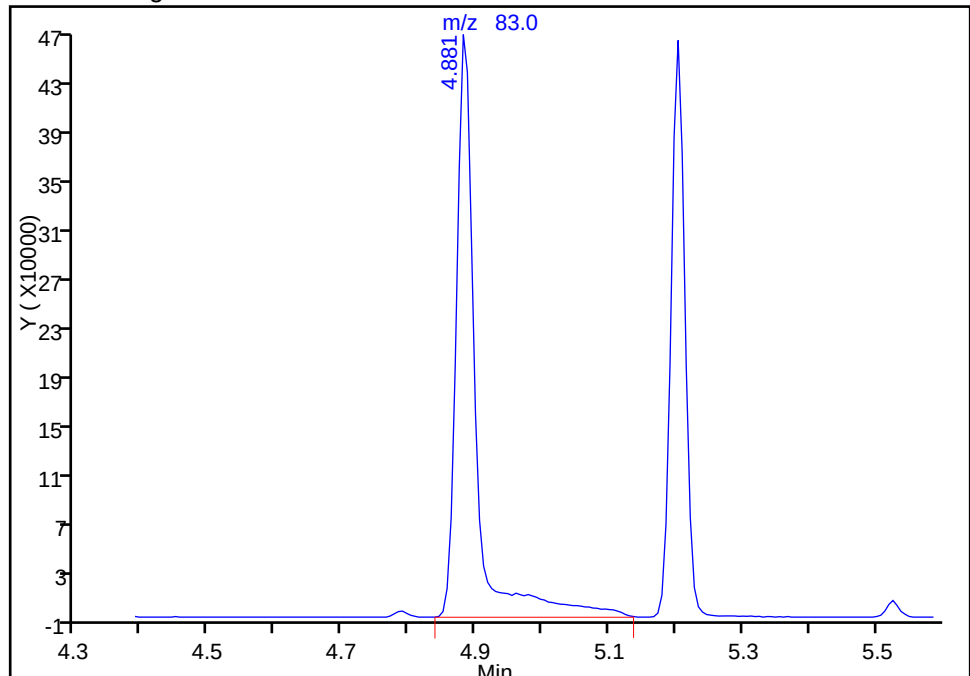
RT: 4.88
Response: 836958
Amount: 52.108751

Processing Integration Results



RT: 4.88
Response: 945073
Amount: 52.308111

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 17:48:23

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40115.D

Injection Date: 11-Jul-2014 20:32:30

Instrument ID: HP5973S

Lims ID: IC 5

Client ID:

Operator ID: NQ

ALS Bottle#: 64

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

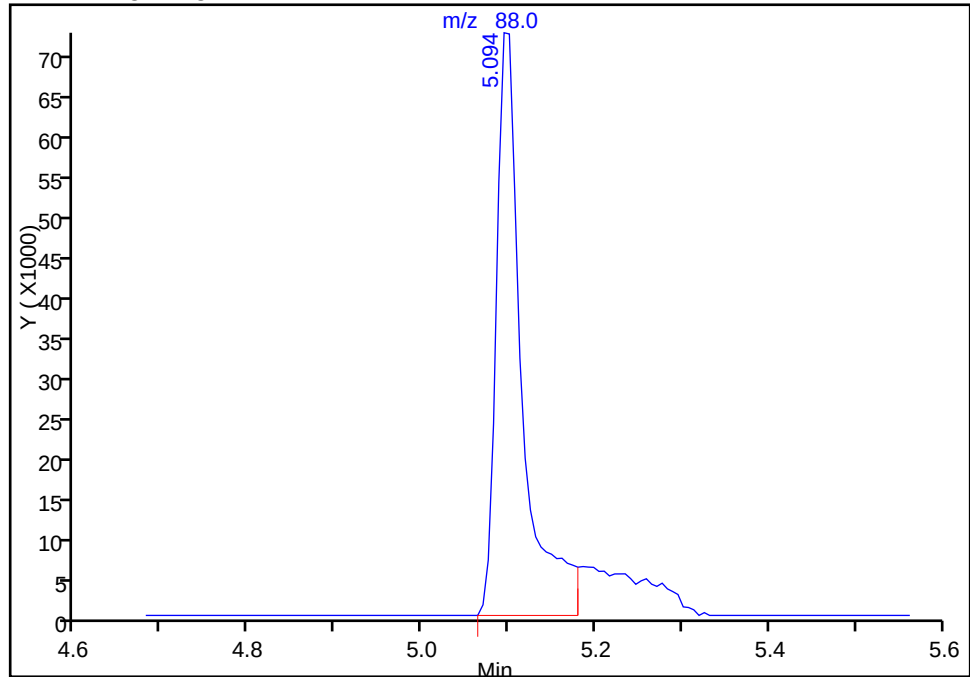
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

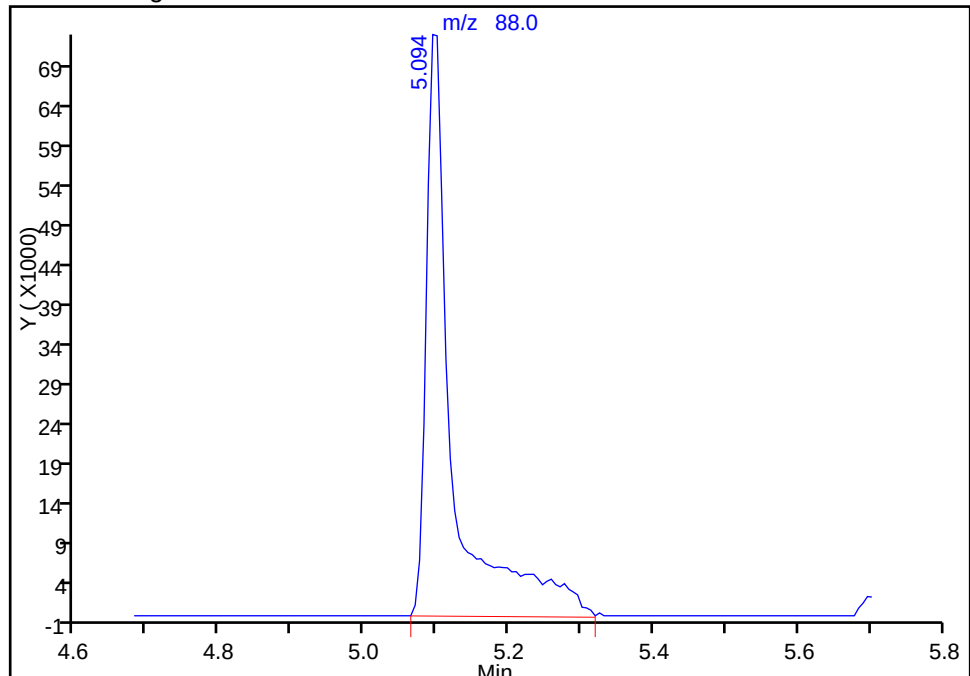
66 1,4-Dioxane, CAS: 123-91-1

RT: 5.09
Response: 152102
Amount: 1051.1394

Processing Integration Results

RT: 5.09
Response: 186631
Amount: 1074.2097

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 17:51:00

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40116.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 11-Jul-2014 20:55:30 ALS Bottle#: 65 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0033718-010 =480-0033718-010
 Operator ID: NQ Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2014 18:08:53 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK053

First Level Reviewer: nguyendudziakng

Date: 17-Jul-2014 18:08:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	211855	25.0	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	423712	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	94	393793	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.060	4.060	0.000	66	229668	25.0	25.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.316	-0.001	0	168776	25.0	24.4	
\$ 5 Toluene-d8 (Surr)	98	5.703	5.697	0.007	91	991483	25.0	24.5	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	88	323262	25.0	25.2	
10 Dichlorodifluoromethane	85	1.195	1.195	0.000	88	1351060	100.0	99.1	
12 Chloromethane	50	1.328	1.322	0.006	89	1491312	100.0	109.5	
13 Vinyl chloride	62	1.408	1.408	0.000	83	1459073	100.0	107.3	
151 Butadiene	54	1.426	1.420	0.006	91	1250870	100.0	105.6	
14 Bromomethane	94	1.663	1.645	0.018	90	709735	100.0	126.7	
15 Chloroethane	64	1.742	1.748	-0.006	95	849713	100.0	104.5	
17 Trichlorofluoromethane	101	1.900	1.894	0.006	54	1672657	100.0	101.1	
16 Dichlorofluoromethane	67	1.900	1.900	0.000	82	2045184	100.0	115.2	
18 Ethyl ether	59	2.095	2.095	0.000	90	1050103	100.0	97.5	
20 Acrolein	56	2.259	2.253	0.006	98	851960	500.0	532.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.302	2.296	0.006	83	1100944	100.0	98.8	
22 1,1-Dichloroethene	96	2.326	2.326	0.000	89	1240346	100.0	108.6	
23 Acetone	43	2.387	2.387	0.000	99	2446990	500.0	448.4	
25 Iodomethane	142	2.478	2.478	0.000	98	1629803	100.0	105.6	
26 Carbon disulfide	76	2.496	2.490	0.006	99	3981527	100.0	103.6	
28 3-Chloro-1-propene	41	2.588	2.588	0.000	87	1315933	100.0	122.3	
27 Methyl acetate	43	2.624	2.624	0.000	96	6050473	500.0	467.6	
30 Methylene Chloride	84	2.764	2.770	-0.006	83	1268171	100.0	91.6	
31 2-Methyl-2-propanol	59	2.837	2.843	-0.006	97	2045239	1000.0	1165.3	
32 Methyl tert-butyl ether	73	2.880	2.880	0.000	89	3679371	100.0	100.3	
34 trans-1,2-Dichloroethene	96	2.892	2.892	0.000	92	1129933	100.0	105.4	
33 Acrylonitrile	53	2.953	2.947	0.006	99	5618749	1000.0	934.6	
35 Hexane	57	3.050	3.044	0.006	92	1515519	100.0	97.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.239	3.239	0.000	85	2020691	100.0	112.8	
37 Vinyl acetate	43	3.281	3.281	0.000	97	4707308	200.0	204.8	
44 2,2-Dichloropropane	77	3.665	3.665	0.000	90	679660	100.0	103.4	
45 cis-1,2-Dichloroethene	96	3.689	3.683	0.006	69	1205028	100.0	104.3	
43 2-Butanone (MEK)	43	3.725	3.725	0.000	100	4111259	500.0	489.3	
48 Chlorobromomethane	128	3.877	3.878	-0.001	94	587283	100.0	104.0	
49 Tetrahydrofuran	42	3.896	3.896	0.000	87	1076360	200.0	192.7	
50 Chloroform	83	3.938	3.932	0.006	81	1951153	100.0	104.8	
52 Cyclohexane	56	4.036	4.030	0.006	90	1944837	100.0	98.3	
51 1,1,1-Trichloroethane	97	4.030	4.030	0.000	94	1191416	100.0	104.0	
55 Carbon tetrachloride	117	4.139	4.133	0.006	73	1149075	100.0	102.5	
54 1,1-Dichloropropene	75	4.151	4.145	0.006	93	1490917	100.0	108.2	
53 Isobutyl alcohol	43	4.315	4.316	-0.001	65	2307043	2500.0	2623.9	
57 Benzene	78	4.315	4.316	-0.001	96	4687385	100.0	101.1	
58 1,2-Dichloroethane	62	4.370	4.370	0.000	90	1730816	100.0	97.7	
59 n-Heptane	43	4.443	4.443	0.000	92	1714344	100.0	97.3	
62 Trichloroethene	95	4.790	4.790	0.000	93	1161849	100.0	107.1	
64 Methylcyclohexane	83	4.887	4.881	0.006	91	1828969	100.0	98.9	M
65 1,2-Dichloropropane	63	4.985	4.985	0.000	91	1220243	100.0	103.3	
67 Dibromomethane	93	5.088	5.088	0.000	93	740601	100.0	105.4	
66 1,4-Dioxane	88	5.094	5.094	0.000	93	378653	2000.0	2138.3	M
68 Dichlorobromomethane	83	5.204	5.204	0.000	94	1492983	100.0	105.6	
69 2-Chloroethyl vinyl ether	63	5.417	5.417	0.000	92	963574	100.0	111.4	
72 cis-1,3-Dichloropropene	75	5.526	5.526	0.000	90	1908454	100.0	105.1	
73 4-Methyl-2-pentanone (MIBK)	43	5.642	5.642	0.000	96	7948267	500.0	487.5	
74 Toluene	92	5.751	5.745	0.006	98	2976438	100.0	103.1	
77 trans-1,3-Dichloropropene	75	5.958	5.958	0.000	92	1697496	100.0	106.9	
75 Ethyl methacrylate	69	5.988	5.989	-0.001	89	2016868	100.0	116.8	
79 1,1,2-Trichloroethane	83	6.104	6.104	0.000	88	950036	100.0	100.9	
81 Tetrachloroethene	166	6.147	6.147	0.000	86	1248396	100.0	105.8	
82 1,3-Dichloropropane	76	6.232	6.232	0.000	92	2080893	100.0	100.2	
80 2-Hexanone	43	6.280	6.281	-0.001	95	6020851	500.0	493.6	
83 Chlorodibromomethane	129	6.408	6.408	0.000	88	1075263	100.0	102.7	
84 Ethylene Dibromide	107	6.493	6.493	0.000	98	1186828	100.0	108.7	
87 Chlorobenzene	112	6.846	6.846	0.000	92	3344591	100.0	101.9	
88 Ethylbenzene	91	6.913	6.913	0.000	99	5722342	100.0	104.1	
89 1,1,1,2-Tetrachloroethane	131	6.919	6.913	0.006	87	1069946	100.0	105.7	
90 m-Xylene & p-Xylene	106	7.004	7.004	0.000	0	2244650	100.0	105.7	
91 o-Xylene	106	7.321	7.321	0.000	97	2177691	100.0	105.3	
92 Styrene	104	7.345	7.345	0.000	95	3906040	100.0	109.5	
95 Bromoform	173	7.534	7.534	0.000	97	743243	100.0	99.9	
94 Isopropylbenzene	105	7.607	7.607	0.000	96	5757039	100.0	105.9	
101 Bromobenzene	156	7.880	7.881	0.000	95	1477602	100.0	101.4	
97 1,1,2,2-Tetrachloroethane	83	7.917	7.917	0.000	82	1662793	100.0	104.3	
99 N-Propylbenzene	91	7.941	7.935	0.006	96	6739443	100.0	105.0	
100 1,2,3-Trichloropropane	110	7.947	7.947	0.000	83	541892	100.0	97.5	
98 trans-1,4-Dichloro-2-buten	53	7.953	7.954	-0.001	70	472191	100.0	103.0	
103 2-Chlorotoluene	126	8.026	8.027	-0.001	95	1327831	100.0	101.8	
102 1,3,5-Trimethylbenzene	105	8.081	8.081	0.000	93	4884769	100.0	105.4	
105 4-Chlorotoluene	126	8.118	8.118	0.000	97	1405296	100.0	102.2	
106 tert-Butylbenzene	134	8.343	8.343	0.000	92	1077262	100.0	105.3	
107 1,2,4-Trimethylbenzene	105	8.385	8.385	0.000	97	5031254	100.0	105.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.519	8.519	0.000	95	6018190	100.0	105.5	
110 4-Isopropyltoluene	119	8.641	8.635	0.006	94	5171802	100.0	106.1	
111 1,3-Dichlorobenzene	146	8.641	8.635	0.006	70	2728437	100.0	99.6	
113 1,4-Dichlorobenzene	146	8.714	8.714	0.000	94	2828938	100.0	100.3	
115 n-Butylbenzene	91	8.975	8.976	-0.001	98	4727671	100.0	108.0	
116 1,2-Dichlorobenzene	146	9.024	9.024	0.000	96	2680088	100.0	99.6	
117 1,2-Dibromo-3-Chloropropan	75	9.699	9.700	-0.001	83	311105	100.0	102.3	
119 1,2,4-Trichlorobenzene	180	10.344	10.344	0.000	90	1707047	100.0	101.0	
120 Hexachlorobutadiene	225	10.454	10.454	0.000	95	782674	100.0	97.2	
121 Naphthalene	128	10.557	10.557	0.000	97	4481112	100.0	98.1	
122 1,2,3-Trichlorobenzene	180	10.752	10.752	0.000	93	1425318	100.0	92.3	
S 125 1,2-Dichloroethene, Total	1				0			209.7	
S 126 1,3-Dichloropropene, Total	1				0			212.0	
S 123 Total BTEX	1				0			519.3	
S 124 Xylenes, Total	1				0			211.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00016

Amount Added: 50.00

Units: uL

GAS CORP mix_00036

Amount Added: 50.00

Units: uL

S_8260_IS_00082

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00088

Amount Added: 1.00

Units: uL

Run Reagent

Operator ID: NQ

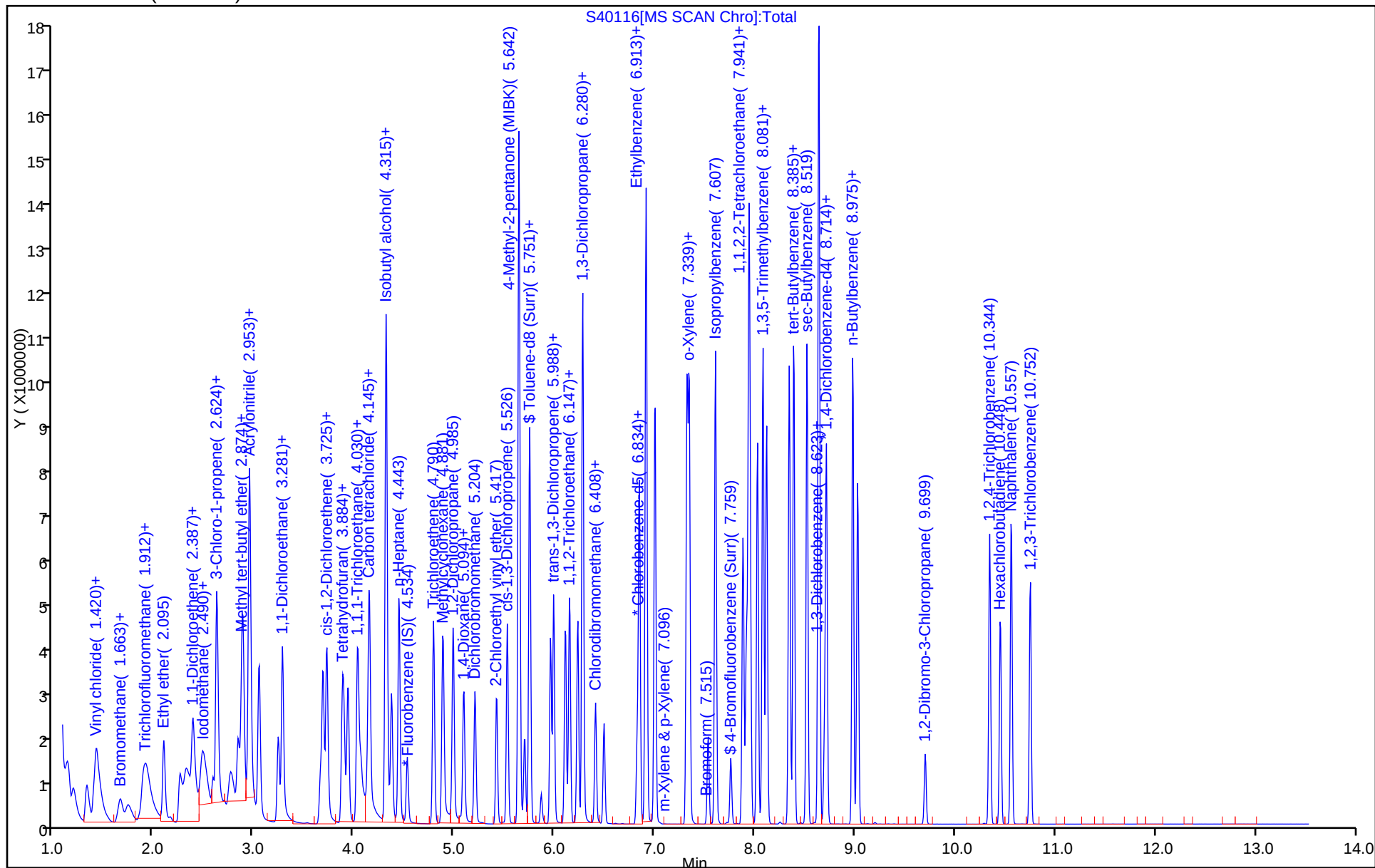
Worklist Smp#: 10

Client ID:

ALS Bottle#: 65

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40116.D

Injection Date: 11-Jul-2014 20:55:30

Instrument ID: HP5973S

Lims ID: IC 6

Client ID:

Operator ID: NQ

ALS Bottle#: 65

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

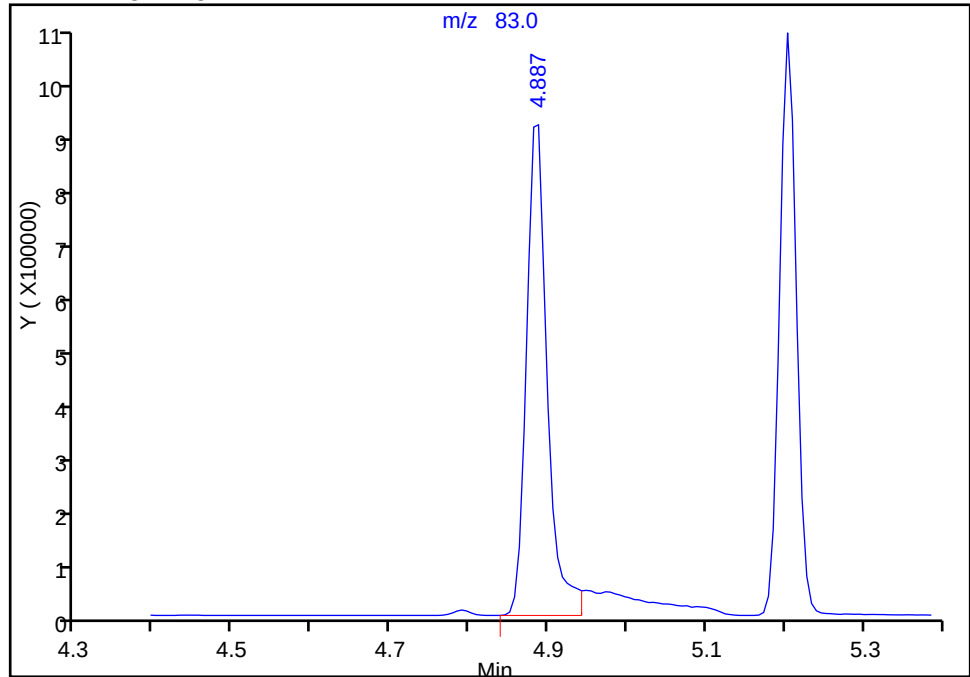
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

64 Methylcyclohexane, CAS: 108-87-2

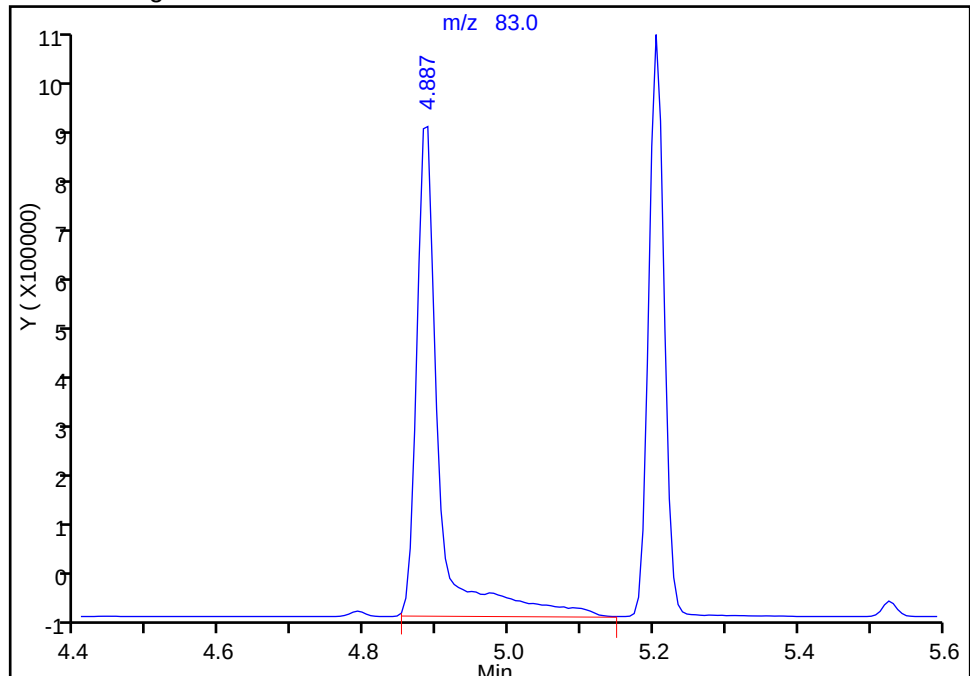
RT: 4.89
Response: 1563131
Amount: 99.332604

Processing Integration Results



RT: 4.89
Response: 1828969
Amount: 98.860036

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 17:48:49

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40116.D

Injection Date: 11-Jul-2014 20:55:30

Instrument ID: HP5973S

Lims ID: IC 6

Client ID:

Operator ID: NQ

ALS Bottle#:

65

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

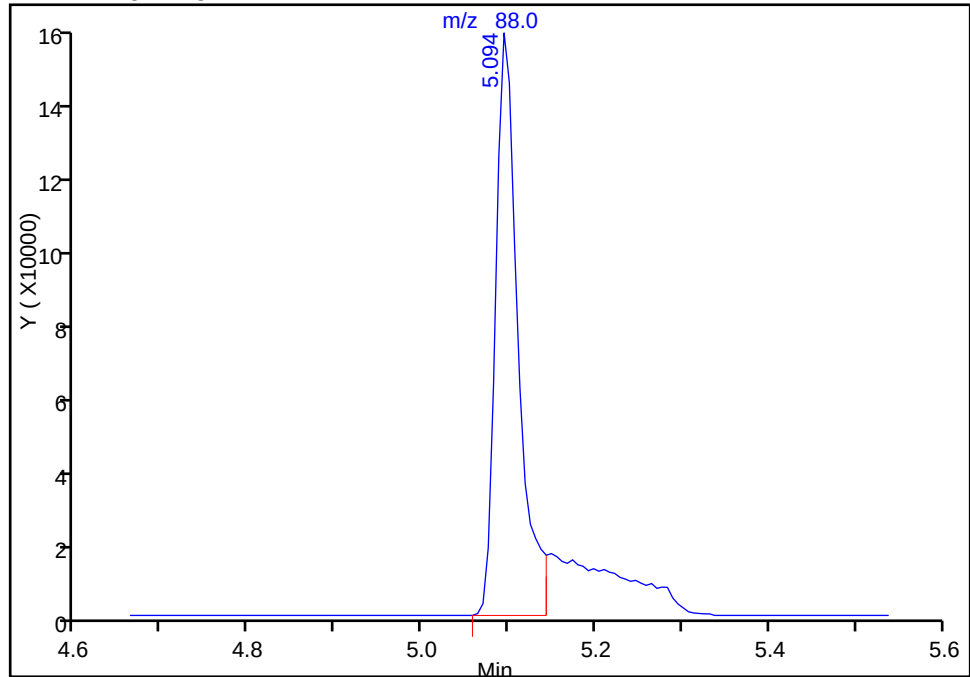
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

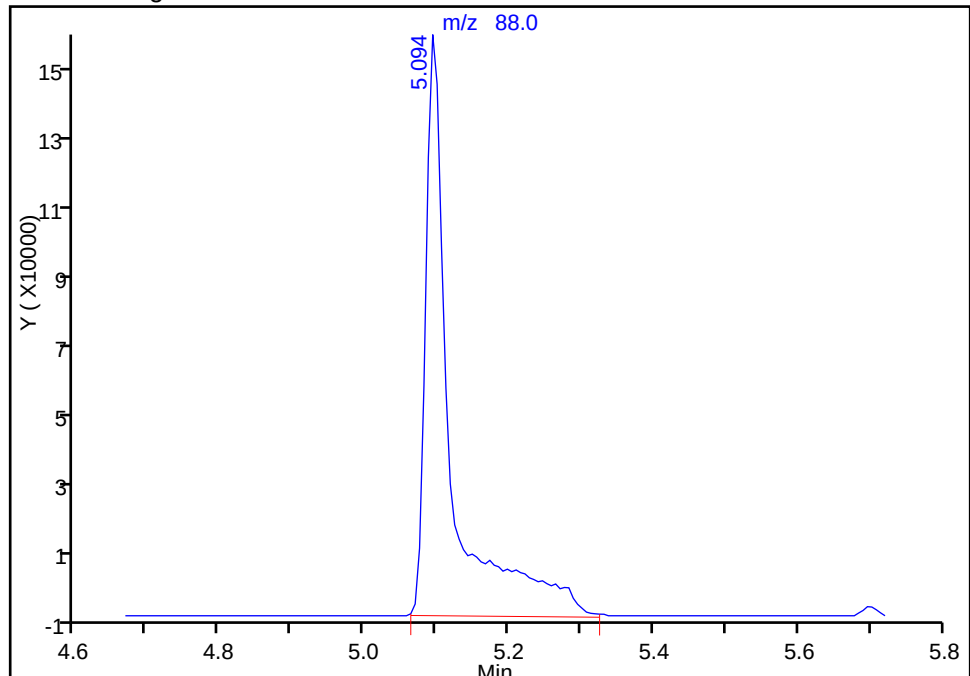
RT: 5.09
Response: 278787
Amount: 1980.6243

Processing Integration Results



RT: 5.09
Response: 378653
Amount: 2138.3404

Manual Integration Results



Reviewer: nguyendudziaknq, 14-Jul-2014 17:51:17

Audit Action: Manually Integrated

Audit Reason: Peak Tail

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Lab Sample ID: CCVIS 480-194301/3 Calibration Date: 07/23/2014 10:12

Instrument ID: HP5973S Calib Start Date: 07/11/2014 18:40

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 07/11/2014 20:55

Lab File ID: S40273.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	Lin1		1.524	0.1000	24.3	25.0	-3.0	20.0
Chloromethane	Ave	1.606	1.713	0.1000	26.7	25.0	6.6	20.0
Vinyl chloride	Ave	1.604	1.824	0.1000	28.4	25.0	13.7	20.0
Butadiene	Ave	1.397	1.600		28.6	25.0	14.5	20.0
Bromomethane	Ave	0.6608	0.6027	0.1000	22.8	25.0	-8.8	20.0
Chloroethane	Ave	0.9594	1.096	0.1000	28.6	25.0	14.2	20.0
Dichlorofluoromethane	Ave	2.095	2.552		30.5	25.0	21.8*	20.0
Trichlorofluoromethane	Lin1		2.169	0.1000	28.3	25.0	13.2	20.0
Ethyl ether	Ave	1.271	1.426		28.1	25.0	12.2	20.0
Acrolein	Ave	0.1887	0.2411		160	125	27.8*	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.540	0.1000	29.9	25.0	19.8	20.0
1,1-Dichloroethene	Ave	1.348	1.724	0.1000	32.0	25.0	27.9*	20.0
Acetone	Ave	0.6439	0.7266	0.1000	141	125	12.8	20.0
Iodomethane	Ave	1.821	2.217		30.4	25.0	21.8*	20.0
Carbon disulfide	Lin1		5.016	0.1000	28.2	25.0	12.9	20.0
Allyl chloride	Ave	1.270	1.734		34.1	25.0	36.6*	20.0
Methyl acetate	Ave	1.527	1.711	0.1000	140	125	12.0	20.0
Methylene Chloride	Ave	1.634	1.729	0.1000	26.5	25.0	5.8	20.0
2-Methyl-2-propanol	Ave	0.2071	0.2338		282	250	12.9	20.0
Methyl tert-butyl ether	Ave	4.330	4.765	0.1000	27.5	25.0	10.1	20.0
trans-1,2-Dichloroethene	Ave	1.265	1.538	0.1000	30.4	25.0	21.6*	20.0
Acrylonitrile	Ave	0.7094	0.7944		280	250	12.0	20.0
Hexane	Lin1		2.251		31.0	25.0	23.8*	20.0
1,1-Dichloroethane	Ave	2.113	2.652	0.2000	31.4	25.0	25.5*	20.0
Vinyl acetate	Lin1		2.825		53.1	50.0	6.2	20.0
2,2-Dichloropropane	Lin1		0.7906		26.1	25.0	4.3	20.0
cis-1,2-Dichloroethene	Ave	1.364	1.567	0.1000	28.7	25.0	14.9	20.0
2-Butanone (MEK)	Ave	0.9915	1.125	0.1000	142	125	13.5	20.0
Chlorobromomethane	Ave	0.6661	0.7530		28.3	25.0	13.0	20.0
Tetrahydrofuran	Ave	0.6592	0.7261		55.1	50.0	10.1	20.0
Chloroform	Ave	2.198	2.543	0.2000	28.9	25.0	15.7	20.0
1,1,1-Trichloroethane	Lin1		1.427	0.1000	27.0	25.0	7.9	20.0
Cyclohexane	Lin1		2.857	0.1000	31.1	25.0	24.2*	20.0
Carbon tetrachloride	Lin		1.280	0.1000	27.0	25.0	7.9	20.0
1,1-Dichloropropene	Ave	1.626	1.973		30.3	25.0	21.4*	20.0
Benzene	Ave	5.470	6.257	0.5000	28.6	25.0	14.4	20.0
Isobutyl alcohol	Lin1		0.1034		639	625	2.2	20.0
1,2-Dichloroethane	Ave	2.091	2.246	0.1000	26.9	25.0	7.4	20.0
n-Heptane	Lin1		2.512		30.5	25.0	21.8*	20.0
Trichloroethene	Ave	1.280	1.498	0.2000	29.2	25.0	17.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Lab Sample ID: CCVIS 480-194301/3 Calibration Date: 07/23/2014 10:12

Instrument ID: HP5973S Calib Start Date: 07/11/2014 18:40

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 07/11/2014 20:55

Lab File ID: S40273.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Lin1		2.315	0.1000	27.0	25.0	8.1	20.0
1,2-Dichloropropane	Ave	1.394	1.571	0.1000	28.2	25.0	12.7	20.0
Dibromomethane	Ave	0.8290	0.9353	0.1000	28.2	25.0	12.8	20.0
1,4-Dioxane	Ave	0.0104	0.0100		478	500	-4.5	20.0
Bromodichloromethane	Lin1		1.712	0.2000	26.3	25.0	5.2	20.0
2-Chloroethyl vinyl ether	Ave	1.021	1.185		29.0	25.0	16.0	20.0
cis-1,3-Dichloropropene	Lin1		2.212	0.2000	26.5	25.0	6.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9619	1.059	0.1000	138	125	10.1	20.0
Toluene	Ave	1.704	1.844	0.4000	27.1	25.0	8.2	20.0
trans-1,3-Dichloropropene	Lin1		0.8840	0.1000	24.4	25.0	-2.3	20.0
Ethyl methacrylate	Ave	1.019	1.163		28.5	25.0	14.2	20.0
1,1,2-Trichloroethane	Ave	0.5553	0.5925	0.1000	26.7	25.0	6.7	20.0
Tetrachloroethene	Ave	0.6959	0.7767	0.2000	27.9	25.0	11.6	20.0
1,3-Dichloropropane	Ave	1.225	1.279		26.1	25.0	4.4	20.0
2-Hexanone	Ave	0.7197	0.7903	0.1000	137	125	9.8	20.0
Dibromochloromethane	Lin		0.5467	0.1000	25.1	25.0	0.5	20.0
1,2-Dibromoethane	Ave	0.6440	0.7109		27.6	25.0	10.4	20.0
Chlorobenzene	Ave	1.937	2.073	0.5000	26.8	25.0	7.0	20.0
Ethylbenzene	Ave	3.244	3.600	0.1000	27.7	25.0	10.9	20.0
1,1,1,2-Tetrachloroethane	Lin1		0.5805		25.0	25.0	0.0	20.0
m,p-Xylene	Ave	1.253	1.401	0.1000	28.0	25.0	11.8	20.0
o-Xylene	Ave	1.220	1.350	0.3000	27.7	25.0	10.7	20.0
Styrene	Ave	2.105	2.388	0.3000	28.4	25.0	13.4	20.0
Bromoform	Qua		0.3438	0.1000	29.3	25.0	17.0	20.0
Isopropylbenzene	Ave	3.451	3.862	0.1000	28.0	25.0	11.9	20.0
Bromobenzene	Ave	0.9253	0.9725		26.3	25.0	5.1	20.0
1,1,2,2-Tetrachloroethane	Ave	1.012	1.101	0.3000	27.2	25.0	8.8	20.0
N-Propylbenzene	Ave	4.075	4.567		28.0	25.0	12.1	20.0
1,2,3-Trichloropropane	Ave	0.3529	0.3658		25.9	25.0	3.6	20.0
trans-1,4-Dichloro-2-butene	Lin		0.2877		28.1	25.0	12.3	20.0
2-Chlorotoluene	Ave	0.8284	0.8770		26.5	25.0	5.9	20.0
1,3,5-Trimethylbenzene	Ave	2.942	3.275		27.8	25.0	11.3	20.0
4-Chlorotoluene	Ave	0.8730	0.9242		26.5	25.0	5.9	20.0
tert-Butylbenzene	Ave	0.6492	0.7222		27.8	25.0	11.2	20.0
1,2,4-Trimethylbenzene	Ave	3.042	3.398		27.9	25.0	11.7	20.0
sec-Butylbenzene	Ave	3.621	4.130		28.5	25.0	14.0	20.0
1,3-Dichlorobenzene	Ave	1.740	1.850	0.6000	26.6	25.0	6.4	20.0
4-Isopropyltoluene	Ave	3.095	3.542		28.6	25.0	14.4	20.0
1,4-Dichlorobenzene	Ave	1.791	1.891	0.5000	26.4	25.0	5.6	20.0
n-Butylbenzene	Ave	2.778	3.235		29.1	25.0	16.4	20.0
1,2-Dichlorobenzene	Ave	1.707	1.809	0.4000	26.5	25.0	5.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-194301/3 Calibration Date: 07/23/2014 10:12
 Instrument ID: HP5973S Calib Start Date: 07/11/2014 18:40
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 07/11/2014 20:55
 Lab File ID: S40273.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Lin		0.1798	0.0500	26.2	25.0	4.8	20.0
1,2,4-Trichlorobenzene	Ave	1.073	1.247	0.2000	29.1	25.0	16.3	20.0
Hexachlorobutadiene	Ave	0.5114	0.6158		30.1	25.0	20.4*	20.0
Naphthalene	Ave	2.899	3.376		29.1	25.0	16.5	20.0
1,2,3-Trichlorobenzene	Ave	0.9801	1.152		29.4	25.0	17.6	20.0
Dibromofluoromethane (Surr)	Ave	1.045	1.135		27.1	25.0	8.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8159	0.8412		25.8	25.0	3.1	20.0
Toluene-d8 (Surr)	Ave	2.385	2.348		24.6	25.0	-1.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7583	0.7656		25.2	25.0	1.0	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40273.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 23-Jul-2014 10:12:30 ALS Bottle#: 31 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0034014-003480-0034014-003
 Operator ID: CN Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Jul-2014 11:08:06 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: manc

Date: 23-Jul-2014 11:08:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	193747	25.0	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	407912	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	46	381645	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.060	4.060	0.000	57	219817	25.0	27.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	162984	25.0	25.8	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.696	0.000	56	957933	25.0	24.6	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	87	312306	25.0	25.2	
10 Dichlorodifluoromethane	85	1.195	1.195	0.000	88	295237	25.0	24.3	
12 Chloromethane	50	1.316	1.316	0.000	89	331840	25.0	26.7	
13 Vinyl chloride	62	1.407	1.407	0.000	71	353299	25.0	28.4	
151 Butadiene	54	1.420	1.420	0.000	68	309974	25.0	28.6	
14 Bromomethane	94	1.657	1.657	0.000	91	116778	25.0	22.8	
15 Chloroethane	64	1.742	1.742	0.000	91	212331	25.0	28.6	
16 Dichlorofluoromethane	67	1.888	1.888	0.000	82	494468	25.0	30.5	
17 Trichlorofluoromethane	101	1.894	1.894	0.000	55	420297	25.0	28.3	
18 Ethyl ether	59	2.095	2.095	0.000	89	276337	25.0	28.1	
20 Acrolein	56	2.253	2.253	0.000	97	233543	125.0	159.7	
21 1,1,2-Trichloro-1,2,2-trif	101	2.290	2.290	0.000	62	298313	25.0	29.9	
22 1,1-Dichloroethene	96	2.326	2.326	0.000	88	333993	25.0	32.0	
23 Acetone	43	2.387	2.387	0.000	99	703892	125.0	141.1	
25 Iodomethane	142	2.472	2.472	0.000	67	429568	25.0	30.4	
26 Carbon disulfide	76	2.484	2.484	0.000	98	971873	25.0	28.2	
28 3-Chloro-1-propene	41	2.588	2.588	0.000	59	336000	25.0	34.1	
27 Methyl acetate	43	2.624	2.624	0.000	96	1657290	125.0	140.0	
30 Methylene Chloride	84	2.758	2.758	0.000	84	335021	25.0	26.5	
31 2-Methyl-2-propanol	59	2.843	2.843	0.000	95	453042	250.0	282.3	
32 Methyl tert-butyl ether	73	2.880	2.880	0.000	90	923237	25.0	27.5	
34 trans-1,2-Dichloroethene	96	2.892	2.892	0.000	46	298005	25.0	30.4	
33 Acrylonitrile	53	2.953	2.953	0.000	99	1539204	250.0	280.0	
35 Hexane	57	3.044	3.044	0.000	89	436104	25.0	31.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.239	3.239	0.000	85	513736	25.0	31.4	
37 Vinyl acetate	43	3.281	3.281	0.000	97	1094655	50.0	53.1	
44 2,2-Dichloropropane	77	3.664	3.664	0.000	86	153178	25.0	26.1	
45 cis-1,2-Dichloroethene	96	3.689	3.689	0.000	69	303523	25.0	28.7	
43 2-Butanone (MEK)	43	3.725	3.725	0.000	99	1090049	125.0	141.9	
48 Chlorobromomethane	128	3.877	3.877	0.000	94	145886	25.0	28.3	
49 Tetrahydrofuran	42	3.896	3.896	0.000	87	281344	50.0	55.1	
50 Chloroform	83	3.932	3.932	0.000	69	492688	25.0	28.9	
51 1,1,1-Trichloroethane	97	4.029	4.029	0.000	84	276566	25.0	27.0	
52 Cyclohexane	56	4.029	4.029	0.000	91	553582	25.0	31.1	
55 Carbon tetrachloride	117	4.139	4.139	0.000	60	248012	25.0	27.0	
54 1,1-Dichloropropene	75	4.151	4.151	0.000	94	382302	25.0	30.3	
57 Benzene	78	4.315	4.315	0.000	96	1212262	25.0	28.6	
53 Isobutyl alcohol	43	4.321	4.321	0.000	60	501008	625.0	639.0	
58 1,2-Dichloroethane	62	4.370	4.370	0.000	74	435120	25.0	26.9	
59 n-Heptane	43	4.443	4.443	0.000	92	486671	25.0	30.5	
62 Trichloroethene	95	4.790	4.790	0.000	93	290211	25.0	29.2	
64 Methylcyclohexane	83	4.881	4.881	0.000	92	448515	25.0	27.0	
65 1,2-Dichloropropane	63	4.985	4.985	0.000	90	304401	25.0	28.2	
67 Dibromomethane	93	5.088	5.088	0.000	92	181214	25.0	28.2	
66 1,4-Dioxane	88	5.100	5.100	0.000	55	81411	500.0	477.6	
68 Dichlorobromomethane	83	5.204	5.204	0.000	93	331692	25.0	26.3	
69 2-Chloroethyl vinyl ether	63	5.417	5.417	0.000	92	229511	25.0	29.0	
72 cis-1,3-Dichloropropene	75	5.526	5.526	0.000	89	428505	25.0	26.5	
73 4-Methyl-2-pentanone (MIBK)	43	5.642	5.642	0.000	97	2160214	125.0	137.6	
74 Toluene	92	5.751	5.751	0.000	93	752129	25.0	27.1	
77 trans-1,3-Dichloropropene	75	5.958	5.958	0.000	93	360611	25.0	24.4	
75 Ethyl methacrylate	69	5.988	5.988	0.000	83	474452	25.0	28.5	
79 1,1,2-Trichloroethane	83	6.104	6.104	0.000	88	241669	25.0	26.7	
81 Tetrachloroethene	166	6.147	6.147	0.000	79	316810	25.0	27.9	
82 1,3-Dichloropropane	76	6.232	6.232	0.000	92	521737	25.0	26.1	
80 2-Hexanone	43	6.280	6.280	0.000	80	1611775	125.0	137.3	
83 Chlorodibromomethane	129	6.408	6.408	0.000	88	223018	25.0	25.1	
84 Ethylene Dibromide	107	6.493	6.493	0.000	98	289967	25.0	27.6	
87 Chlorobenzene	112	6.846	6.846	0.000	92	845485	25.0	26.8	
88 Ethylbenzene	91	6.913	6.913	0.000	84	1468303	25.0	27.7	
89 1,1,1,2-Tetrachloroethane	131	6.919	6.919	0.000	42	236786	25.0	25.0	
90 m-Xylene & p-Xylene	106	7.004	7.004	0.000	0	571565	25.0	28.0	
91 o-Xylene	106	7.321	7.321	0.000	98	550629	25.0	27.7	
92 Styrene	104	7.345	7.345	0.000	95	974106	25.0	28.4	
95 Bromoform	173	7.534	7.534	0.000	96	140257	25.0	29.3	
94 Isopropylbenzene	105	7.607	7.607	0.000	96	1473740	25.0	28.0	
101 Bromobenzene	156	7.880	7.880	0.000	95	371136	25.0	26.3	
97 1,1,2,2-Tetrachloroethane	83	7.917	7.917	0.000	82	420145	25.0	27.2	
99 N-Propylbenzene	91	7.941	7.941	0.000	76	1742793	25.0	28.0	
100 1,2,3-Trichloropropane	110	7.947	7.947	0.000	50	139604	25.0	25.9	
98 trans-1,4-Dichloro-2-buten	53	7.953	7.953	0.000	59	109790	25.0	28.1	
103 2-Chlorotoluene	126	8.026	8.026	0.000	94	334686	25.0	26.5	
102 1,3,5-Trimethylbenzene	105	8.081	8.081	0.000	67	1249850	25.0	27.8	
105 4-Chlorotoluene	126	8.118	8.118	0.000	97	352715	25.0	26.5	
106 tert-Butylbenzene	134	8.343	8.343	0.000	92	275617	25.0	27.8	
107 1,2,4-Trimethylbenzene	105	8.385	8.385	0.000	66	1296893	25.0	27.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.519	8.519	0.000	95	1576031	25.0	28.5	
111 1,3-Dichlorobenzene	146	8.635	8.635	0.000	74	706202	25.0	26.6	
110 4-Isopropyltoluene	119	8.641	8.641	0.000	94	1351846	25.0	28.6	
113 1,4-Dichlorobenzene	146	8.714	8.714	0.000	93	721806	25.0	26.4	
115 n-Butylbenzene	91	8.975	8.975	0.000	98	1234596	25.0	29.1	
116 1,2-Dichlorobenzene	146	9.024	9.024	0.000	91	690387	25.0	26.5	
117 1,2-Dibromo-3-Chloropropan	75	9.699	9.699	0.000	74	68618	25.0	26.2	
119 1,2,4-Trichlorobenzene	180	10.344	10.344	0.000	92	476053	25.0	29.1	
120 Hexachlorobutadiene	225	10.454	10.454	0.000	94	235003	25.0	30.1	
121 Naphthalene	128	10.563	10.563	0.000	97	1288378	25.0	29.1	
122 1,2,3-Trichlorobenzene	180	10.752	10.752	0.000	93	439760	25.0	29.4	
S 125 1,2-Dichloroethene, Total	1				0			59.1	
S 126 1,3-Dichloropropene, Total	1				0			50.9	
S 123 Total BTEX	1				0			139.0	
S 124 Xylenes, Total	1				0			55.6	

Reagents:

8260 CORP mix_00015	Amount Added: 12.50	Units: uL	
GAS CORP mix_00037	Amount Added: 12.50	Units: uL	
S_8260_Surr_00089	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_IS_00083	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40273.D

Injection Date: 23-Jul-2014 10:12:30

Instrument ID: HP5973S

Operator ID: CN

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

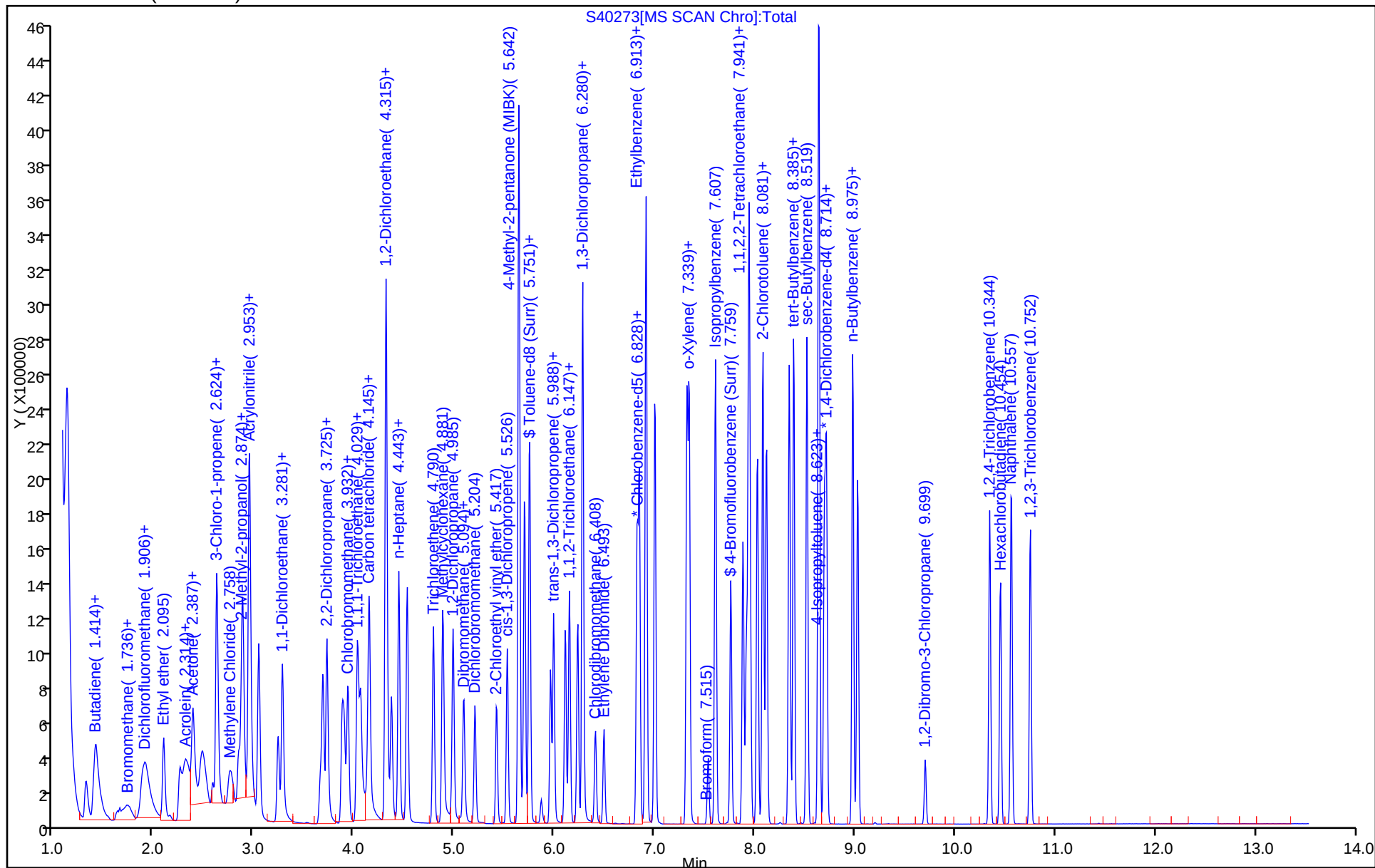
Dil. Factor: 1.0000

ALS Bottle#: 31

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Lab Sample ID: CCVIS 480-194540/3 Calibration Date: 07/24/2014 10:24

Instrument ID: HP5973S Calib Start Date: 07/11/2014 18:40

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 07/11/2014 20:55

Lab File ID: S40302.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	Lin1		2.019	0.1000	31.9	25.0	27.6*	20.0
Chloromethane	Ave	1.606	2.039	0.1000	31.7	25.0	26.9*	20.0
Vinyl chloride	Ave	1.604	1.995	0.1000	31.1	25.0	24.3*	20.0
Butadiene	Ave	1.397	1.627		29.1	25.0	16.4	20.0
Bromomethane	Ave	0.6608	0.6717	0.1000	25.4	25.0	1.6	20.0
Chloroethane	Ave	0.9594	1.143	0.1000	29.8	25.0	19.1	20.0
Trichlorofluoromethane	Lin1		2.237	0.1000	29.2	25.0	16.6	20.0
Dichlorofluoromethane	Ave	2.095	2.607		31.1	25.0	24.4*	20.0
Ethyl ether	Ave	1.271	1.382		27.2	25.0	8.7	20.0
Acrolein	Ave	0.1887	0.2291		152	125	21.4*	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.417	0.1000	27.6	25.0	10.5	20.0
1,1-Dichloroethene	Ave	1.348	1.700	0.1000	31.5	25.0	26.1*	20.0
Acetone	Ave	0.6439	0.7047	0.1000	137	125	9.4	20.0
Iodomethane	Ave	1.821	2.019		27.7	25.0	10.9	20.0
Carbon disulfide	Lin1		3.890	0.1000	22.1	25.0	-11.8	20.0
Allyl chloride	Ave	1.270	1.662		32.7	25.0	30.9*	20.0
Methyl acetate	Ave	1.527	1.633	0.1000	134	125	6.9	20.0
Methylene Chloride	Ave	1.634	1.690	0.1000	25.9	25.0	3.5	20.0
2-Methyl-2-propanol	Ave	0.2071	0.2050		247	250	-1.0	20.0
Methyl tert-butyl ether	Ave	4.330	4.477	0.1000	25.9	25.0	3.4	20.0
trans-1,2-Dichloroethene	Ave	1.265	1.493	0.1000	29.5	25.0	18.0	20.0
Acrylonitrile	Ave	0.7094	0.7726		272	250	8.9	20.0
Hexane	Lin1		2.257		31.0	25.0	24.2*	20.0
1,1-Dichloroethane	Ave	2.113	2.594	0.2000	30.7	25.0	22.7*	20.0
Vinyl acetate	Lin1		2.739		51.5	50.0	3.0	20.0
2,2-Dichloropropane	Lin1		0.7749		25.6	25.0	2.3	20.0
cis-1,2-Dichloroethene	Ave	1.364	1.511	0.1000	27.7	25.0	10.8	20.0
2-Butanone (MEK)	Ave	0.9915	1.060	0.1000	134	125	6.9	20.0
Chlorobromomethane	Ave	0.6661	0.7137		26.8	25.0	7.2	20.0
Tetrahydrofuran	Ave	0.6592	0.6898		52.3	50.0	4.6	20.0
Chloroform	Ave	2.198	2.487	0.2000	28.3	25.0	13.2	20.0
1,1,1-Trichloroethane	Lin1		1.327	0.1000	25.1	25.0	0.5	20.0
Cyclohexane	Lin1		2.774	0.1000	30.2	25.0	20.7*	20.0
Carbon tetrachloride	Lin		1.233	0.1000	26.1	25.0	4.5	20.0
1,1-Dichloropropene	Ave	1.626	1.947		29.9	25.0	19.8	20.0
Benzene	Ave	5.470	6.141	0.5000	28.1	25.0	12.3	20.0
Isobutyl alcohol	Lin1		0.0942		584	625	-6.6	20.0
1,2-Dichloroethane	Ave	2.091	2.149	0.1000	25.7	25.0	2.8	20.0
n-Heptane	Lin1		2.485		30.1	25.0	20.5*	20.0
Trichloroethene	Ave	1.280	1.481	0.2000	28.9	25.0	15.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Lab Sample ID: CCVIS 480-194540/3 Calibration Date: 07/24/2014 10:24

Instrument ID: HP5973S Calib Start Date: 07/11/2014 18:40

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 07/11/2014 20:55

Lab File ID: S40302.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Lin1		2.340	0.1000	27.3	25.0	9.2	20.0
1,2-Dichloropropane	Ave	1.394	1.541	0.1000	27.6	25.0	10.5	20.0
Dibromomethane	Ave	0.8290	0.8992	0.1000	27.1	25.0	8.5	20.0
1,4-Dioxane	Ave	0.0104	0.0095		453	500	-9.3	20.0
Bromodichloromethane	Lin1		1.669	0.2000	25.7	25.0	2.6	20.0
2-Chloroethyl vinyl ether	Ave	1.021	1.115		27.3	25.0	9.2	20.0
cis-1,3-Dichloropropene	Lin1		2.115	0.2000	25.4	25.0	1.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9619	1.057	0.1000	137	125	9.9	20.0
Toluene	Ave	1.704	1.887	0.4000	27.7	25.0	10.8	20.0
trans-1,3-Dichloropropene	Lin1		0.8760	0.1000	24.2	25.0	-3.2	20.0
Ethyl methacrylate	Ave	1.019	1.140		28.0	25.0	11.9	20.0
1,1,2-Trichloroethane	Ave	0.5553	0.5827	0.1000	26.2	25.0	4.9	20.0
Tetrachloroethene	Ave	0.6959	0.8093	0.2000	29.1	25.0	16.3	20.0
1,3-Dichloropropane	Ave	1.225	1.282		26.2	25.0	4.7	20.0
2-Hexanone	Ave	0.7197	0.7844	0.1000	136	125	9.0	20.0
Dibromochloromethane	Lin		0.5429	0.1000	25.0	25.0	-0.0	20.0
1,2-Dibromoethane	Ave	0.6440	0.6931		26.9	25.0	7.6	20.0
Chlorobenzene	Ave	1.937	2.077	0.5000	26.8	25.0	7.3	20.0
Ethylbenzene	Ave	3.244	3.689	0.1000	28.4	25.0	13.7	20.0
1,1,1,2-Tetrachloroethane	Lin1		0.5849		25.2	25.0	0.8	20.0
m,p-Xylene	Ave	1.253	1.413	0.1000	28.2	25.0	12.8	20.0
o-Xylene	Ave	1.220	1.369	0.3000	28.0	25.0	12.2	20.0
Styrene	Ave	2.105	2.389	0.3000	28.4	25.0	13.5	20.0
Bromoform	Qua		0.3317	0.1000	28.4	25.0	13.7	20.0
Isopropylbenzene	Ave	3.451	4.006	0.1000	29.0	25.0	16.1	20.0
Bromobenzene	Ave	0.9253	0.9864		26.6	25.0	6.6	20.0
1,1,2,2-Tetrachloroethane	Ave	1.012	1.118	0.3000	27.6	25.0	10.5	20.0
N-Propylbenzene	Ave	4.075	4.813		29.5	25.0	18.1	20.0
1,2,3-Trichloropropane	Ave	0.3529	0.3693		26.2	25.0	4.6	20.0
trans-1,4-Dichloro-2-butene	Lin		0.2972		28.9	25.0	15.5	20.0
2-Chlorotoluene	Ave	0.8284	0.9178		27.7	25.0	10.8	20.0
1,3,5-Trimethylbenzene	Ave	2.942	3.389		28.8	25.0	15.2	20.0
4-Chlorotoluene	Ave	0.8730	0.9542		27.3	25.0	9.3	20.0
tert-Butylbenzene	Ave	0.6492	0.7562		29.1	25.0	16.5	20.0
1,2,4-Trimethylbenzene	Ave	3.042	3.518		28.9	25.0	15.7	20.0
sec-Butylbenzene	Ave	3.621	4.319		29.8	25.0	19.3	20.0
1,3-Dichlorobenzene	Ave	1.740	1.915	0.6000	27.5	25.0	10.1	20.0
4-Isopropyltoluene	Ave	3.095	3.697		29.9	25.0	19.4	20.0
1,4-Dichlorobenzene	Ave	1.791	1.924	0.5000	26.9	25.0	7.4	20.0
n-Butylbenzene	Ave	2.778	3.408		30.7	25.0	22.6*	20.0
1,2-Dichlorobenzene	Ave	1.707	1.833	0.4000	26.8	25.0	7.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-194540/3 Calibration Date: 07/24/2014 10:24
 Instrument ID: HP5973S Calib Start Date: 07/11/2014 18:40
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 07/11/2014 20:55
 Lab File ID: S40302.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Lin		0.1736	0.0500	25.4	25.0	1.7	20.0
1,2,4-Trichlorobenzene	Ave	1.073	1.248	0.2000	29.1	25.0	16.3	20.0
Hexachlorobutadiene	Ave	0.5114	0.6367		31.1	25.0	24.5*	20.0
Naphthalene	Ave	2.899	3.316		28.6	25.0	14.4	20.0
1,2,3-Trichlorobenzene	Ave	0.9801	1.145		29.2	25.0	16.8	20.0
Dibromofluoromethane (Surr)	Ave	1.045	1.074		25.7	25.0	2.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8159	0.8084		24.8	25.0	-0.9	20.0
Toluene-d8 (Surr)	Ave	2.385	2.298		24.1	25.0	-3.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7583	0.7467		24.6	25.0	-1.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40302.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 24-Jul-2014 10:24:30 ALS Bottle#: 60 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0034054-003480-0034054-003
 Operator ID: CN Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 25-Jul-2014 10:01:22 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK002

First Level Reviewer: manc

Date: 25-Jul-2014 10:01:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	195824	25.0	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	394418	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.695	8.695	0.000	45	362654	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.060	4.060	0.000	57	210301	25.0	25.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	158301	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.696	0.000	56	906414	25.0	24.1	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	87	294512	25.0	24.6	
10 Dichlorodifluoromethane	85	1.194	1.194	0.000	87	395438	25.0	31.9	
12 Chloromethane	50	1.322	1.322	0.000	88	399318	25.0	31.7	
13 Vinyl chloride	62	1.407	1.407	0.000	82	390689	25.0	31.1	
151 Butadiene	54	1.420	1.420	0.000	57	318538	25.0	29.1	
14 Bromomethane	94	1.657	1.657	0.000	90	131533	25.0	25.4	
15 Chloroethane	64	1.748	1.748	0.000	92	223848	25.0	29.8	
17 Trichlorofluoromethane	101	1.882	1.882	0.000	55	437960	25.0	29.2	
16 Dichlorofluoromethane	67	1.888	1.888	0.000	81	510524	25.0	31.1	
18 Ethyl ether	59	2.095	2.095	0.000	91	270672	25.0	27.2	
20 Acrolein	56	2.259	2.259	0.000	98	224284	125.0	151.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.289	2.289	0.000	59	277404	25.0	27.6	
22 1,1-Dichloroethene	96	2.314	2.314	0.000	86	332920	25.0	31.5	
23 Acetone	43	2.387	2.387	0.000	99	690029	125.0	136.8	
25 Iodomethane	142	2.472	2.472	0.000	62	395324	25.0	27.7	
26 Carbon disulfide	76	2.490	2.490	0.000	98	761675	25.0	22.1	
28 3-Chloro-1-propene	41	2.588	2.588	0.000	45	325366	25.0	32.7	
27 Methyl acetate	43	2.624	2.624	0.000	96	1598613	125.0	133.7	
30 Methylene Chloride	84	2.764	2.764	0.000	81	331030	25.0	25.9	
31 2-Methyl-2-propanol	59	2.843	2.843	0.000	94	401491	250.0	247.5	
32 Methyl tert-butyl ether	73	2.880	2.880	0.000	90	876794	25.0	25.9	
34 trans-1,2-Dichloroethene	96	2.892	2.892	0.000	48	292450	25.0	29.5	
33 Acrylonitrile	53	2.953	2.953	0.000	99	1512880	250.0	272.3	
35 Hexane	57	3.044	3.044	0.000	91	441949	25.0	31.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.238	3.238	0.000	85	507958	25.0	30.7	
37 Vinyl acetate	43	3.281	3.281	0.000	97	1072703	50.0	51.5	
44 2,2-Dichloropropane	77	3.664	3.664	0.000	85	151749	25.0	25.6	
45 cis-1,2-Dichloroethene	96	3.689	3.689	0.000	70	295821	25.0	27.7	
43 2-Butanone (MEK)	43	3.725	3.725	0.000	99	1038132	125.0	133.7	
48 Chlorobromomethane	128	3.877	3.877	0.000	94	139759	25.0	26.8	
49 Tetrahydrofuran	42	3.896	3.896	0.000	87	270150	50.0	52.3	
50 Chloroform	83	3.932	3.932	0.000	70	487023	25.0	28.3	
51 1,1,1-Trichloroethane	97	4.029	4.029	0.000	83	259895	25.0	25.1	
52 Cyclohexane	56	4.029	4.029	0.000	92	543196	25.0	30.2	
55 Carbon tetrachloride	117	4.139	4.139	0.000	62	241522	25.0	26.1	
54 1,1-Dichloropropene	75	4.151	4.151	0.000	92	381215	25.0	29.9	
57 Benzene	78	4.315	4.315	0.000	96	1202491	25.0	28.1	
53 Isobutyl alcohol	43	4.315	4.315	0.000	55	461025	625.0	583.7	
58 1,2-Dichloroethane	62	4.370	4.370	0.000	74	420839	25.0	25.7	
59 n-Heptane	43	4.443	4.443	0.000	92	486572	25.0	30.1	
62 Trichloroethene	95	4.790	4.790	0.000	94	289969	25.0	28.9	
64 Methylcyclohexane	83	4.881	4.881	0.000	92	458138	25.0	27.3	
65 1,2-Dichloropropane	63	4.984	4.984	0.000	90	301678	25.0	27.6	
67 Dibromomethane	93	5.088	5.088	0.000	92	176090	25.0	27.1	
66 1,4-Dioxane	88	5.100	5.100	0.000	54	74722	500.0	453.3	
68 Dichlorobromomethane	83	5.203	5.203	0.000	92	326735	25.0	25.7	
69 2-Chloroethyl vinyl ether	63	5.422	5.422	0.000	92	218256	25.0	27.3	
72 cis-1,3-Dichloropropene	75	5.526	5.526	0.000	89	414074	25.0	25.4	
73 4-Methyl-2-pentanone (MIBK)	43	5.642	5.642	0.000	97	2084056	125.0	137.3	
74 Toluene	92	5.751	5.751	0.000	93	744290	25.0	27.7	
77 trans-1,3-Dichloropropene	75	5.958	5.958	0.000	93	345507	25.0	24.2	
75 Ethyl methacrylate	69	5.988	5.988	0.000	89	449461	25.0	28.0	
79 1,1,2-Trichloroethane	83	6.104	6.104	0.000	89	229823	25.0	26.2	
81 Tetrachloroethene	166	6.146	6.146	0.000	79	319197	25.0	29.1	
82 1,3-Dichloropropane	76	6.232	6.232	0.000	93	505645	25.0	26.2	
80 2-Hexanone	43	6.280	6.280	0.000	97	1546858	125.0	136.2	
83 Chlorodibromomethane	129	6.408	6.408	0.000	88	214123	25.0	25.0	
84 Ethylene Dibromide	107	6.493	6.493	0.000	97	273370	25.0	26.9	
87 Chlorobenzene	112	6.846	6.846	0.000	93	819280	25.0	26.8	
88 Ethylbenzene	91	6.913	6.913	0.000	84	1454809	25.0	28.4	
89 1,1,1,2-Tetrachloroethane	131	6.919	6.919	0.000	41	230709	25.0	25.2	
90 m-Xylene & p-Xylene	106	7.004	7.004	0.000	0	557485	25.0	28.2	
91 o-Xylene	106	7.321	7.321	0.000	98	539781	25.0	28.0	
92 Styrene	104	7.345	7.345	0.000	95	942420	25.0	28.4	
95 Bromoform	173	7.533	7.533	0.000	96	130827	25.0	28.4	
94 Isopropylbenzene	105	7.606	7.606	0.000	96	1452782	25.0	29.0	
101 Bromobenzene	156	7.880	7.880	0.000	95	357722	25.0	26.6	
97 1,1,2,2-Tetrachloroethane	83	7.917	7.917	0.000	82	405547	25.0	27.6	
99 N-Propylbenzene	91	7.941	7.941	0.000	80	1745472	25.0	29.5	
100 1,2,3-Trichloropropane	110	7.947	7.947	0.000	50	133924	25.0	26.2	
98 trans-1,4-Dichloro-2-buten	53	7.953	7.953	0.000	59	107763	25.0	28.9	
103 2-Chlorotoluene	126	8.026	8.026	0.000	94	332853	25.0	27.7	
102 1,3,5-Trimethylbenzene	105	8.081	8.081	0.000	67	1229186	25.0	28.8	
105 4-Chlorotoluene	126	8.118	8.118	0.000	97	346059	25.0	27.3	
106 tert-Butylbenzene	134	8.343	8.343	0.000	92	274233	25.0	29.1	
107 1,2,4-Trimethylbenzene	105	8.385	8.385	0.000	66	1275916	25.0	28.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.519	8.519	0.000	95	1566192	25.0	29.8	
111 1,3-Dichlorobenzene	146	8.641	8.641	0.000	70	694459	25.0	27.5	
110 4-Isopropyltoluene	119	8.641	8.641	0.000	94	1340655	25.0	29.9	
113 1,4-Dichlorobenzene	146	8.714	8.714	0.000	94	697818	25.0	26.9	
115 n-Butylbenzene	91	8.975	8.975	0.000	95	1235803	25.0	30.7	
116 1,2-Dichlorobenzene	146	9.024	9.024	0.000	91	664704	25.0	26.8	
117 1,2-Dibromo-3-Chloropropan	75	9.699	9.699	0.000	74	62958	25.0	25.4	
119 1,2,4-Trichlorobenzene	180	10.344	10.344	0.000	93	452582	25.0	29.1	
120 Hexachlorobutadiene	225	10.454	10.454	0.000	95	230891	25.0	31.1	
121 Naphthalene	128	10.563	10.563	0.000	97	1202420	25.0	28.6	
122 1,2,3-Trichlorobenzene	180	10.752	10.752	0.000	93	415245	25.0	29.2	
S 123 Total BTEX	1				0			140.4	
S 124 Xylenes, Total	1				0			56.2	
S 125 1,2-Dichloroethene, Total	1				0			57.2	
S 126 1,3-Dichloropropene, Total	1				0			49.6	

Reagents:

8260 CORP mix_00015	Amount Added: 12.50	Units: uL	
GAS CORP mix_00038	Amount Added: 12.50	Units: uL	
S_8260_Surr_00089	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_IS_00083	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40302.D

Injection Date: 24-Jul-2014 10:24:30

Instrument ID: HP5973S

Lims ID: CCVIS

Operator ID: CN

Client ID:

Worklist Smp#: 3

Purge Vol: 5.000 mL

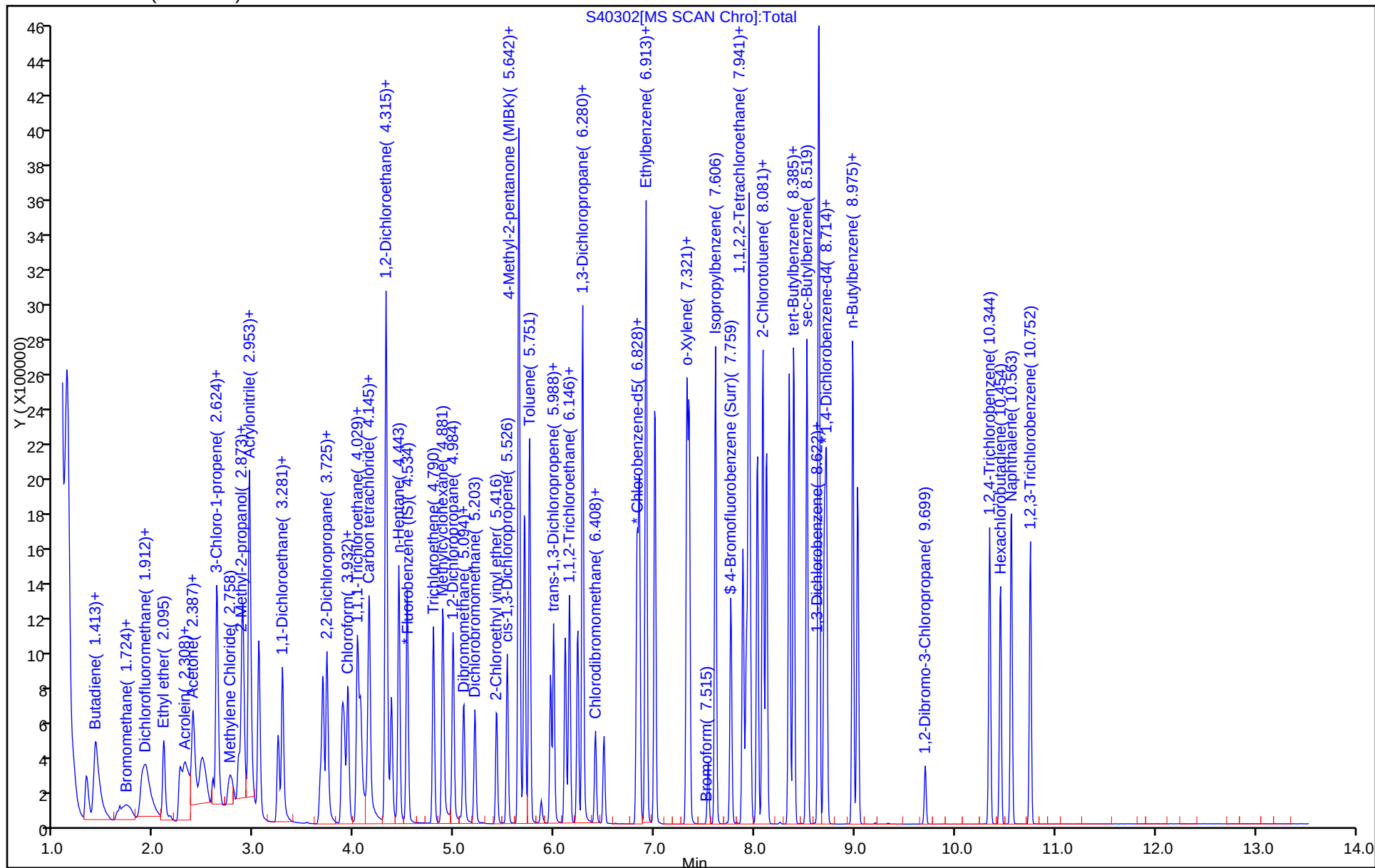
Dil. Factor: 1.0000

ALS Bottle#: 60

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40108.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Jul-2014 17:54:30 ALS Bottle#: 57 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0033718-002 =480-0033718-002
Operator ID: NQ Instrument ID: HP5973S
Method: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Jul-2014 18:02:52 Calib Date: 12-Jul-2014 00:39:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: nguyendudziaknq

Date: 17-Jul-2014 18:02:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 61 BFB	95	3.714	3.714	0.000	0	415593	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00034

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40108.D

Injection Date: 11-Jul-2014 17:54:30

Instrument ID: HP5973S

Lims ID: BFB

Client ID:

Operator ID: NQ

ALS Bottle#: 57 Worklist Smp#: 2

Injection Vol: 1.0 uL

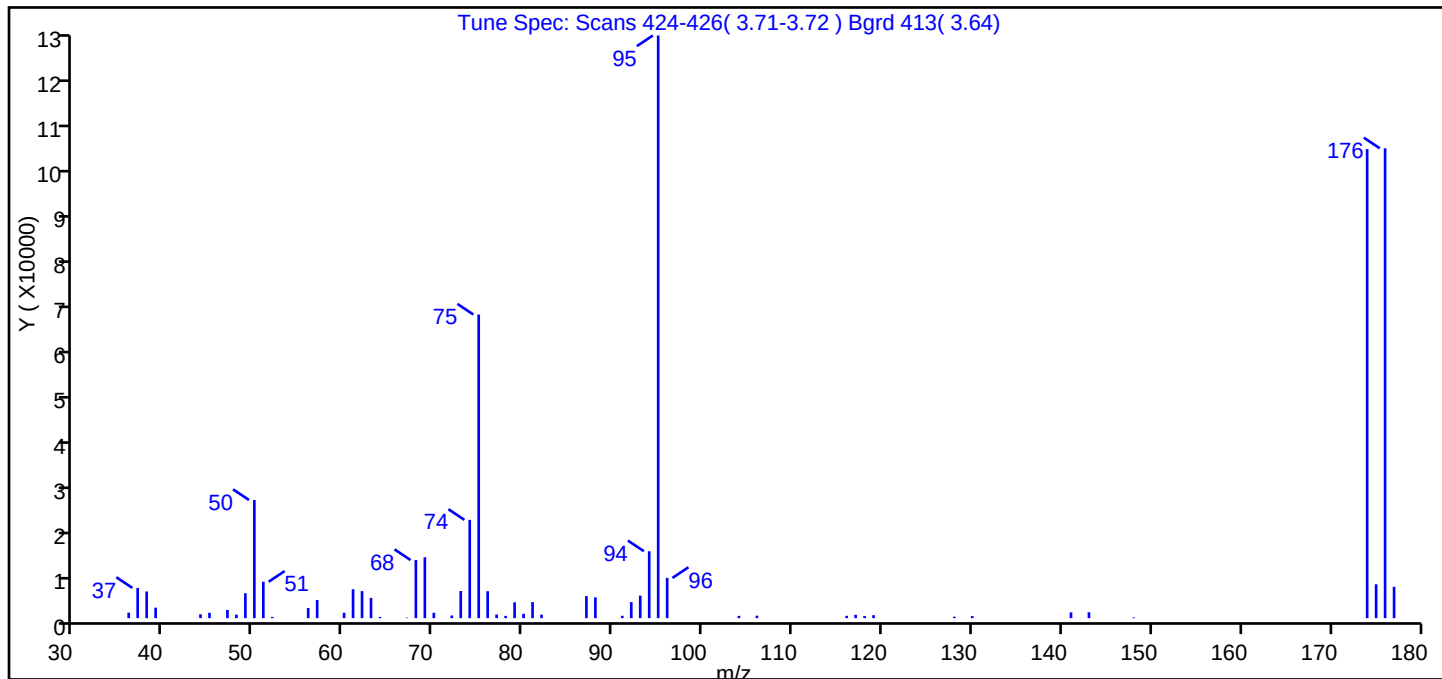
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.30
75	30.00 - 60.00% of mass 95	52.10
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	80.50
175	5.00 - 9.00% of mass 174	5.80 (7.20)
176	95.00 - 101.00% of mass 174	80.60 (100.20)
177	5.00 - 9.00% of mass 176	5.40 (6.70)

Data File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40108.D\S-8260.rslt\spectra.d
Injection Date: 11-Jul-2014 17:54:30
Spectrum: Tune Spec: Scans 424-426(3.71-3.72) Bgrd 413(3.64)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 58

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1148	60.00	1131	78.00	479	116.00	488
37.00	6349	61.00	6076	79.00	3330	117.00	700
38.00	5599	62.00	5678	80.00	920	118.00	437
39.00	2205	63.00	4256	81.00	3373	119.00	625
40.00	6	64.00	248	82.00	733	128.00	304
44.00	817	67.00	116	87.00	4630	130.00	428
45.00	1127	68.00	12207	88.00	4359	141.00	1211
47.00	1728	69.00	12798	91.00	500	143.00	1241
48.00	733	70.00	1126	92.00	3363	148.00	150
49.00	5229	72.00	557	93.00	4728	174.00	98552
50.00	24824	73.00	5697	94.00	14056	175.00	7115
51.00	7646	74.00	20648	95.00	122416	176.00	98712
52.00	256	75.00	63784	96.00	8452	177.00	6595
56.00	2121	76.00	5654	104.00	479		
57.00	3806	77.00	759	106.00	518		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40272.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 23-Jul-2014 09:49:30 ALS Bottle#: 30 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0034014-002480-0034014-002
Operator ID: CN Instrument ID: HP5973S
Method: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Jul-2014 10:02:10 Calib Date: 12-Jul-2014 00:39:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: manc

Date: 23-Jul-2014 10:02:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 61 BFB	95	3.727	3.727	0.000	0	321733	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00035

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40272.D

Injection Date: 23-Jul-2014 09:49:30

Instrument ID: HP5973S

Lims ID: BFB

Client ID:

Operator ID: CN

ALS Bottle#: 30 Worklist Smp#: 2

Injection Vol: 1.0 uL

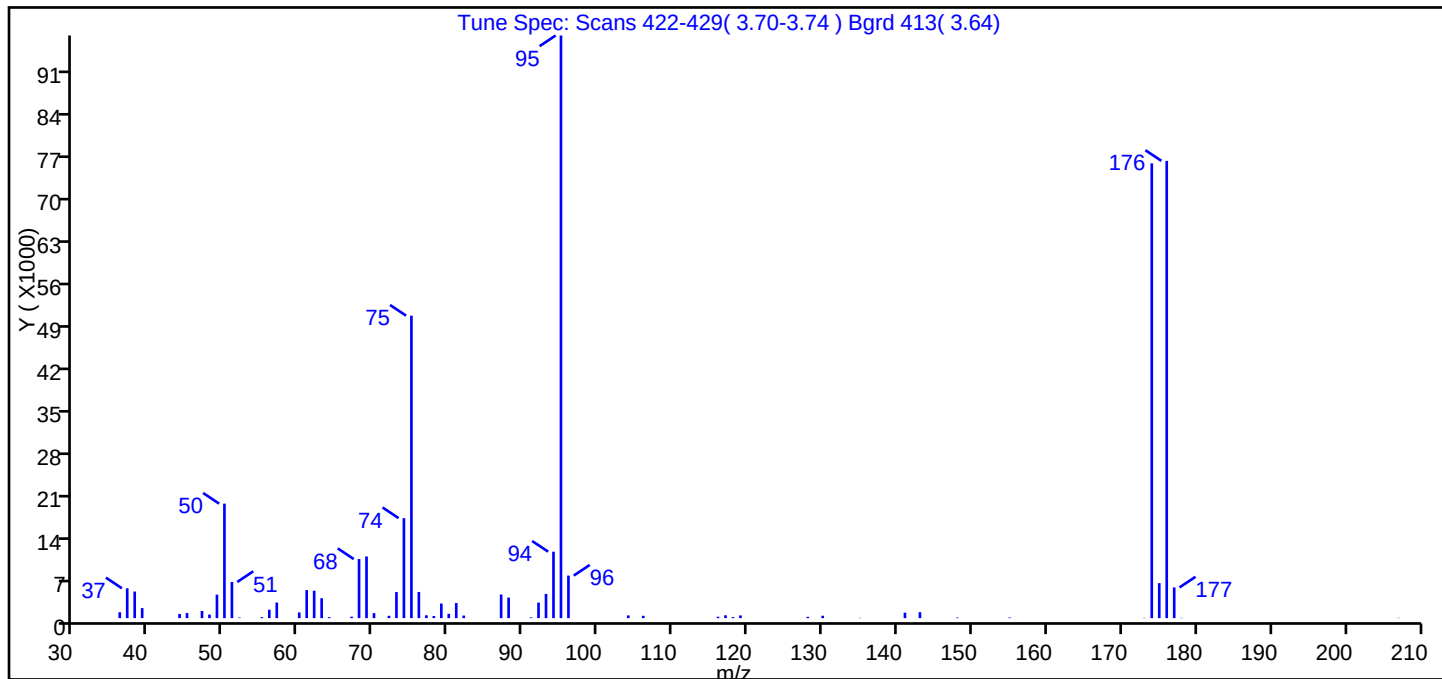
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.70
75	30.00 - 60.00% of mass 95	51.90
96	5.00 - 9.00% of mass 95	7.30
173	Less than 2.00% of mass 174	0.10 (0.10)
174	50.00 - 120.00% of mass 95	78.10
175	5.00 - 9.00% of mass 174	6.00 (7.70)
176	95.00 - 101.00% of mass 174	78.50 (100.60)
177	5.00 - 9.00% of mass 176	5.30 (6.70)

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40272.D\S-8260.rslt\spectra.d
Injection Date: 23-Jul-2014 09:49:30
Spectrum: Tune Spec: Scans 422-429(3.70-3.74) Bgrd 413(3.64)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	973	61.00	4642	80.00	715	119.00	452
37.00	4944	62.00	4535	81.00	2508	128.00	216
38.00	4404	63.00	3298	82.00	428	130.00	396
39.00	1666	64.00	173	87.00	3912	135.00	45
44.00	692	67.00	237	88.00	3408	141.00	904
45.00	847	68.00	9785	91.00	127	143.00	988
47.00	1192	69.00	10216	92.00	2570	148.00	96
48.00	597	70.00	832	93.00	4014	155.00	101
49.00	3899	72.00	386	94.00	11005	173.00	54
50.00	18960	73.00	4320	95.00	96480	174.00	75304
51.00	5986	74.00	16560	96.00	7046	175.00	5797
52.00	95	75.00	50088	104.00	452	176.00	75720
55.00	169	76.00	4336	106.00	389	177.00	5089
56.00	1395	77.00	482	116.00	235	178.00	44
57.00	2584	78.00	359	117.00	477	207.00	49
60.00	946	79.00	2417	118.00	178		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40301.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 24-Jul-2014 09:51:30 ALS Bottle#: 59 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0034054-002480-0034054-002
Operator ID: CN Instrument ID: HP5973S
Method: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Jul-2014 10:09:52 Calib Date: 12-Jul-2014 00:39:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: manc

Date: 24-Jul-2014 10:09:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 61 BFB	95	3.763	3.763	0.000	0	252234	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00035

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40301.D

Injection Date: 24-Jul-2014 09:51:30

Instrument ID: HP5973S

Lims ID: BFB

Client ID:

Operator ID: CN

ALS Bottle#: 59 Worklist Smp#: 2

Injection Vol: 1.0 uL

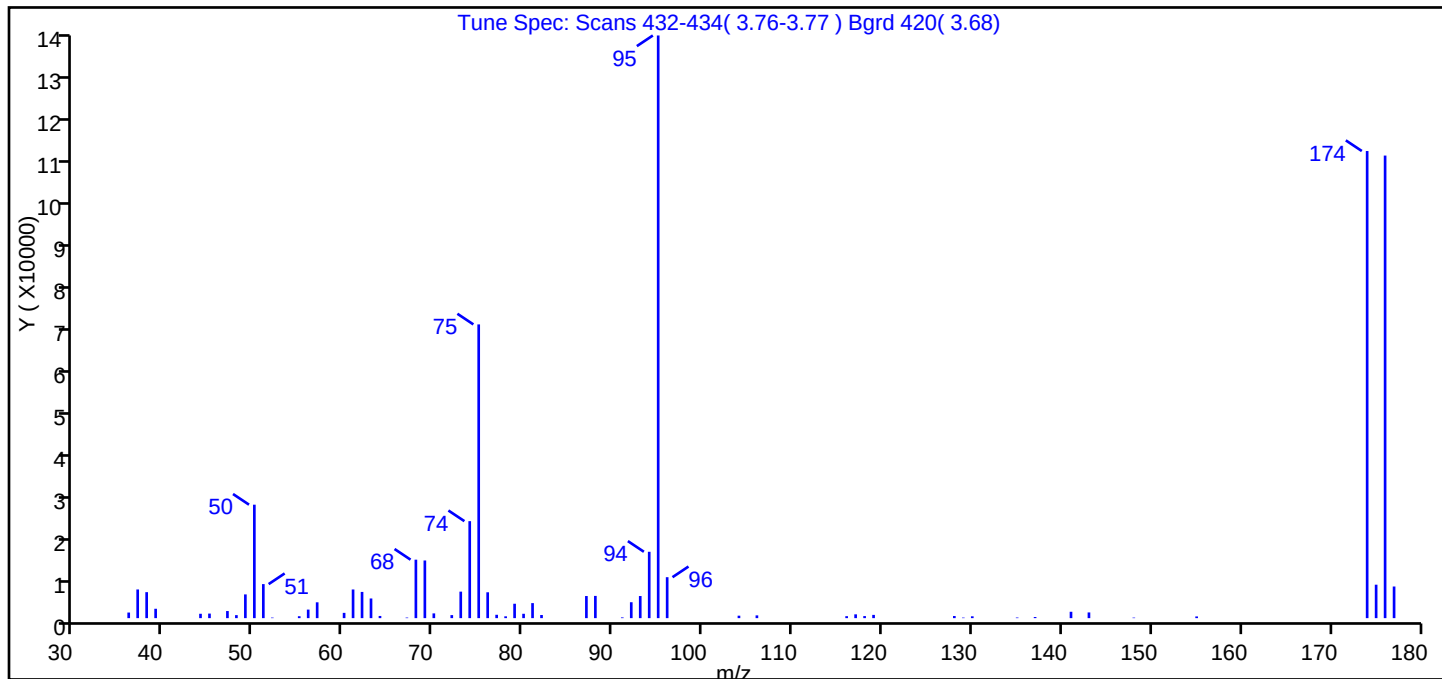
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.50
75	30.00 - 60.00% of mass 95	50.40
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	80.20
175	5.00 - 9.00% of mass 174	5.70 (7.20)
176	95.00 - 101.00% of mass 174	79.40 (99.00)
177	5.00 - 9.00% of mass 176	5.40 (6.80)

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40301.D\S-8260.rslt\spectra.d
Injection Date: 24-Jul-2014 09:51:30
Spectrum: Tune Spec: Scans 432-434(3.76-3.77) Bgrd 420(3.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1292	61.00	6609	80.00	1007	119.00	751
37.00	6612	62.00	6045	81.00	3465	128.00	489
38.00	5991	63.00	4535	82.00	723	129.00	123
39.00	2163	64.00	504	87.00	5099	130.00	423
44.00	1007	67.00	133	88.00	5126	135.00	141
45.00	1052	68.00	13479	91.00	166	137.00	257
47.00	1637	69.00	13295	92.00	3670	141.00	1470
48.00	694	70.00	1096	93.00	5100	143.00	1316
49.00	5473	72.00	702	94.00	15301	148.00	121
50.00	26160	73.00	6111	95.00	134336	155.00	393
51.00	7847	74.00	22360	96.00	9442	174.00	107696
52.00	127	75.00	67720	104.00	568	175.00	7711
55.00	443	76.00	5962	106.00	638	176.00	106648
56.00	1972	77.00	774	116.00	455	177.00	7295
57.00	3650	78.00	418	117.00	878		
60.00	1218	79.00	3320	118.00	477		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-194301/8

Matrix: Water Lab File ID: S40277.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 12:02

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 194301 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.: 480-63953-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-194301/8

Matrix: Water Lab File ID: S40277.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 12:02

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		66-137
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40277.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 23-Jul-2014 12:02:30 ALS Bottle#: 35 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0034014-008480-0034014-008
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Aug-2014 07:17:05 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: gigliad

Date: 07-Aug-2014 07:17:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	203082	25.0	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	393554	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	96	331189	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.066	4.060	0.006	58	205254	25.0	24.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	162905	25.0	24.6	
\$ 5 Toluene-d8 (Surr)	98	5.703	5.696	0.007	93	937807	25.0	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	86	278502	25.0	23.3	
10 Dichlorodifluoromethane	85		1.188					ND	
11 Chlorodifluoromethane	51		1.225					ND	
12 Chloromethane	50		1.316					ND	
13 Vinyl chloride	62		1.407					ND	
151 Butadiene	54		1.426					ND	
14 Bromomethane	94		1.645					ND	
15 Chloroethane	64		1.736					ND	
16 Dichlorofluoromethane	67		1.894					ND	
17 Trichlorofluoromethane	101		1.894					ND	
18 Ethyl ether	59		2.095					ND	
148 Ethanol	45		2.101					ND	
19 Propene oxide	58		2.180					ND	
20 Acrolein	56	2.265	2.253	0.012	43	2701		1.76	
21 1,1,2-Trichloro-1,2,2-trif	101		2.302					ND	
22 1,1-Dichloroethene	96		2.320					ND	
23 Acetone	43		2.387					ND	
25 Iodomethane	142		2.472					ND	
26 Carbon disulfide	76		2.484					ND	
24 Isopropyl alcohol	45		2.527					ND	
28 3-Chloro-1-propene	41		2.582					ND	
27 Methyl acetate	43		2.624					ND	
29 Acetonitrile	40		2.661					ND	
30 Methylene Chloride	84		2.758					ND	
31 2-Methyl-2-propanol	59		2.843					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		2.880					ND	
34 trans-1,2-Dichloroethene	96		2.892					ND	
33 Acrylonitrile	53		2.953					ND	
35 Hexane	57		3.044					ND	
39 1,1-Dichloroethane	63		3.239					ND	
36 Isopropyl ether	45		3.245					ND	
37 Vinyl acetate	43		3.281					ND	
40 2-Chloro-1,3-butadiene	53		3.287					ND	
38 1,1-Dimethoxyethane	75		3.312					ND	
41 Tert-butyl ethyl ether	59		3.519					ND	
44 2,2-Dichloropropane	77		3.658					ND	
45 cis-1,2-Dichloroethene	96		3.683					ND	
43 2-Butanone (MEK)	43		3.725					ND	
42 Ethyl acetate	43		3.744					ND	
139 Halothane	117		3.760					ND	
46 Propionitrile	54		3.817					ND	
48 Chlorobromomethane	128		3.877					ND	
49 Tetrahydrofuran	42		3.896					ND	
47 Methacrylonitrile	41		3.902					ND	
50 Chloroform	83		3.932					ND	
51 1,1,1-Trichloroethane	97		4.029					ND	
52 Cyclohexane	56		4.036					ND	
55 Carbon tetrachloride	117		4.139					ND	
54 1,1-Dichloropropene	75		4.151					ND	
152 Isooctane	57		4.309					ND	
57 Benzene	78		4.315					ND	
53 Isobutyl alcohol	43		4.315					ND	
147 t-Amyl alcohol	59		4.364					ND	
58 1,2-Dichloroethane	62		4.370					ND	
56 Tert-amyl methyl ether	73		4.370					ND	
59 n-Heptane	43		4.443					ND	
1 1,4-Difluorobenzene	114		4.614					ND	
62 Trichloroethene	95		4.790					ND	
60 n-Butanol	56		4.808					ND	
64 Methylcyclohexane	83		4.881					ND	
142 Ethyl acrylate	55		4.887					ND	
65 1,2-Dichloropropane	63		4.985					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.994					ND	
63 Methyl methacrylate	41		5.058					ND	
67 Dibromomethane	93		5.088					ND	
66 1,4-Dioxane	88		5.100					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
68 Dichlorobromomethane	83		5.204					ND	
70 2-Nitropropane	43		5.411					ND	
69 2-Chloroethyl vinyl ether	63		5.416					ND	
71 Epichlorohydrin	57		5.496					ND	
72 cis-1,3-Dichloropropene	75		5.526					ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.642					ND	
74 Toluene	92		5.751					ND	
76 2-Methylthiophene	97		5.855					ND	
77 trans-1,3-Dichloropropene	75		5.958					ND	
78 3-Methylthiophene	97		5.982					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		5.988					ND	
79 1,1,2-Trichloroethane	83		6.104					ND	
81 Tetrachloroethene	166		6.147					ND	
82 1,3-Dichloropropane	76		6.232					ND	
80 2-Hexanone	43		6.280					ND	
83 Chlorodibromomethane	129		6.408					ND	
84 Ethylene Dibromide	107		6.493					ND	
146 1-Chlorohexane	55		6.798					ND	
85 3-Chlorobenzotrifluoride	180		6.810					ND	
87 Chlorobenzene	112		6.846					ND	
86 4-Chlorobenzotrifluoride	180		6.858					ND	
88 Ethylbenzene	91		6.913					ND	
89 1,1,1,2-Tetrachloroethane	131		6.919					ND	
90 m-Xylene & p-Xylene	106		7.004					ND	
91 o-Xylene	106		7.321					ND	
92 Styrene	104		7.345					ND	
95 Bromoform	173		7.534					ND	
93 2-Chlorobenzotrifluoride	180		7.546					ND	
94 Isopropylbenzene	105		7.607					ND	
96 Cyclohexanone	55		7.753					ND	
101 Bromobenzene	156		7.880					ND	
97 1,1,2,2-Tetrachloroethane	83		7.917					ND	
99 N-Propylbenzene	91		7.941					ND	
100 1,2,3-Trichloropropane	110		7.947					ND	
98 trans-1,4-Dichloro-2-buten	53		7.953					ND	
103 2-Chlorotoluene	126		8.026					ND	
104 3-Chlorotoluene	126		8.075					ND	
102 1,3,5-Trimethylbenzene	105		8.081					ND	
105 4-Chlorotoluene	126		8.118					ND	
106 tert-Butylbenzene	134		8.343					ND	
107 1,2,4-Trimethylbenzene	105		8.385					ND	
108 Pentachloroethane	167		8.391					ND	
109 sec-Butylbenzene	105		8.519					ND	
111 1,3-Dichlorobenzene	146		8.641					ND	
110 4-Isopropyltoluene	119		8.641					ND	
114 Dicyclopentadiene	66		8.696					ND	
113 1,4-Dichlorobenzene	146		8.714					ND	
112 1,2,3-Trimethylbenzene	105		8.738					ND	
150 Benzyl chloride	126		8.848					ND	
115 n-Butylbenzene	91		8.975					ND	
116 1,2-Dichlorobenzene	146		9.024					ND	
117 1,2-Dibromo-3-Chloropropan	75		9.699					ND	
118 1,3,5-Trichlorobenzene	180		9.821					ND	
119 1,2,4-Trichlorobenzene	180		10.344					ND	
120 Hexachlorobutadiene	225		10.454					ND	
121 Naphthalene	128		10.563					ND	
122 1,2,3-Trichlorobenzene	180		10.752					ND	
149 2-Methylnaphthalene	142		11.433					ND	
137 Methyl acrylate	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
135 Hexachloroethane	117		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					0	
S 124 Xylenes, Total	1		30.000					0	
S 125 1,2-Dichloroethene, Total	1		30.000					0	
S 126 1,3-Dichloropropene, Total	1		30.000					0	
T 7 Ethylene oxide	44		1.528					0	
T 128 Hexachloroethane TIC	1		0.000					0	
T 133 Aziridine TIC	1		0.000					0	
T 9 bis(2-chloromethyl)ether T	1		0.000					0	
T 127 Ethanol TIC	45		0.000					0	
T 129 bis(chloromethyl)ether TIC	1		0.000					0	
T 130 Bromoethane TIC	1		0.000					0	
T 131 1-Bromopropane	1		0.000					0	
T 132 tert-amyl alcohol TIC	1		0.000					0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_Surr_00089

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_IS_00083

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40277.D

Injection Date: 23-Jul-2014 12:02:30

Instrument ID: HP5973S

Operator ID: CN

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

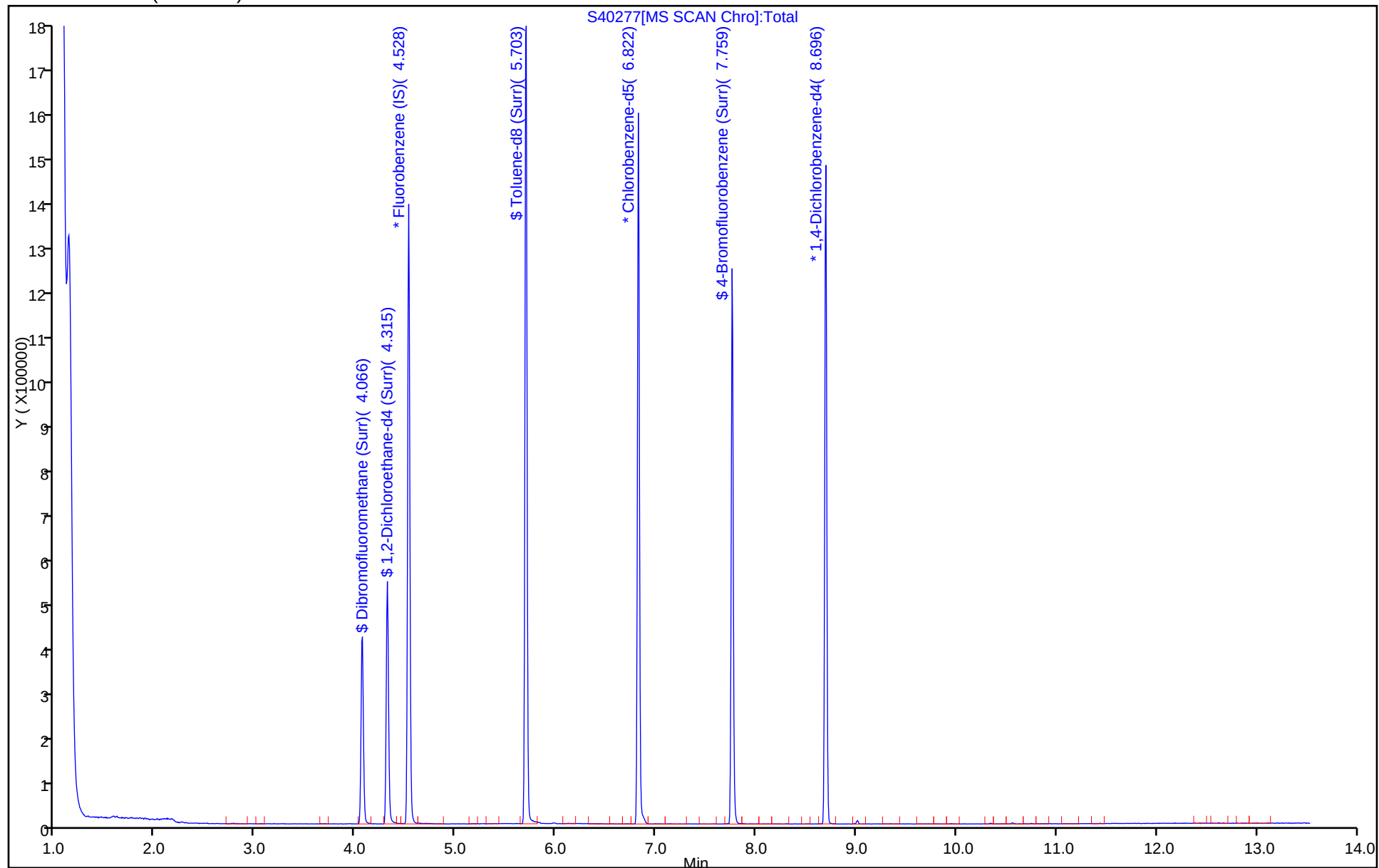
Dil. Factor: 1.0000

ALS Bottle#: 35

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-194540/7

Matrix: Water Lab File ID: S40306.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/24/2014 12:17

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.: 194540 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.: 480-63953-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-194540/7

Matrix: Water Lab File ID: S40306.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/24/2014 12:17

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.: 194540 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		66-137
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40306.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 24-Jul-2014 12:17:30 ALS Bottle#: 64 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0034054-007480-0034054-007
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 25-Jul-2014 10:01:29 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK002

First Level Reviewer: manc

Date: 25-Jul-2014 10:01:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	194128	25.0	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	375129	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.695	0.001	96	307254	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.066	4.060	0.006	59	196312	25.0	24.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	159132	25.0	25.1	
\$ 5 Toluene-d8 (Surr)	98	5.703	5.696	0.007	93	897048	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.001	86	266552	25.0	23.4	
10 Dichlorodifluoromethane	85		1.194					ND	
11 Chlorodifluoromethane	51		1.225					ND	
12 Chloromethane	50		1.322					ND	
13 Vinyl chloride	62		1.407					ND	
151 Butadiene	54		1.419					ND	
14 Bromomethane	94		1.645					ND	
15 Chloroethane	64		1.742					ND	
17 Trichlorofluoromethane	101		1.888					ND	
16 Dichlorofluoromethane	67		1.894					ND	
18 Ethyl ether	59		2.095					ND	
148 Ethanol	45	2.119	2.101	0.018	1	1668		10.8	
19 Propene oxide	58		2.180					ND	
20 Acrolein	56		2.259					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.289					ND	
22 1,1-Dichloroethene	96		2.320					ND	
23 Acetone	43		2.387					ND	
25 Iodomethane	142		2.472					ND	
26 Carbon disulfide	76		2.490					ND	
24 Isopropyl alcohol	45		2.527					ND	
28 3-Chloro-1-propene	41		2.587					ND	
27 Methyl acetate	43		2.624					ND	
29 Acetonitrile	40		2.661					ND	
30 Methylene Chloride	84		2.764					ND	
31 2-Methyl-2-propanol	59		2.849					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		2.879					ND	
34 trans-1,2-Dichloroethene	96		2.892					ND	
33 Acrylonitrile	53		2.952					ND	
35 Hexane	57		3.044					ND	
39 1,1-Dichloroethane	63		3.238					ND	
36 Isopropyl ether	45		3.245					ND	
37 Vinyl acetate	43		3.281					ND	
40 2-Chloro-1,3-butadiene	53		3.287					ND	
38 1,1-Dimethoxyethane	75		3.312					ND	
41 Tert-butyl ethyl ether	59		3.518					ND	
44 2,2-Dichloropropane	77		3.664					ND	
45 cis-1,2-Dichloroethene	96		3.689					ND	
43 2-Butanone (MEK)	43		3.725					ND	
42 Ethyl acetate	43		3.744					ND	
139 Halothane	117		3.760					ND	
46 Propionitrile	54		3.817					ND	
48 Chlorobromomethane	128		3.877					ND	
49 Tetrahydrofuran	42		3.895					ND	
47 Methacrylonitrile	41		3.902					ND	
50 Chloroform	83		3.932					ND	
51 1,1,1-Trichloroethane	97		4.029					ND	
52 Cyclohexane	56		4.029					ND	
55 Carbon tetrachloride	117		4.139					ND	
54 1,1-Dichloropropene	75		4.151					ND	
152 Isooctane	57		4.309					ND	
57 Benzene	78		4.315					ND	
53 Isobutyl alcohol	43		4.321					ND	
147 t-Amyl alcohol	59		4.364					ND	
58 1,2-Dichloroethane	62		4.370					ND	
56 Tert-amyl methyl ether	73		4.370					ND	
59 n-Heptane	43		4.443					ND	
1 1,4-Difluorobenzene	114		4.614					ND	
62 Trichloroethene	95		4.790					ND	
60 n-Butanol	56		4.808					ND	
64 Methylcyclohexane	83		4.881					ND	
142 Ethyl acrylate	55		4.887					ND	
65 1,2-Dichloropropane	63		4.984					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.994					ND	
63 Methyl methacrylate	41		5.058					ND	
67 Dibromomethane	93		5.088					ND	
66 1,4-Dioxane	88		5.094					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
68 Dichlorobromomethane	83		5.203					ND	
70 2-Nitropropane	43		5.410					ND	
69 2-Chloroethyl vinyl ether	63		5.416					ND	
71 Epichlorohydrin	57		5.496					ND	
72 cis-1,3-Dichloropropene	75		5.526					ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.641					ND	
74 Toluene	92		5.751					ND	
76 2-Methylthiophene	97		5.855					ND	
77 trans-1,3-Dichloropropene	75		5.958					ND	
78 3-Methylthiophene	97		5.982					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		5.988					ND	
79 1,1,2-Trichloroethane	83		6.104					ND	
81 Tetrachloroethene	166		6.146					ND	
82 1,3-Dichloropropane	76		6.232					ND	
80 2-Hexanone	43		6.280					ND	
83 Chlorodibromomethane	129		6.408					ND	
84 Ethylene Dibromide	107		6.493					ND	
146 1-Chlorohexane	55		6.798					ND	
85 3-Chlorobenzotrifluoride	180		6.810					ND	
87 Chlorobenzene	112		6.846					ND	
86 4-Chlorobenzotrifluoride	180		6.858					ND	
88 Ethylbenzene	91		6.913					ND	
89 1,1,1,2-Tetrachloroethane	131		6.919					ND	
90 m-Xylene & p-Xylene	106		6.998					ND	
91 o-Xylene	106		7.320					ND	
92 Styrene	104		7.345					ND	
95 Bromoform	173		7.533					ND	
93 2-Chlorobenzotrifluoride	180		7.546					ND	
94 Isopropylbenzene	105		7.606					ND	
96 Cyclohexanone	55		7.753					ND	
101 Bromobenzene	156		7.880					ND	
97 1,1,2,2-Tetrachloroethane	83		7.917					ND	
99 N-Propylbenzene	91		7.935					ND	
100 1,2,3-Trichloropropane	110		7.947					ND	
98 trans-1,4-Dichloro-2-buten	53		7.953					ND	
103 2-Chlorotoluene	126		8.026					ND	
104 3-Chlorotoluene	126		8.075					ND	
102 1,3,5-Trimethylbenzene	105		8.081					ND	
105 4-Chlorotoluene	126		8.117					ND	
106 tert-Butylbenzene	134		8.343					ND	
107 1,2,4-Trimethylbenzene	105		8.385					ND	
108 Pentachloroethane	167		8.391					ND	
109 sec-Butylbenzene	105		8.519					ND	
111 1,3-Dichlorobenzene	146		8.635					ND	
110 4-Isopropyltoluene	119		8.635					ND	
114 Dicyclopentadiene	66		8.696					ND	
113 1,4-Dichlorobenzene	146		8.714					ND	
112 1,2,3-Trimethylbenzene	105		8.738					ND	
150 Benzyl chloride	126		8.848					ND	
115 n-Butylbenzene	91		8.975					ND	
116 1,2-Dichlorobenzene	146		9.024					ND	
117 1,2-Dibromo-3-Chloropropan	75		9.699					ND	
118 1,3,5-Trichlorobenzene	180		9.821					ND	
119 1,2,4-Trichlorobenzene	180		10.344					ND	
120 Hexachlorobutadiene	225		10.454					ND	
121 Naphthalene	128		10.563					ND	
122 1,2,3-Trichlorobenzene	180		10.752					ND	
149 2-Methylnaphthalene	142		11.433					ND	
143 Propene oxide TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					0	
S 124 Xylenes, Total	1		30.000					0	
S 125 1,2-Dichloroethene, Total	1		30.000					0	
S 126 1,3-Dichloropropene, Total	1		30.000					0	
T 7 Ethylene oxide	44		1.528					0	
T 128 Hexachloroethane TIC	1		0.000					0	
T 133 Aziridine TIC	1		0.000					0	
T 9 bis(2-chloromethyl)ether T	1		0.000					0	
T 127 Ethanol TIC	45		0.000					0	
T 129 bis(chloromethyl)ether TIC	1		0.000					0	
T 130 Bromoethane TIC	1		0.000					0	
T 131 1-Bromopropane	1		0.000					0	
T 132 tert-amyl alcohol TIC	1		0.000					0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_Surr_00089

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_IS_00083

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40306.D

Injection Date: 24-Jul-2014 12:17:30

Instrument ID: HP5973S

Operator ID: CN

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

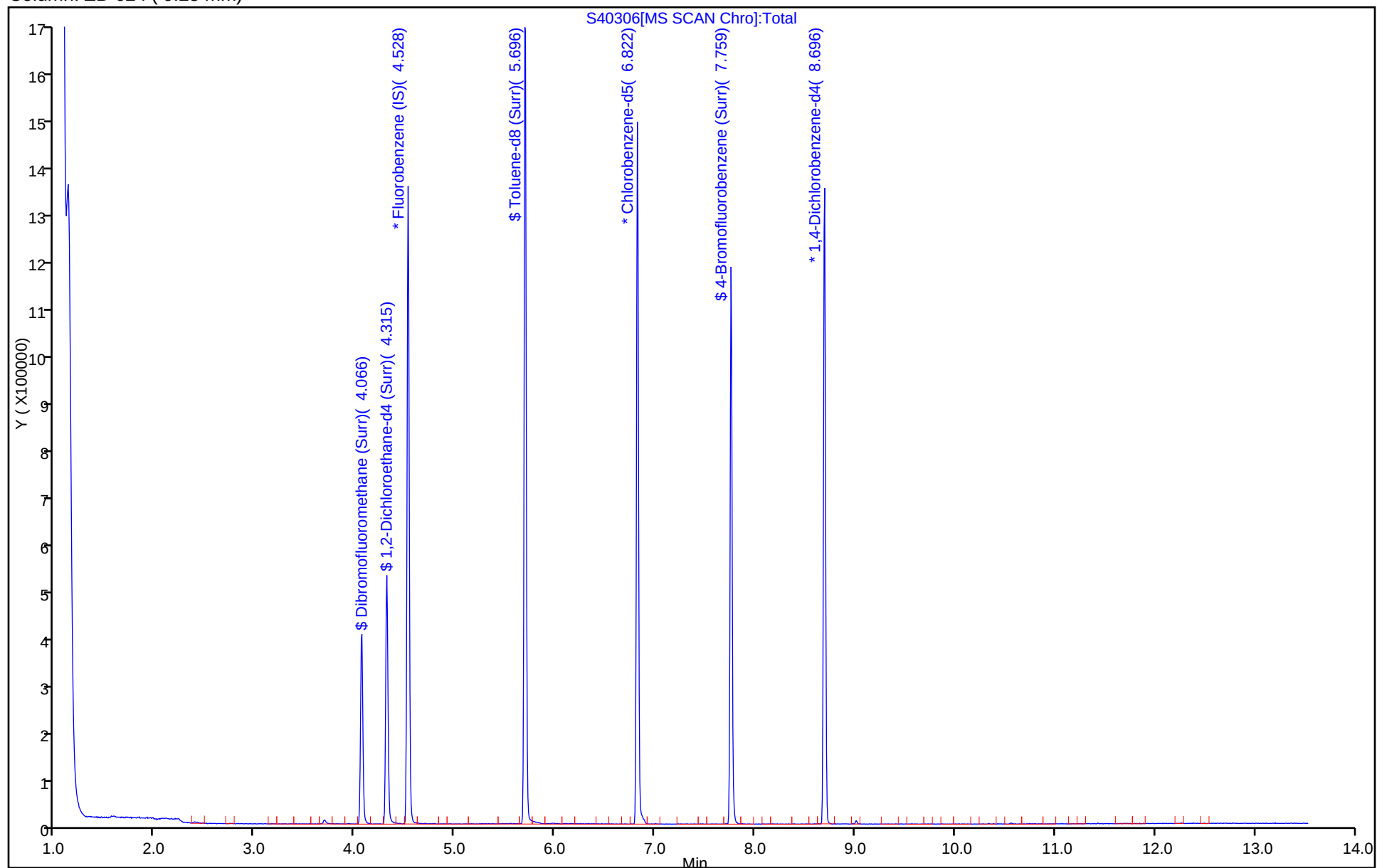
Dil. Factor: 1.0000

ALS Bottle#: 64

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-194301/5

Matrix: Water Lab File ID: S40275.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 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.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	28.0		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28.8		1.0	0.31
79-00-5	1,1,2-Trichloroethane	26.4		1.0	0.23
75-34-3	1,1-Dichloroethane	30.4		1.0	0.38
75-35-4	1,1-Dichloroethene	28.8		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	28.9		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	25.8		1.0	0.39
106-93-4	1,2-Dibromoethane	27.6		1.0	0.73
95-50-1	1,2-Dichlorobenzene	27.1		1.0	0.79
107-06-2	1,2-Dichloroethane	25.7		1.0	0.21
78-87-5	1,2-Dichloropropane	27.4		1.0	0.72
541-73-1	1,3-Dichlorobenzene	27.1		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.7		1.0	0.84
78-93-3	2-Butanone (MEK)	136		10	1.3
591-78-6	2-Hexanone	137		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	138		5.0	2.1
67-64-1	Acetone	132		10	3.0
71-43-2	Benzene	27.5		1.0	0.41
75-27-4	Bromodichloromethane	25.1		1.0	0.39
75-25-2	Bromoform	28.5		1.0	0.26
74-83-9	Bromomethane	22.9		1.0	0.69
75-15-0	Carbon disulfide	21.8		1.0	0.19
56-23-5	Carbon tetrachloride	26.4		1.0	0.27
108-90-7	Chlorobenzene	26.6		1.0	0.75
75-00-3	Chloroethane	27.0		1.0	0.32
67-66-3	Chloroform	27.8		1.0	0.34
74-87-3	Chloromethane	24.6		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	27.8		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.5		1.0	0.36
110-82-7	Cyclohexane	28.9		1.0	0.18
124-48-1	Dibromochloromethane	24.8		1.0	0.32
75-71-8	Dichlorodifluoromethane	22.3		1.0	0.68
100-41-4	Ethylbenzene	27.5		1.0	0.74
98-82-8	Isopropylbenzene	28.1		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-194301/5
 Matrix: Water Lab File ID: S40275.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 07/23/2014 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.: 194301 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	135		2.5	0.50
1634-04-4	Methyl tert-butyl ether	27.2		1.0	0.16
108-87-2	Methylcyclohexane	25.9		1.0	0.16
75-09-2	Methylene Chloride	25.3		1.0	0.44
100-42-5	Styrene	28.1		1.0	0.73
127-18-4	Tetrachloroethene	27.3		1.0	0.36
108-88-3	Toluene	27.1		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	28.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.2		1.0	0.37
79-01-6	Trichloroethene	28.0		1.0	0.46
75-69-4	Trichlorofluoromethane	25.8		1.0	0.88
75-01-4	Vinyl chloride	26.3		1.0	0.90
1330-20-7	Xylenes, Total	55.2		2.0	0.66

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40275.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 23-Jul-2014 11:17:30 ALS Bottle#: 33 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0034014-005480-0034014-005
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Jul-2014 11:41:19 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK026

First Level Reviewer: manc

Date: 23-Jul-2014 11:41:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	200512	25.0	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	407339	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.696	8.696	0.000	42	374460	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.060	4.060	0.000	66	222081	25.0	26.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	166145	25.0	25.4	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.696	0.000	56	974235	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	87	314595	25.0	25.5	
10 Dichlorodifluoromethane	85	1.188	1.188	0.000	88	279819	25.0	22.3	
12 Chloromethane	50	1.316	1.316	0.000	89	316640	25.0	24.6	
13 Vinyl chloride	62	1.407	1.407	0.000	83	338767	25.0	26.3	
151 Butadiene	54	1.426	1.426	0.000	65	310344	25.0	27.7	
14 Bromomethane	94	1.645	1.645	0.000	90	121398	25.0	22.9	
15 Chloroethane	64	1.736	1.736	0.000	94	207492	25.0	27.0	
16 Dichlorofluoromethane	67	1.894	1.894	0.000	82	463872	25.0	27.6	
17 Trichlorofluoromethane	101	1.894	1.894	0.000	55	395081	25.0	25.8	
18 Ethyl ether	59	2.095	2.095	0.000	89	274049	25.0	26.9	
20 Acrolein	56	2.253	2.253	0.000	98	228466	125.0	151.0	
21 1,1,2-Trichloro-1,2,2-trif	101	2.302	2.302	0.000	55	296887	25.0	28.8	
22 1,1-Dichloroethene	96	2.320	2.320	0.000	87	311906	25.0	28.8	
23 Acetone	43	2.387	2.387	0.000	99	684125	125.0	132.5	
25 Iodomethane	142	2.472	2.472	0.000	73	428792	25.0	29.4	
26 Carbon disulfide	76	2.484	2.484	0.000	98	770441	25.0	21.8	
28 3-Chloro-1-propene	41	2.582	2.582	0.000	61	353330	25.0	34.7	
27 Methyl acetate	43	2.624	2.624	0.000	96	1648294	125.0	134.6	
30 Methylene Chloride	84	2.758	2.758	0.000	83	332027	25.0	25.3	
31 2-Methyl-2-propanol	59	2.843	2.843	0.000	94	468855	250.0	282.2	
32 Methyl tert-butyl ether	73	2.880	2.880	0.000	90	945037	25.0	27.2	
34 trans-1,2-Dichloroethene	96	2.892	2.892	0.000	51	291189	25.0	28.7	
33 Acrylonitrile	53	2.953	2.953	0.000	98	1536246	250.0	270.0	
35 Hexane	57	3.044	3.044	0.000	89	411873	25.0	28.3	
39 1,1-Dichloroethane	63	3.239	3.239	0.000	85	514458	25.0	30.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.281	3.281	0.000	97	1093441	50.0	51.3	
44 2,2-Dichloropropane	77	3.658	3.658	0.000	90	159007	25.0	26.1	
45 cis-1,2-Dichloroethene	96	3.683	3.683	0.000	70	304370	25.0	27.8	
43 2-Butanone (MEK)	43	3.725	3.725	0.000	99	1081113	125.0	135.9	
48 Chlorobromomethane	128	3.877	3.877	0.000	94	146725	25.0	27.5	
49 Tetrahydrofuran	42	3.896	3.896	0.000	86	279679	50.0	52.9	
50 Chloroform	83	3.932	3.932	0.000	70	490779	25.0	27.8	
51 1,1,1-Trichloroethane	97	4.029	4.029	0.000	87	287005	25.0	27.0	
52 Cyclohexane	56	4.036	4.036	0.000	90	531714	25.0	28.9	
55 Carbon tetrachloride	117	4.139	4.139	0.000	58	250300	25.0	26.4	
54 1,1-Dichloropropene	75	4.151	4.151	0.000	94	374964	25.0	28.8	
53 Isobutyl alcohol	43	4.315	4.315	0.000	57	505138	625.0	623.1	
57 Benzene	78	4.315	4.315	0.000	96	1206826	25.0	27.5	
58 1,2-Dichloroethane	62	4.370	4.370	0.000	74	430919	25.0	25.7	
59 n-Heptane	43	4.443	4.443	0.000	91	460055	25.0	27.9	
62 Trichloroethene	95	4.790	4.790	0.000	94	287256	25.0	28.0	
64 Methylcyclohexane	83	4.881	4.881	0.000	92	445125	25.0	25.9	
65 1,2-Dichloropropane	63	4.985	4.985	0.000	91	305911	25.0	27.4	
67 Dibromomethane	93	5.088	5.088	0.000	91	182712	25.0	27.5	
66 1,4-Dioxane	88	5.100	5.100	0.000	54	79391	500.0	466.4	
68 Dichlorobromomethane	83	5.204	5.204	0.000	93	327546	25.0	25.1	
69 2-Chloroethyl vinyl ether	63	5.416	5.416	0.000	92	232151	25.0	28.4	
72 cis-1,3-Dichloropropene	75	5.526	5.526	0.000	89	427009	25.0	25.5	
73 4-Methyl-2-pentanone (MIBK)	43	5.642	5.642	0.000	97	2155607	125.0	137.5	
74 Toluene	92	5.751	5.751	0.000	93	751552	25.0	27.1	
77 trans-1,3-Dichloropropene	75	5.958	5.958	0.000	92	357282	25.0	24.2	
75 Ethyl methacrylate	69	5.988	5.988	0.000	83	482369	25.0	29.1	
79 1,1,2-Trichloroethane	83	6.104	6.104	0.000	88	238795	25.0	26.4	
81 Tetrachloroethene	166	6.147	6.147	0.000	79	309809	25.0	27.3	
82 1,3-Dichloropropane	76	6.232	6.232	0.000	92	525133	25.0	26.3	
80 2-Hexanone	43	6.280	6.280	0.000	80	1609573	125.0	137.3	
83 Chlorodibromomethane	129	6.408	6.408	0.000	87	218902	25.0	24.8	
84 Ethylene Dibromide	107	6.493	6.493	0.000	99	289794	25.0	27.6	
87 Chlorobenzene	112	6.846	6.846	0.000	92	839297	25.0	26.6	
88 Ethylbenzene	91	6.913	6.913	0.000	83	1454593	25.0	27.5	
89 1,1,1,2-Tetrachloroethane	131	6.919	6.919	0.000	42	235629	25.0	24.9	
90 m-Xylene & p-Xylene	106	7.004	7.004	0.000	0	563240	25.0	27.6	
91 o-Xylene	106	7.321	7.321	0.000	98	549582	25.0	27.6	
92 Styrene	104	7.345	7.345	0.000	95	964900	25.0	28.1	
95 Bromoform	173	7.534	7.534	0.000	96	135658	25.0	28.5	
94 Isopropylbenzene	105	7.607	7.607	0.000	96	1454932	25.0	28.1	
101 Bromobenzene	156	7.880	7.880	0.000	95	371010	25.0	26.8	
97 1,1,2,2-Tetrachloroethane	83	7.917	7.917	0.000	80	424917	25.0	28.0	
99 N-Propylbenzene	91	7.941	7.941	0.000	80	1724763	25.0	28.3	
100 1,2,3-Trichloropropane	110	7.947	7.947	0.000	50	141596	25.0	26.8	
98 trans-1,4-Dichloro-2-buten	53	7.953	7.953	0.000	59	104736	25.0	27.4	
103 2-Chlorotoluene	126	8.026	8.026	0.000	94	334989	25.0	27.0	
102 1,3,5-Trimethylbenzene	105	8.081	8.081	0.000	67	1240336	25.0	28.1	
105 4-Chlorotoluene	126	8.118	8.118	0.000	97	349059	25.0	26.7	
106 tert-Butylbenzene	134	8.343	8.343	0.000	88	274324	25.0	28.2	
107 1,2,4-Trimethylbenzene	105	8.385	8.385	0.000	66	1283724	25.0	28.2	
109 sec-Butylbenzene	105	8.519	8.519	0.000	95	1548420	25.0	28.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	8.641	8.641	0.000	94	1324382	25.0	28.6	
111 1,3-Dichlorobenzene	146	8.641	8.641	0.000	71	706656	25.0	27.1	
113 1,4-Dichlorobenzene	146	8.714	8.714	0.000	94	716648	25.0	26.7	
115 n-Butylbenzene	91	8.975	8.975	0.000	98	1198739	25.0	28.8	
116 1,2-Dichlorobenzene	146	9.024	9.024	0.000	91	692282	25.0	27.1	
117 1,2-Dibromo-3-Chloropropan	75	9.699	9.699	0.000	74	65973	25.0	25.8	
119 1,2,4-Trichlorobenzene	180	10.344	10.344	0.000	92	464420	25.0	28.9	
120 Hexachlorobutadiene	225	10.454	10.454	0.000	94	225186	25.0	29.4	
121 Naphthalene	128	10.563	10.563	0.000	97	1294477	25.0	29.8	
122 1,2,3-Trichlorobenzene	180	10.752	10.752	0.000	93	432576	25.0	29.5	
S 125 1,2-Dichloroethene, Total	1				0			56.5	
S 126 1,3-Dichloropropene, Total	1				0			49.8	
S 123 Total BTEX	1				0			137.3	
S 124 Xylenes, Total	1				0			55.2	

Reagents:

8260 CORP mix_00015

Amount Added: 12.50

Units: uL

GAS CORP mix_00037

Amount Added: 12.50

Units: uL

S_8260_Surr_00089

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_IS_00083

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140723-34014.b\S40275.D

Injection Date: 23-Jul-2014 11:17:30

Instrument ID: HP5973S

Lims ID: LCS

Operator ID: CN

Client ID:

Worklist Smp#: 5

Purge Vol: 5.000 mL

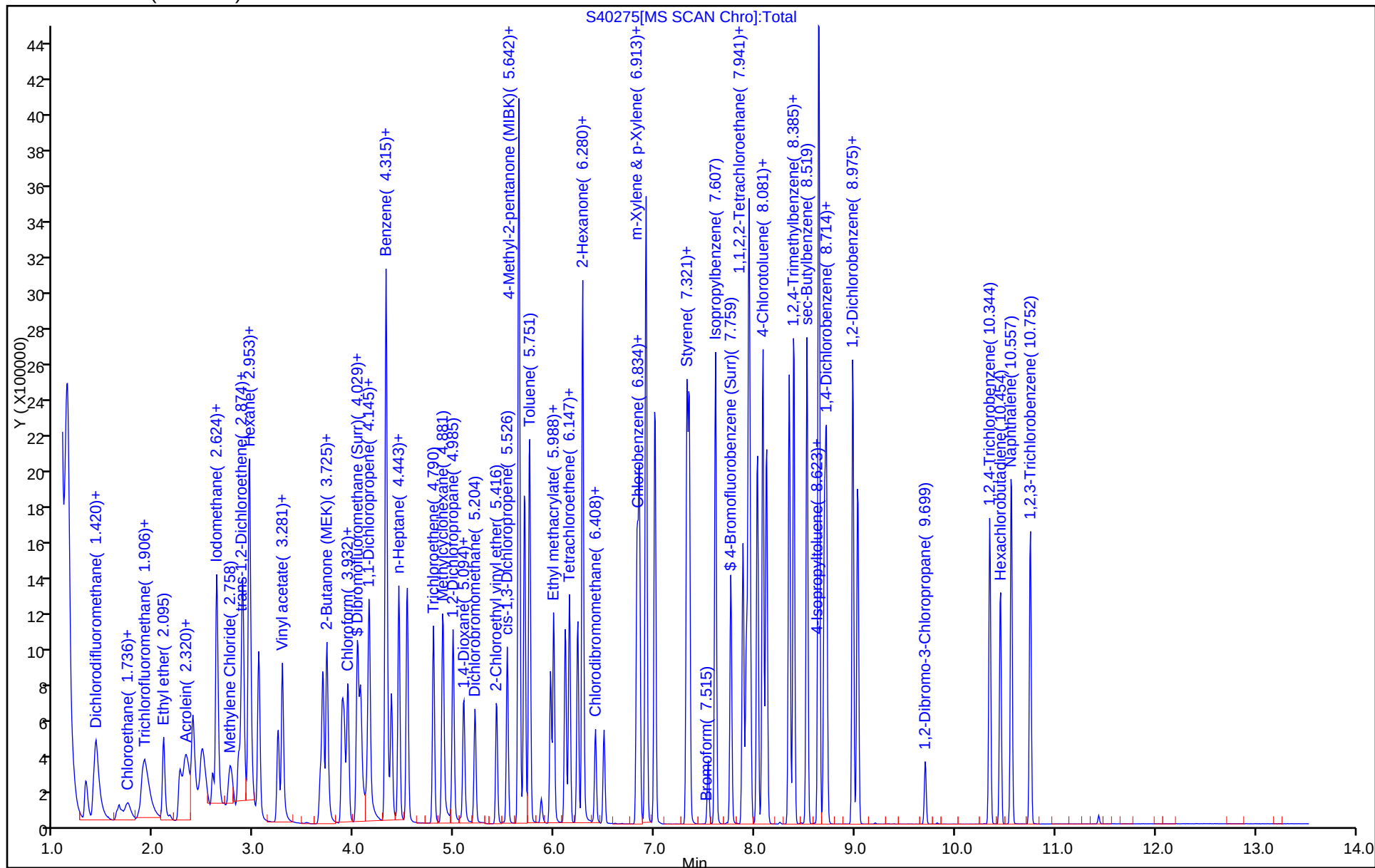
Dil. Factor: 1.0000

ALS Bottle#: 33

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-194540/5

Matrix: Water Lab File ID: S40304.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/24/2014 11:32

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.: 194540 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.8		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.3		1.0	0.31
79-00-5	1,1,2-Trichloroethane	26.1		1.0	0.23
75-34-3	1,1-Dichloroethane	29.7		1.0	0.38
75-35-4	1,1-Dichloroethene	29.3		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	28.3		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	24.8		1.0	0.39
106-93-4	1,2-Dibromoethane	26.7		1.0	0.73
95-50-1	1,2-Dichlorobenzene	26.4		1.0	0.79
107-06-2	1,2-Dichloroethane	25.5		1.0	0.21
78-87-5	1,2-Dichloropropane	27.3		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.7		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.1		1.0	0.84
78-93-3	2-Butanone (MEK)	133		10	1.3
591-78-6	2-Hexanone	137		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	137		5.0	2.1
67-64-1	Acetone	135		10	3.0
71-43-2	Benzene	27.4		1.0	0.41
75-27-4	Bromodichloromethane	24.7		1.0	0.39
75-25-2	Bromoform	27.4		1.0	0.26
74-83-9	Bromomethane	25.7		1.0	0.69
75-15-0	Carbon disulfide	20.7		1.0	0.19
56-23-5	Carbon tetrachloride	25.5		1.0	0.27
108-90-7	Chlorobenzene	26.4		1.0	0.75
75-00-3	Chloroethane	27.2		1.0	0.32
67-66-3	Chloroform	27.8		1.0	0.34
74-87-3	Chloromethane	30.0		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	27.3		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.7		1.0	0.36
110-82-7	Cyclohexane	28.7		1.0	0.18
124-48-1	Dibromochloromethane	23.9		1.0	0.32
75-71-8	Dichlorodifluoromethane	29.8		1.0	0.68
100-41-4	Ethylbenzene	27.6		1.0	0.74
98-82-8	Isopropylbenzene	28.2		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-194540/5
 Matrix: Water Lab File ID: S40304.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 07/24/2014 11:32
 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.: 194540 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	135		2.5	0.50
1634-04-4	Methyl tert-butyl ether	26.3		1.0	0.16
108-87-2	Methylcyclohexane	25.2		1.0	0.16
75-09-2	Methylene Chloride	25.4		1.0	0.44
100-42-5	Styrene	27.9		1.0	0.73
127-18-4	Tetrachloroethene	27.6		1.0	0.36
108-88-3	Toluene	27.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	28.5		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.4		1.0	0.37
79-01-6	Trichloroethene	27.9		1.0	0.46
75-69-4	Trichlorofluoromethane	26.5		1.0	0.88
75-01-4	Vinyl chloride	29.4		1.0	0.90
1330-20-7	Xylenes, Total	54.8		2.0	0.66

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40304.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 24-Jul-2014 11:32:30 ALS Bottle#: 62 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0034054-005480-0034054-005
 Operator ID: CN Instrument ID: HP5973S
 Method: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 25-Jul-2014 10:01:29 Calib Date: 12-Jul-2014 00:39:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5973S\20140711-33718.b\S40126.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK002

First Level Reviewer: manc

Date: 25-Jul-2014 10:01:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.528	4.528	0.000	98	196522	25.0	25.0	
* 2 Chlorobenzene-d5	82	6.822	6.822	0.000	86	398407	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.695	8.695	0.000	46	367851	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.060	4.060	0.000	57	209185	25.0	25.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	4.315	4.315	0.000	0	159047	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	5.696	5.696	0.000	57	923914	25.0	24.3	
\$ 6 4-Bromofluorobenzene (Surr	174	7.759	7.759	0.000	87	296085	25.0	24.5	
10 Dichlorodifluoromethane	85	1.194	1.194	0.000	88	369911	25.0	29.8	
12 Chloromethane	50	1.322	1.322	0.000	88	378541	25.0	30.0	
13 Vinyl chloride	62	1.407	1.407	0.000	82	370553	25.0	29.4	
151 Butadiene	54	1.419	1.419	0.000	61	322396	25.0	29.4	
14 Bromomethane	94	1.645	1.645	0.000	92	133436	25.0	25.7	
15 Chloroethane	64	1.742	1.742	0.000	93	205505	25.0	27.2	
17 Trichlorofluoromethane	101	1.888	1.888	0.000	56	398055	25.0	26.5	
16 Dichlorofluoromethane	67	1.894	1.894	0.000	81	468295	25.0	28.4	
18 Ethyl ether	59	2.095	2.095	0.000	90	261904	25.0	26.2	
20 Acrolein	56	2.259	2.259	0.000	97	222330	125.0	149.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.289	2.289	0.000	59	264709	25.0	26.3	
22 1,1-Dichloroethene	96	2.320	2.320	0.000	87	310780	25.0	29.3	
23 Acetone	43	2.387	2.387	0.000	99	682966	125.0	134.9	
25 Iodomethane	142	2.472	2.472	0.000	66	387253	25.0	27.1	
26 Carbon disulfide	76	2.490	2.490	0.000	97	714102	25.0	20.7	
28 3-Chloro-1-propene	41	2.587	2.587	0.000	45	321309	25.0	32.2	
27 Methyl acetate	43	2.624	2.624	0.000	96	1614565	125.0	134.5	
30 Methylene Chloride	84	2.764	2.764	0.000	83	326229	25.0	25.4	
31 2-Methyl-2-propanol	59	2.849	2.849	0.000	94	458102	250.0	281.4	
32 Methyl tert-butyl ether	73	2.879	2.879	0.000	91	895394	25.0	26.3	
34 trans-1,2-Dichloroethene	96	2.892	2.892	0.000	48	283666	25.0	28.5	
33 Acrylonitrile	53	2.952	2.952	0.000	98	1475476	250.0	264.6	
35 Hexane	57	3.044	3.044	0.000	89	411557	25.0	28.8	
39 1,1-Dichloroethane	63	3.238	3.238	0.000	85	493722	25.0	29.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.281	3.281	0.000	97	1066448	50.0	51.0	
44 2,2-Dichloropropane	77	3.664	3.664	0.000	87	153012	25.0	25.7	
45 cis-1,2-Dichloroethene	96	3.689	3.689	0.000	70	292620	25.0	27.3	
43 2-Butanone (MEK)	43	3.725	3.725	0.000	98	1036516	125.0	133.0	
48 Chlorobromomethane	128	3.877	3.877	0.000	94	140872	25.0	26.9	
49 Tetrahydrofuran	42	3.895	3.895	0.000	88	271940	50.0	52.5	
50 Chloroform	83	3.932	3.932	0.000	69	479429	25.0	27.8	
51 1,1,1-Trichloroethane	97	4.029	4.029	0.000	84	266987	25.0	25.7	
52 Cyclohexane	56	4.029	4.029	0.000	92	517913	25.0	28.7	
55 Carbon tetrachloride	117	4.139	4.139	0.000	62	235002	25.0	25.5	
54 1,1-Dichloropropene	75	4.151	4.151	0.000	94	370895	25.0	29.0	
57 Benzene	78	4.315	4.315	0.000	96	1176462	25.0	27.4	
53 Isobutyl alcohol	43	4.321	4.321	0.000	61	509280	625.0	640.3	
58 1,2-Dichloroethane	62	4.370	4.370	0.000	74	419276	25.0	25.5	
59 n-Heptane	43	4.443	4.443	0.000	93	464327	25.0	28.7	
62 Trichloroethene	95	4.790	4.790	0.000	94	281034	25.0	27.9	
64 Methylcyclohexane	83	4.881	4.881	0.000	92	424029	25.0	25.2	
65 1,2-Dichloropropane	63	4.984	4.984	0.000	91	299287	25.0	27.3	
67 Dibromomethane	93	5.088	5.088	0.000	91	173126	25.0	26.6	
66 1,4-Dioxane	88	5.094	5.094	0.000	46	85793	500.0	515.3	
68 Dichlorobromomethane	83	5.203	5.203	0.000	93	315217	25.0	24.7	
69 2-Chloroethyl vinyl ether	63	5.416	5.416	0.000	91	220287	25.0	27.5	
72 cis-1,3-Dichloropropene	75	5.526	5.526	0.000	89	404541	25.0	24.7	
73 4-Methyl-2-pentanone (MIBK)	43	5.641	5.641	0.000	97	2101364	125.0	137.1	
74 Toluene	92	5.751	5.751	0.000	93	733247	25.0	27.0	
77 trans-1,3-Dichloropropene	75	5.958	5.958	0.000	93	337023	25.0	23.4	
75 Ethyl methacrylate	69	5.988	5.988	0.000	84	457691	25.0	28.2	
79 1,1,2-Trichloroethane	83	6.104	6.104	0.000	88	230754	25.0	26.1	
81 Tetrachloroethene	166	6.146	6.146	0.000	80	305644	25.0	27.6	
82 1,3-Dichloropropane	76	6.232	6.232	0.000	92	503159	25.0	25.8	
80 2-Hexanone	43	6.280	6.280	0.000	80	1567617	125.0	136.7	
83 Chlorodibromomethane	129	6.408	6.408	0.000	89	205362	25.0	23.9	
84 Ethylene Dibromide	107	6.493	6.493	0.000	99	274422	25.0	26.7	
87 Chlorobenzene	112	6.846	6.846	0.000	93	813755	25.0	26.4	
88 Ethylbenzene	91	6.913	6.913	0.000	85	1426262	25.0	27.6	
89 1,1,1,2-Tetrachloroethane	131	6.919	6.919	0.000	42	226144	25.0	24.5	
90 m-Xylene & p-Xylene	106	6.998	6.998	0.000	0	550993	25.0	27.6	
91 o-Xylene	106	7.320	7.320	0.000	98	527932	25.0	27.2	
92 Styrene	104	7.345	7.345	0.000	95	934707	25.0	27.9	
95 Bromoform	173	7.533	7.533	0.000	96	126470	25.0	27.4	
94 Isopropylbenzene	105	7.606	7.606	0.000	96	1432352	25.0	28.2	
101 Bromobenzene	156	7.880	7.880	0.000	95	354207	25.0	26.0	
97 1,1,2,2-Tetrachloroethane	83	7.917	7.917	0.000	80	399707	25.0	26.8	
99 N-Propylbenzene	91	7.935	7.935	0.000	79	1699528	25.0	28.3	
100 1,2,3-Trichloropropane	110	7.947	7.947	0.000	55	135959	25.0	26.2	
98 trans-1,4-Dichloro-2-buten	53	7.953	7.953	0.000	60	104973	25.0	27.9	
103 2-Chlorotoluene	126	8.026	8.026	0.000	94	326011	25.0	26.7	
102 1,3,5-Trimethylbenzene	105	8.081	8.081	0.000	67	1212607	25.0	28.0	
105 4-Chlorotoluene	126	8.117	8.117	0.000	97	337373	25.0	26.3	
106 tert-Butylbenzene	134	8.343	8.343	0.000	91	267124	25.0	28.0	
107 1,2,4-Trimethylbenzene	105	8.385	8.385	0.000	67	1253028	25.0	28.0	
109 sec-Butylbenzene	105	8.519	8.519	0.000	95	1523508	25.0	28.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	8.635	8.635	0.000	72	683498	25.0	26.7	
110 4-Isopropyltoluene	119	8.635	8.635	0.000	94	1298776	25.0	28.5	
113 1,4-Dichlorobenzene	146	8.714	8.714	0.000	94	689152	25.0	26.1	
115 n-Butylbenzene	91	8.975	8.975	0.000	95	1186596	25.0	29.0	
116 1,2-Dichlorobenzene	146	9.024	9.024	0.000	91	663379	25.0	26.4	
117 1,2-Dibromo-3-Chloropropan	75	9.699	9.699	0.000	73	61918	25.0	24.8	
119 1,2,4-Trichlorobenzene	180	10.344	10.344	0.000	92	446983	25.0	28.3	
120 Hexachlorobutadiene	225	10.454	10.454	0.000	93	220671	25.0	29.3	
121 Naphthalene	128	10.563	10.563	0.000	97	1217045	25.0	28.5	
122 1,2,3-Trichlorobenzene	180	10.752	10.752	0.000	93	413133	25.0	28.6	
S 123 Total BTEX	1				0			136.7	
S 124 Xylenes, Total	1				0			54.7	
S 125 1,2-Dichloroethene, Total	1				0			55.8	
S 126 1,3-Dichloropropene, Total	1				0			48.1	

Reagents:

8260 CORP mix_00015	Amount Added: 12.50	Units: uL	
GAS CORP mix_00038	Amount Added: 12.50	Units: uL	
S_8260_Surr_00089	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_IS_00083	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140724-34054.b\S40304.D

Injection Date: 24-Jul-2014 11:32:30

Instrument ID: HP5973S

Lims ID: LCS

Operator ID: CN

Client ID:

Worklist Smp#: 5

Purge Vol: 5.000 mL

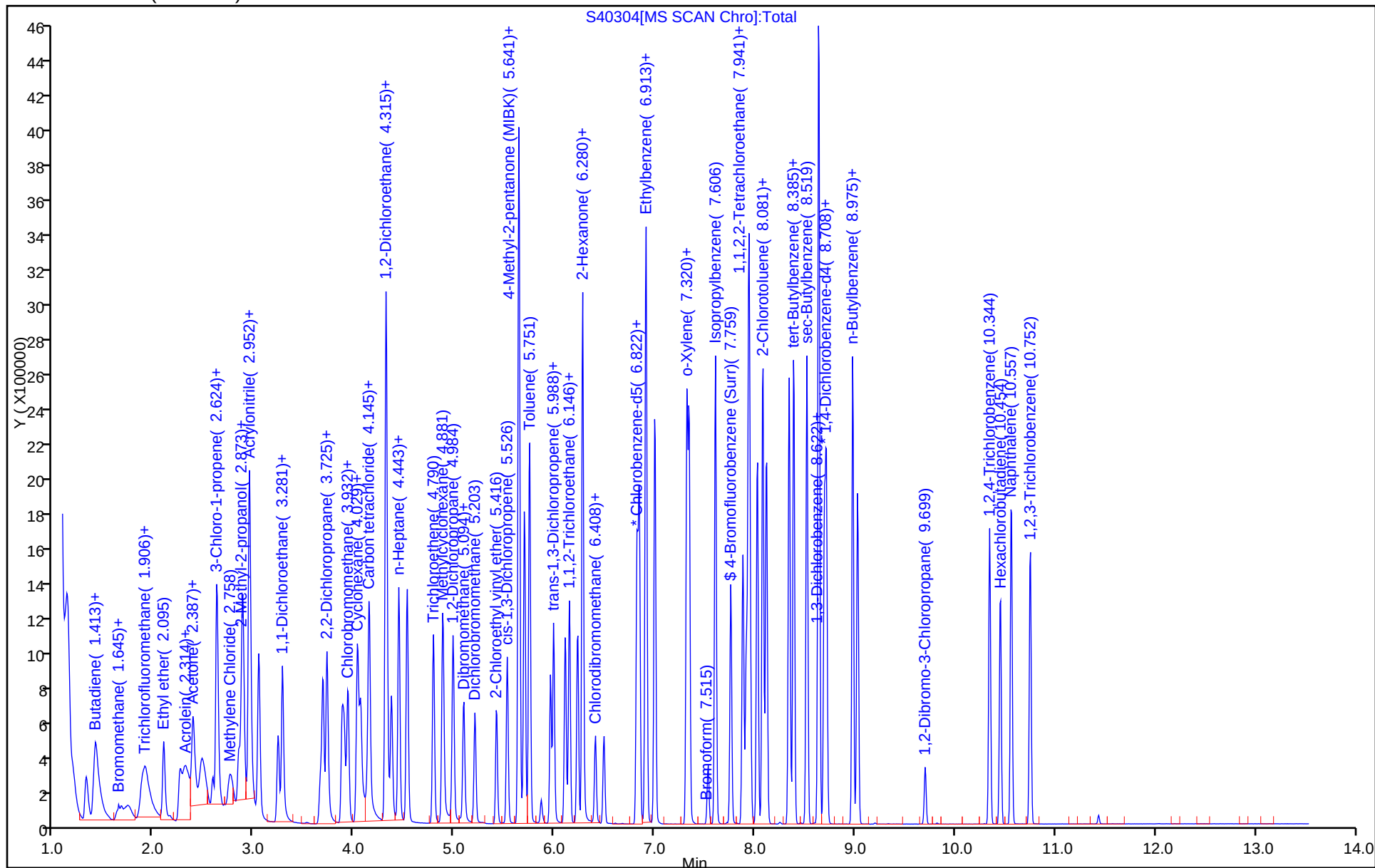
Dil. Factor: 1.0000

ALS Bottle#: 62

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Instrument ID: HP5973S Start Date: 07/11/2014 17:54Analysis Batch Number: 192443 End Date: 07/12/2014 02:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-192443/2		07/11/2014 17:54	1	S40108.D	ZB-624 (60) 0.25 (mm)
IC 480-192443/4		07/11/2014 18:40	1	S40110.D	ZB-624 (60) 0.25 (mm)
IC 480-192443/5		07/11/2014 19:02	1	S40111.D	ZB-624 (60) 0.25 (mm)
IC 480-192443/6		07/11/2014 19:25	1	S40112.D	ZB-624 (60) 0.25 (mm)
IC 480-192443/7		07/11/2014 19:47	1	S40113.D	ZB-624 (60) 0.25 (mm)
ICIS 480-192443/8		07/11/2014 20:10	1	S40114.D	ZB-624 (60) 0.25 (mm)
IC 480-192443/9		07/11/2014 20:32	1	S40115.D	ZB-624 (60) 0.25 (mm)
IC 480-192443/10		07/11/2014 20:55	1	S40116.D	ZB-624 (60) 0.25 (mm)
MDLV 480-192443/12		07/11/2014 21:40	1		ZB-624 (60) 0.25 (mm)
IC 480-192443/14		07/11/2014 22:25	1		ZB-624 (60) 0.25 (mm)
IC 480-192443/15		07/11/2014 22:47	1		ZB-624 (60) 0.25 (mm)
IC 480-192443/16		07/11/2014 23:10	1		ZB-624 (60) 0.25 (mm)
IC 480-192443/17		07/11/2014 23:32	1		ZB-624 (60) 0.25 (mm)
IC 480-192443/18		07/11/2014 23:55	1		ZB-624 (60) 0.25 (mm)
IC 480-192443/19		07/12/2014 00:17	1		ZB-624 (60) 0.25 (mm)
IC 480-192443/20		07/12/2014 00:39	1		ZB-624 (60) 0.25 (mm)
MDLV 480-192443/22		07/12/2014 01:24	1		ZB-624 (60) 0.25 (mm)
ICV 480-192443/23		07/12/2014 01:46	1		ZB-624 (60) 0.25 (mm)
ICV 480-192443/24		07/12/2014 02:08	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Instrument ID: HP5973S Start Date: 07/23/2014 09:49Analysis Batch Number: 194301 End Date: 07/23/2014 20:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-194301/2		07/23/2014 09:49	1	S40272.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-194301/3		07/23/2014 10:12	1	S40273.D	ZB-624 (60) 0.25 (mm)
CCV 480-194301/4		07/23/2014 10:44	1		ZB-624 (60) 0.25 (mm)
LCS 480-194301/5		07/23/2014 11:17	1	S40275.D	ZB-624 (60) 0.25 (mm)
MB 480-194301/8		07/23/2014 12:02	1	S40277.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		07/23/2014 12:38	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/23/2014 13:00	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/23/2014 13:23	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/23/2014 13:45	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/23/2014 14:08	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/23/2014 14:30	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/23/2014 14:53	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/23/2014 15:15	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/23/2014 15:38	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/23/2014 16:00	1		ZB-624 (60) 0.25 (mm)
480-63953-1	MW-2	07/23/2014 16:23	1	S40288.D	ZB-624 (60) 0.25 (mm)
480-63953-2	MW-3	07/23/2014 16:45	1	S40289.D	ZB-624 (60) 0.25 (mm)
480-63953-3	MW-6	07/23/2014 17:08	1	S40290.D	ZB-624 (60) 0.25 (mm)
480-63953-4	MW-8R	07/23/2014 17:30	1000	S40291.D	ZB-624 (60) 0.25 (mm)
480-63953-5	MW-10	07/23/2014 17:53	1	S40292.D	ZB-624 (60) 0.25 (mm)
480-63953-6	MW-11	07/23/2014 18:16	1	S40293.D	ZB-624 (60) 0.25 (mm)
480-63953-7	MW-12	07/23/2014 18:38	1	S40294.D	ZB-624 (60) 0.25 (mm)
480-63953-8	MW-13S	07/23/2014 19:01	500	S40295.D	ZB-624 (60) 0.25 (mm)
480-63953-9	Duplicate	07/23/2014 19:23	500	S40296.D	ZB-624 (60) 0.25 (mm)
480-63953-10	Rinse Blank	07/23/2014 19:46	1	S40297.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		07/23/2014 20:08	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/23/2014 20:31	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-63953-1

SDG No.: _____

Instrument ID: HP5973S Start Date: 07/24/2014 09:51Analysis Batch Number: 194540 End Date: 07/24/2014 18:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-194540/2		07/24/2014 09:51	1	S40301.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-194540/3		07/24/2014 10:24	1	S40302.D	ZB-624 (60) 0.25 (mm)
CCV 480-194540/4		07/24/2014 10:56	1		ZB-624 (60) 0.25 (mm)
LCS 480-194540/5		07/24/2014 11:32	1	S40304.D	ZB-624 (60) 0.25 (mm)
MB 480-194540/7		07/24/2014 12:17	1	S40306.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		07/24/2014 12:52	40		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/24/2014 13:59	1		ZB-624 (60) 0.25 (mm)
480-63953-4 DL	MW-8R DL	07/24/2014 14:22	2000	S40311.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		07/24/2014 15:07	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/24/2014 15:29	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/24/2014 16:14	400		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/24/2014 16:37	1000		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/24/2014 16:59	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/24/2014 17:22	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/24/2014 17:44	250		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/24/2014 18:07	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/24/2014 18:52	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA Worksheet

Batch Number: 480-194301

Method: 8260C

Analyst: Man, Chi x

Date Open: Jul 23 2014 9:49AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00033	3MTP_WRK_00036
BFB~480-194301/2		8260C			1 uL	1 uL	HP5973S		
CCVIS~480-194301/3		8260C			5 mL	5 mL	HP5973S		
CCV~480-194301/4		8260C			5 mL	5 mL	HP5973S	12.5 uL	12.5 uL
LCS~480-194301/5		8260C			5 mL	5 mL	HP5973S		
MB~480-194301/8		8260C			5 mL	5 mL	HP5973S		
480-63867-N-1	P1/3LLPWD	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63867-N-2	P2LLPWD	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63867-N-3	P2S1PWD	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63867-N-3~MS	P2S1PWD	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63867-N-3~MS D	P2S1PWD	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63867-N-4	P2S2PWD	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63867-N-5	P2S3PWD	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63867-N-6	P3S1PWD	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63867-N-7	P3S2/3PWD	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63867-A-8	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63903-P-9	Nordling	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63903-A-10	Trip Blank	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63953-A-1	MW-2	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63953-A-2	MW-3	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63953-A-3	MW-6	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63953-A-4	MW-8R	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63953-A-5	MW-10	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63953-A-6	MW-11	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63953-A-7	MW-12	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63953-A-8	MW-13S	8260C	T	<2 SU	5 mL	5 mL	HP5973S		

GC/MS VOA Worksheet

Batch Number: 480-194301

Date Open: Jul 23 2014 9:49AM

Method: 8260C

Batch End:

Analyst: Man, Chi x

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00015	ADD CORP mix_00012	BFB_WRK_00035	GAS CORP mix_00037	S_8260_IS_00083	S_8260_Surr_00089
BFB~480-194301/2		8260C				1 uL			
CCVIS~480-194301/ 3		8260C		12.5 uL			12.5 uL	1 uL	1 uL
CCV~480-194301/4		8260C			12.5 uL			1 uL	1 uL
LCS~480-194301/5		8260C		12.5 uL			12.5 uL	1 uL	1 uL
MB~480-194301/8		8260C						1 uL	1 uL
480-63867-N-1	P1/3LLPWD	8260C	T					1 uL	1 uL
480-63867-N-2	P2LLPWD	8260C	T					1 uL	1 uL
480-63867-N-3	P2S1PWD	8260C	T					1 uL	1 uL
480-63867-N-3~MS	P2S1PWD	8260C	T	12.5 uL			12.5 uL	1 uL	1 uL
480-63867-N-3~MS D	P2S1PWD	8260C	T	12.5 uL			12.5 uL	1 uL	1 uL
480-63867-N-4	P2S2PWD	8260C	T					1 uL	1 uL
480-63867-N-5	P2S3PWD	8260C	T					1 uL	1 uL
480-63867-N-6	P3S1PWD	8260C	T					1 uL	1 uL
480-63867-N-7	P3S2/3PWD	8260C	T					1 uL	1 uL
480-63867-A-8	TRIP BLANK	8260C	T					1 uL	1 uL
480-63903-P-9	Nordling	8260C	T					1 uL	1 uL
480-63903-A-10	Trip Blank	8260C	T					1 uL	1 uL
480-63953-A-1	MW-2	8260C	T					1 uL	1 uL
480-63953-A-2	MW-3	8260C	T					1 uL	1 uL
480-63953-A-3	MW-6	8260C	T					1 uL	1 uL
480-63953-A-4	MW-8R	8260C	T					1 uL	1 uL
480-63953-A-5	MW-10	8260C	T					1 uL	1 uL
480-63953-A-6	MW-11	8260C	T					1 uL	1 uL
480-63953-A-7	MW-12	8260C	T					1 uL	1 uL
480-63953-A-8	MW-13S	8260C	T					1 uL	1 uL

GC/MS VOA Worksheet

Batch Number: 480-194301

Method: 8260C

Analyst: Man, Chi x

Date Open: Jul 23 2014 9:49AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00033	3MTP_WRK_00036
480-63953-A-9	Duplicate	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63953-A-10	Rinse Blank	8260C	T	<2 SU	5 mL	5 mL	HP5973S		

GC/MS VOA Worksheet

Batch Number: 480-194301

Method: 8260C

Analyst: Man, Chi x

Date Open: Jul 23 2014 9:49AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00015	ADD CORP mix_00012	BFB_WRK_00035	GAS CORP mix_00037	S_8260_IS_00083	S_8260_Surr_00089
480-63953-A-9	Duplicate	8260C	T					1 uL	1 uL
480-63953-A-10	Rinse Blank	8260C	T					1 uL	1 uL

GC/MS VOA Worksheet

Batch Number: 480-194540

Method: 8260C

Analyst: Man, Chi x

Date Open: Jul 24 2014 9:51AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00033	3MTP_WRK_00036
BFB~480-194540/2		8260C			1 uL	1 uL	HP5973S		
CCVIS~480-194540/3		8260C			5 mL	5 mL	HP5973S		
CCV~480-194540/4		8260C			5 mL	5 mL	HP5973S	12.5 uL	12.5 uL
LCS~480-194540/5		8260C			5 mL	5 mL	HP5973S		
MB~480-194540/7		8260C			5 mL	5 mL	HP5973S		
480-63864-N-1	LFG CONDENSATE	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-63864-A-4	TRIP BLANK 1	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63953-B-4	MW-8R	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63992-A-2	BIW-1D	8260C	T	5 SU	5 mL	5 mL	HP5973S		
480-63992-A-3	BIW-2S	8260C	T	5 SU	5 mL	5 mL	HP5973S		
480-63992-A-5	BIW-5S	8260C	T	5 SU	5 mL	5 mL	HP5973S		
480-63992-A-6	BIW-5D	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63992-A-7	BIW-6S	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63992-A-8	MHC-22	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63992-A-9	MHC-23	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-63992-A-10	MHC-26	8260C	T	5 SU	5 mL	5 mL	HP5973S		
480-63992-A-12	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973S		

GC/MS VOA Worksheet

Batch Number: 480-194540

Method: 8260C

Analyst: Man, Chi x

Date Open: Jul 24 2014 9:51AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00015	ADD CORP mix_00012	BFB_WRK_00035	GAS CORP mix_00038	S_8260_IS_00083	S_8260_Surr_00089
BFB~480-194540/2		8260C				1 uL			
CCVIS~480-194540/ 3		8260C		12.5 uL			12.5 uL	1 uL	1 uL
CCV~480-194540/4		8260C			12.5 uL			1 uL	1 uL
LCS~480-194540/5		8260C		12.5 uL			12.5 uL	1 uL	1 uL
MB~480-194540/7		8260C						1 uL	1 uL
480-63864-N-1	LFG CONDENSATE	8260C	T					1 uL	1 uL
480-63864-A-4	TRIP BLANK 1	8260C	T					1 uL	1 uL
480-63953-B-4	MW-8R	8260C	T					1 uL	1 uL
480-63992-A-2	BIW-1D	8260C	T					1 uL	1 uL
480-63992-A-3	BIW-2S	8260C	T					1 uL	1 uL
480-63992-A-5	BIW-5S	8260C	T					1 uL	1 uL
480-63992-A-6	BIW-5D	8260C	T					1 uL	1 uL
480-63992-A-7	BIW-6S	8260C	T					1 uL	1 uL
480-63992-A-8	MHC-22	8260C	T					1 uL	1 uL
480-63992-A-9	MHC-23	8260C	T					1 uL	1 uL
480-63992-A-10	MHC-26	8260C	T					1 uL	1 uL
480-63992-A-12	TRIP BLANK	8260C	T					1 uL	1 uL

Shipping and Receiving Documents



Client Information Client Contact: Mr. Dino Zack Phone: 716-836-4506 Lab PM: Fischer, Brian J E-Mail: brian.fischer@testamericainc.com		Sampler: Emily Laity Due Date Requested: 7/17/14 TAT Requested (days): 1		COC No: 480-51707-3450.1 Page: Page 1 of 1 Job #:	
Address: 100 Corporate Parkway Suite 341 City: Amherst State, Zip: NY, 14226 Phone:		PO #: Purchase Order not requir WO #:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Email: dino.zack@aecom.com Project Name: Scott Aviation site Site: New York		Project #: 48002539 SSOW#:		Special Instructions/Note:	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, T=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
MW-2	7-16-14	15:20	G	Water	X	X			
MW-3	7-17-14	8:55	G	Water					
MW-6	7-17-14	10:10	G	Water					
MW-8R	7-17-14	13:25	G	Water					
MW-10	7-17-14	11:00	G	Water					
MW-11	7-16-14	16:25	G	Water					
MW-12	7-17-14	11:40	G	Water					
MW-13S	7-17-14	12:30	G	Water					
Duplicate	7-17-14	8:30	G	Water					
Rinse	7-17-14	15:30	G	Water					

Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months	
Empty Kit Relinquished by: <i>Emily Laity</i> Date: 7/17/14 Time: 16:20					
Relinquished by: <i>Emily Laity</i> Date: 7/17/14 Time: 16:20					
Relinquished by: Date: Time:					
Relinquished by: Date: Time:					
Custody Seals Intact: ☐ Yes ☐ No					
Cooler Temperature(s) °C and Other Remarks: 7.1 18					

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-63953-1

Login Number: 63953

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

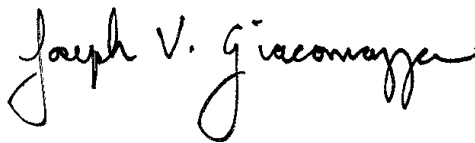
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature 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: 480-64051-1

Job Description: Scott Aviation site

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



Approved for release.
Joe V Giacomazza
Project Management Assistant II
7/24/2014 11:58 AM

Designee for
Brian J Fischer, Manager of Project Management
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
brian.fischer@testamericainc.com
07/24/2014

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

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Job Narrative
480-64051-1

Receipt

The samples were received on 7/18/2014 10:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 21.0° C.

Air Toxics

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

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Instrument ID: CHG.i Analysis Batch Number: 74492Lab Sample ID: IC 200-74492/4 Client Sample ID: _____Date Analyzed: 07/02/14 17:44 Lab File ID: 8394_004.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.77	Baseline Event	daiglep	07/03/14 11:48

Lab Sample ID: IC 200-74492/5 Client Sample ID: _____Date Analyzed: 07/02/14 18:35 Lab File ID: 8394_005.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.78	Baseline Event	daiglep	07/03/14 11:49

Lab Sample ID: IC 200-74492/10 Client Sample ID: _____Date Analyzed: 07/02/14 22:50 Lab File ID: 8394_010.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.75	Baseline Event	daiglep	07/03/14 11:56
Ethyl ether	5.81	Baseline Event	daiglep	07/03/14 11:56

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Instrument ID: CHG.i Analysis Batch Number: 75167Lab Sample ID: 480-64051-21 Client Sample ID: AS Effluent 3Q14Date Analyzed: 07/23/14 02:57 Lab File ID: 8660_021.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	5.08	Baseline Event	daiglep	07/23/14 12:02
Cyclohexane	10.77	Baseline Event	daiglep	07/23/14 12:02

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 480-64051-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-64051-21	AS Effluent 3Q14	Air	07/17/2014 0700	07/18/2014 1010
480-64051-22	LRP Effluent 3Q14	Air	07/17/2014 0700	07/18/2014 1010

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-64051-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-64051-21	AS EFFLUENT 3Q14					
1,1-Dichloroethane		0.97		0.20	ppb v/v	TO-15
1,1-Dichloroethane		3.9		0.81	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.95		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		4.7		0.98	ug/m3	TO-15
1,2-Dichloroethene, Total		17		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		67		0.79	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.21		0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		1.0		0.98	ug/m3	TO-15
2,2,4-Trimethylpentane		2.0		0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		9.1		0.93	ug/m3	TO-15
4-Ethyltoluene		0.30		0.20	ppb v/v	TO-15
4-Ethyltoluene		1.5		0.98	ug/m3	TO-15
Benzene		0.87		0.20	ppb v/v	TO-15
Benzene		2.8		0.64	ug/m3	TO-15
Chloroethane		10		0.50	ppb v/v	TO-15
Chloroethane		28		1.3	ug/m3	TO-15
Chloromethane		0.62		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
cis-1,2-Dichloroethene		17		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		68		0.79	ug/m3	TO-15
Cyclohexane		0.34		0.20	ppb v/v	TO-15
Cyclohexane		1.2		0.69	ug/m3	TO-15
Dichlorodifluoromethane		0.58		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.9		2.5	ug/m3	TO-15
Ethylbenzene		0.63		0.20	ppb v/v	TO-15
Ethylbenzene		2.7		0.87	ug/m3	TO-15
m,p-Xylene		2.4		0.50	ppb v/v	TO-15
m,p-Xylene		10		2.2	ug/m3	TO-15
Methyl Ethyl Ketone		0.79		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.3		1.5	ug/m3	TO-15
n-Heptane		0.49		0.20	ppb v/v	TO-15
n-Heptane		2.0		0.82	ug/m3	TO-15
n-Hexane		1.5		0.20	ppb v/v	TO-15
n-Hexane		5.3		0.70	ug/m3	TO-15
Toluene		3.8		0.20	ppb v/v	TO-15
Toluene		14		0.75	ug/m3	TO-15
Trichloroethene		6.6		0.20	ppb v/v	TO-15
Trichloroethene		36		1.1	ug/m3	TO-15
Trichlorofluoromethane		0.29		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.6		1.1	ug/m3	TO-15
Vinyl chloride		12		0.20	ppb v/v	TO-15
Vinyl chloride		31		0.51	ug/m3	TO-15
Xylene (total)		3.1		0.20	ppb v/v	TO-15
Xylene (total)		14		0.87	ug/m3	TO-15
Xylene, o-		0.72		0.20	ppb v/v	TO-15
Xylene, o-		3.1		0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-64051-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-64051-22	LRP EFFLUENT 3Q14					
1,1-Dichloroethane		66		37	ppb v/v	TO-15
1,1-Dichloroethane		270		150	ug/m3	TO-15
1,2-Dichloroethene, Total		2700		37	ppb v/v	TO-15
1,2-Dichloroethene, Total		11000		150	ug/m3	TO-15
cis-1,2-Dichloroethene		2700		37	ppb v/v	TO-15
cis-1,2-Dichloroethene		11000		150	ug/m3	TO-15
Trichloroethene		4800		37	ppb v/v	TO-15
Trichloroethene		26000		200	ug/m3	TO-15
Vinyl chloride		230		37	ppb v/v	TO-15
Vinyl chloride		590		95	ug/m3	TO-15

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 480-64051-1

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: 480-64051-1

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

Analytical Data

Client: AECOM, Inc.

Job Number: 480-64051-1

Client Sample ID: AS Effluent 3Q14

Lab Sample ID: 480-64051-21

Date Sampled: 07/17/2014 0700

Client Matrix: Air

Date Received: 07/18/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_021.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 0257			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0257			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
1,1,1-Trichloroethane	ND		0.20	0.20
1,1,2,2-Tetrachloroethane	ND		0.20	0.20
1,1,2-Trichloroethane	ND		0.20	0.20
1,1-Dichloroethane	0.97		0.20	0.20
1,1-Dichloroethene	ND		0.20	0.20
1,2,4-Trichlorobenzene	ND		0.50	0.50
1,2,4-Trimethylbenzene	0.95		0.20	0.20
1,2-Dibromoethane	ND		0.20	0.20
1,2-Dichlorobenzene	ND		0.20	0.20
1,2-Dichloroethane	ND		0.20	0.20
1,2-Dichloroethene, Total	17		0.20	0.20
1,2-Dichloropropane	ND		0.20	0.20
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20
1,3,5-Trimethylbenzene	0.21		0.20	0.20
1,3-Butadiene	ND		0.20	0.20
1,3-Dichlorobenzene	ND		0.20	0.20
1,4-Dichlorobenzene	ND		0.20	0.20
1,4-Dioxane	ND		5.0	5.0
2,2,4-Trimethylpentane	2.0		0.20	0.20
2-Chlorotoluene	ND		0.20	0.20
3-Chloropropene	ND		0.50	0.50
4-Ethyltoluene	0.30		0.20	0.20
Acetone	ND		5.0	5.0
Benzene	0.87		0.20	0.20
Bromodichloromethane	ND		0.20	0.20
Bromoethene(Vinyl Bromide)	ND		0.20	0.20
Bromoform	ND		0.20	0.20
Bromomethane	ND		0.20	0.20
Carbon disulfide	ND		0.50	0.50
Carbon tetrachloride	ND		0.20	0.20
Chlorobenzene	ND		0.20	0.20
Chloroethane	10		0.50	0.50
Chloroform	ND		0.20	0.20
Chloromethane	0.62		0.50	0.50
cis-1,2-Dichloroethene	17		0.20	0.20
cis-1,3-Dichloropropene	ND		0.20	0.20
Cyclohexane	0.34		0.20	0.20
Dibromochloromethane	ND		0.20	0.20
Dichlorodifluoromethane	0.58		0.50	0.50
Ethylbenzene	0.63		0.20	0.20
Freon TF	ND		0.20	0.20
Hexachlorobutadiene	ND		0.20	0.20
Isopropyl alcohol	ND		5.0	5.0
m,p-Xylene	2.4		0.50	0.50
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50
Methyl Ethyl Ketone	0.79		0.50	0.50

Analytical Data

Client: AECOM, Inc.

Job Number: 480-64051-1

Client Sample ID: AS Effluent 3Q14

Lab Sample ID: 480-64051-21

Date Sampled: 07/17/2014 0700

Client Matrix: Air

Date Received: 07/18/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_021.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 0257			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0257			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
methyl isobutyl ketone	ND		0.50	0.50
Methyl tert-butyl ether	ND		0.20	0.20
Methylene Chloride	ND		0.50	0.50
n-Heptane	0.49		0.20	0.20
n-Hexane	1.5		0.20	0.20
Styrene	ND		0.20	0.20
tert-Butyl alcohol	ND		5.0	5.0
Tetrachloroethene	ND		0.20	0.20
Tetrahydrofuran	ND		5.0	5.0
Toluene	3.8		0.20	0.20
trans-1,2-Dichloroethene	ND		0.20	0.20
trans-1,3-Dichloropropene	ND		0.20	0.20
Trichloroethene	6.6		0.20	0.20
Trichlorofluoromethane	0.29		0.20	0.20
Vinyl chloride	12		0.20	0.20
Xylene (total)	3.1		0.20	0.20
Xylene, o-	0.72		0.20	0.20

Analyte	Result (ug/m3)	Qualifier	RL	RL
1,1,1-Trichloroethane	ND		1.1	1.1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4
1,1,2-Trichloroethane	ND		1.1	1.1
1,1-Dichloroethane	3.9		0.81	0.81
1,1-Dichloroethene	ND		0.79	0.79
1,2,4-Trichlorobenzene	ND		3.7	3.7
1,2,4-Trimethylbenzene	4.7		0.98	0.98
1,2-Dibromoethane	ND		1.5	1.5
1,2-Dichlorobenzene	ND		1.2	1.2
1,2-Dichloroethane	ND		0.81	0.81
1,2-Dichloroethene, Total	67		0.79	0.79
1,2-Dichloropropane	ND		0.92	0.92
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4
1,3,5-Trimethylbenzene	1.0		0.98	0.98
1,3-Butadiene	ND		0.44	0.44
1,3-Dichlorobenzene	ND		1.2	1.2
1,4-Dichlorobenzene	ND		1.2	1.2
1,4-Dioxane	ND		18	18
2,2,4-Trimethylpentane	9.1		0.93	0.93
2-Chlorotoluene	ND		1.0	1.0
3-Chloropropene	ND		1.6	1.6
4-Ethyltoluene	1.5		0.98	0.98
Acetone	ND		12	12
Benzene	2.8		0.64	0.64
Bromodichloromethane	ND		1.3	1.3
Bromoethene(Vinyl Bromide)	ND		0.87	0.87
Bromoform	ND		2.1	2.1

Analytical Data

Client: AECOM, Inc.

Job Number: 480-64051-1

Client Sample ID: AS Effluent 3Q14

Lab Sample ID: 480-64051-21

Date Sampled: 07/17/2014 0700

Client Matrix: Air

Date Received: 07/18/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_021.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 0257			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0257			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Bromomethane	ND		0.78	0.78
Carbon disulfide	ND		1.6	1.6
Carbon tetrachloride	ND		1.3	1.3
Chlorobenzene	ND		0.92	0.92
Chloroethane	28		1.3	1.3
Chloroform	ND		0.98	0.98
Chloromethane	1.3		1.0	1.0
cis-1,2-Dichloroethene	68		0.79	0.79
cis-1,3-Dichloropropene	ND		0.91	0.91
Cyclohexane	1.2		0.69	0.69
Dibromochloromethane	ND		1.7	1.7
Dichlorodifluoromethane	2.9		2.5	2.5
Ethylbenzene	2.7		0.87	0.87
Freon TF	ND		1.5	1.5
Hexachlorobutadiene	ND		2.1	2.1
Isopropyl alcohol	ND		12	12
m,p-Xylene	10		2.2	2.2
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0
Methyl Ethyl Ketone	2.3		1.5	1.5
methyl isobutyl ketone	ND		2.0	2.0
Methyl tert-butyl ether	ND		0.72	0.72
Methylene Chloride	ND		1.7	1.7
n-Heptane	2.0		0.82	0.82
n-Hexane	5.3		0.70	0.70
Styrene	ND		0.85	0.85
tert-Butyl alcohol	ND		15	15
Tetrachloroethene	ND		1.4	1.4
Tetrahydrofuran	ND		15	15
Toluene	14		0.75	0.75
trans-1,2-Dichloroethene	ND		0.79	0.79
trans-1,3-Dichloropropene	ND		0.91	0.91
Trichloroethene	36		1.1	1.1
Trichlorofluoromethane	1.6		1.1	1.1
Vinyl chloride	31		0.51	0.51
Xylene (total)	14		0.87	0.87
Xylene, o-	3.1		0.87	0.87

Analytical Data

Client: AECOM, Inc.

Job Number: 480-64051-1

Client Sample ID: LRP Effluent 3Q14

Lab Sample ID: 480-64051-22

Date Sampled: 07/17/2014 0700

Client Matrix: Air

Date Received: 07/18/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_022.D
Dilution:	186			Initial Weight/Volume:	36 mL
Analysis Date:	07/23/2014 0348			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0348			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
1,1,1-Trichloroethane	ND		37	37
1,1,2,2-Tetrachloroethane	ND		37	37
1,1,2-Trichloroethane	ND		37	37
1,1-Dichloroethane	66		37	37
1,1-Dichloroethene	ND		37	37
1,2,4-Trichlorobenzene	ND		93	93
1,2,4-Trimethylbenzene	ND		37	37
1,2-Dibromoethane	ND		37	37
1,2-Dichlorobenzene	ND		37	37
1,2-Dichloroethane	ND		37	37
1,2-Dichloroethene, Total	2700		37	37
1,2-Dichloropropane	ND		37	37
1,2-Dichlorotetrafluoroethane	ND		37	37
1,3,5-Trimethylbenzene	ND		37	37
1,3-Butadiene	ND		37	37
1,3-Dichlorobenzene	ND		37	37
1,4-Dichlorobenzene	ND		37	37
1,4-Dioxane	ND		930	930
2,2,4-Trimethylpentane	ND		37	37
2-Chlorotoluene	ND		37	37
3-Chloropropene	ND		93	93
4-Ethyltoluene	ND		37	37
Acetone	ND		930	930
Benzene	ND		37	37
Bromodichloromethane	ND		37	37
Bromoethene(Vinyl Bromide)	ND		37	37
Bromoform	ND		37	37
Bromomethane	ND		37	37
Carbon disulfide	ND		93	93
Carbon tetrachloride	ND		37	37
Chlorobenzene	ND		37	37
Chloroethane	ND		93	93
Chloroform	ND		37	37
Chloromethane	ND		93	93
cis-1,2-Dichloroethene	2700		37	37
cis-1,3-Dichloropropene	ND		37	37
Cyclohexane	ND		37	37
Dibromochloromethane	ND		37	37
Dichlorodifluoromethane	ND		93	93
Ethylbenzene	ND		37	37
Freon TF	ND		37	37
Hexachlorobutadiene	ND		37	37
Isopropyl alcohol	ND		930	930
m,p-Xylene	ND		93	93
Methyl Butyl Ketone (2-Hexanone)	ND		93	93
Methyl Ethyl Ketone	ND		93	93

Analytical Data

Client: AECOM, Inc.

Job Number: 480-64051-1

Client Sample ID: LRP Effluent 3Q14

Lab Sample ID: 480-64051-22

Date Sampled: 07/17/2014 0700

Client Matrix: Air

Date Received: 07/18/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_022.D
Dilution:	186			Initial Weight/Volume:	36 mL
Analysis Date:	07/23/2014 0348			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0348			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
methyl isobutyl ketone	ND		93	93
Methyl tert-butyl ether	ND		37	37
Methylene Chloride	ND		93	93
n-Heptane	ND		37	37
n-Hexane	ND		37	37
Styrene	ND		37	37
tert-Butyl alcohol	ND		930	930
Tetrachloroethene	ND		37	37
Tetrahydrofuran	ND		930	930
Toluene	ND		37	37
trans-1,2-Dichloroethene	ND		37	37
trans-1,3-Dichloropropene	ND		37	37
Trichloroethene	4800		37	37
Trichlorofluoromethane	ND		37	37
Vinyl chloride	230		37	37
Xylene (total)	ND		37	37
Xylene, o-	ND		37	37

Analyte	Result (ug/m3)	Qualifier	RL	RL
1,1,1-Trichloroethane	ND		200	200
1,1,2,2-Tetrachloroethane	ND		260	260
1,1,2-Trichloroethane	ND		200	200
1,1-Dichloroethane	270		150	150
1,1-Dichloroethene	ND		150	150
1,2,4-Trichlorobenzene	ND		690	690
1,2,4-Trimethylbenzene	ND		180	180
1,2-Dibromoethane	ND		290	290
1,2-Dichlorobenzene	ND		220	220
1,2-Dichloroethane	ND		150	150
1,2-Dichloroethene, Total	11000		150	150
1,2-Dichloropropane	ND		170	170
1,2-Dichlorotetrafluoroethane	ND		260	260
1,3,5-Trimethylbenzene	ND		180	180
1,3-Butadiene	ND		82	82
1,3-Dichlorobenzene	ND		220	220
1,4-Dichlorobenzene	ND		220	220
1,4-Dioxane	ND		3400	3400
2,2,4-Trimethylpentane	ND		170	170
2-Chlorotoluene	ND		190	190
3-Chloropropene	ND		290	290
4-Ethyltoluene	ND		180	180
Acetone	ND		2200	2200
Benzene	ND		120	120
Bromodichloromethane	ND		250	250
Bromoethene(Vinyl Bromide)	ND		160	160
Bromoform	ND		380	380

Analytical Data

Client: AECOM, Inc.

Job Number: 480-64051-1

Client Sample ID: LRP Effluent 3Q14

Lab Sample ID: 480-64051-22

Date Sampled: 07/17/2014 0700

Client Matrix: Air

Date Received: 07/18/2014 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_022.D
Dilution:	186			Initial Weight/Volume:	36 mL
Analysis Date:	07/23/2014 0348			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0348			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Bromomethane	ND		140	140
Carbon disulfide	ND		290	290
Carbon tetrachloride	ND		230	230
Chlorobenzene	ND		170	170
Chloroethane	ND		250	250
Chloroform	ND		180	180
Chloromethane	ND		190	190
cis-1,2-Dichloroethene	11000		150	150
cis-1,3-Dichloropropene	ND		170	170
Cyclohexane	ND		130	130
Dibromochloromethane	ND		320	320
Dichlorodifluoromethane	ND		460	460
Ethylbenzene	ND		160	160
Freon TF	ND		290	290
Hexachlorobutadiene	ND		400	400
Isopropyl alcohol	ND		2300	2300
m,p-Xylene	ND		400	400
Methyl Butyl Ketone (2-Hexanone)	ND		380	380
Methyl Ethyl Ketone	ND		270	270
methyl isobutyl ketone	ND		380	380
Methyl tert-butyl ether	ND		130	130
Methylene Chloride	ND		320	320
n-Heptane	ND		150	150
n-Hexane	ND		130	130
Styrene	ND		160	160
tert-Butyl alcohol	ND		2800	2800
Tetrachloroethene	ND		250	250
Tetrahydrofuran	ND		2700	2700
Toluene	ND		140	140
trans-1,2-Dichloroethene	ND		150	150
trans-1,3-Dichloropropene	ND		170	170
Trichloroethene	26000		200	200
Trichlorofluoromethane	ND		210	210
Vinyl chloride	590		95	95
Xylene (total)	ND		160	160
Xylene, o-	ND		160	160

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-64051-1

Method Blank - Batch: 200-75167

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-75167/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 07/22/2014 1228
 Prep Date: 07/22/2014 1228
 Leach Date: N/A

Analysis Batch: 200-75167
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: CHG.i
 Lab File ID: 8660_004.D
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

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

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-64051-1

Method Blank - Batch: 200-75167

Lab Sample ID: MB 200-75167/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 07/22/2014 1228
Prep Date: 07/22/2014 1228
Leach Date: N/A

Analysis Batch: 200-75167
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Method: TO-15

Preparation: Summa Canister

Instrument ID: CHG.i
Lab File ID: 8660_004.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

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

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-64051-1

Method Blank - Batch: 200-75167

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-75167/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 07/22/2014 1228
 Prep Date: 07/22/2014 1228
 Leach Date: N/A

Analysis Batch: 200-75167
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: CHG.i
 Lab File ID: 8660_004.D
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

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

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-64051-1

Method Blank - Batch: 200-75167

Lab Sample ID: MB 200-75167/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 07/22/2014 1228
Prep Date: 07/22/2014 1228
Leach Date: N/A

Analysis Batch: 200-75167
Prep Batch: N/A
Leach Batch: N/A
Units: ug/m3

Method: TO-15

Preparation: Summa Canister

Instrument ID: CHG.i
Lab File ID: 8660_004.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

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

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-64051-1

Lab Control Sample - Batch: 200-75167

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: LCS 200-75167/3
Client Matrix: Air
Dilution: 1.0
Analysis Date: 07/22/2014 1137
Prep Date: 07/22/2014 1137
Leach Date: N/A

Analysis Batch: 200-75167
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: CHG.i
Lab File ID: 8660_003.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	10.0	10.8	108	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	11.8	118	70 - 130	
1,1,2-Trichloroethane	10.0	11.9	119	70 - 130	
1,1-Dichloroethane	10.0	10.4	104	70 - 130	
1,1-Dichloroethene	10.0	10.6	106	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.75	98	70 - 130	
1,2,4-Trimethylbenzene	10.0	11.6	116	70 - 130	
1,2-Dibromoethane	10.0	11.4	114	70 - 130	
1,2-Dichlorobenzene	10.0	10.6	106	70 - 130	
1,2-Dichloroethane	10.0	11.1	111	70 - 130	
1,2-Dichloropropane	10.0	10.4	104	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	12.6	126	70 - 130	
1,3,5-Trimethylbenzene	10.0	11.3	113	70 - 130	
1,3-Butadiene	10.0	9.99	100	70 - 130	
1,3-Dichlorobenzene	10.0	10.6	106	70 - 130	
1,4-Dichlorobenzene	10.0	10.3	103	70 - 130	
1,4-Dioxane	10.0	10.0	100	70 - 130	
2,2,4-Trimethylpentane	10.0	10.0	100	70 - 130	
2-Chlorotoluene	10.0	11.4	114	70 - 130	
3-Chloropropene	10.0	9.55	96	70 - 130	
4-Ethyltoluene	10.0	11.2	112	70 - 130	
Acetone	10.0	11.9	119	70 - 130	
Benzene	10.0	9.85	98	70 - 130	
Bromodichloromethane	10.0	11.3	113	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	10.7	107	70 - 130	
Bromoform	10.0	9.47	95	70 - 130	
Bromomethane	10.0	11.0	110	70 - 130	
Carbon disulfide	10.0	11.8	118	70 - 130	
Carbon tetrachloride	10.0	9.98	100	70 - 130	
Chlorobenzene	10.0	10.5	106	70 - 130	
Chloroethane	10.0	10.8	108	70 - 130	
Chloroform	10.0	10.9	109	70 - 130	
Chloromethane	10.0	10.6	106	70 - 130	
cis-1,2-Dichloroethene	10.0	9.89	99	70 - 130	
cis-1,3-Dichloropropene	10.0	11.7	117	70 - 130	
Cyclohexane	10.0	10.0	100	70 - 130	
Dibromochloromethane	10.0	10.3	103	70 - 130	
Dichlorodifluoromethane	10.0	11.2	112	70 - 130	
Ethylbenzene	10.0	11.5	115	70 - 130	
Freon TF	10.0	11.0	110	70 - 130	
Hexachlorobutadiene	10.0	9.39	94	70 - 130	
Isopropyl alcohol	10.0	9.02	90	70 - 130	
m,p-Xylene	20.0	21.4	107	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.1	111	70 - 130	
Methyl Ethyl Ketone	10.0	10.0	100	70 - 130	
methyl isobutyl ketone	10.0	11.1	111	70 - 130	

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-64051-1

Lab Control Sample - Batch: 200-75167

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: LCS 200-75167/3
Client Matrix: Air
Dilution: 1.0
Analysis Date: 07/22/2014 1137
Prep Date: 07/22/2014 1137
Leach Date: N/A

Analysis Batch: 200-75167
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: CHG.i
Lab File ID: 8660_003.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Methyl tert-butyl ether	10.0	10.8	108	70 - 130	
Methylene Chloride	10.0	11.0	110	70 - 130	
n-Heptane	10.0	10.2	102	70 - 130	
n-Hexane	10.0	11.0	110	70 - 130	
Styrene	10.0	11.2	112	70 - 130	
tert-Butyl alcohol	10.0	9.87	99	70 - 130	
Tetrachloroethene	10.0	8.99	90	70 - 130	
Tetrahydrofuran	10.0	10.6	106	70 - 130	
Toluene	10.0	11.2	112	70 - 130	
trans-1,2-Dichloroethene	10.0	11.8	118	70 - 130	
trans-1,3-Dichloropropene	10.0	12.1	121	70 - 130	
Trichloroethene	10.0	10.4	104	70 - 130	
Trichlorofluoromethane	10.0	11.2	112	70 - 130	
Vinyl chloride	10.0	9.96	100	70 - 130	
Xylene, o-	10.0	10.6	106	70 - 130	

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-64051-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-75167					
LCS 200-75167/3	Lab Control Sample	T	Air	TO-15	
MB 200-75167/4	Method Blank	T	Air	TO-15	
480-64051-21	AS Effluent 3Q14	T	Air	TO-15	
480-64051-22	LRP Effluent 3Q14	T	Air	TO-15	

Report Basis

T = Total

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-64051-1

Laboratory Chronicle

Lab ID: 480-64051-21

Client ID: AS Effluent 3Q14

Sample Date/Time: 07/17/2014 07:00

Received Date/Time: 07/18/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	480-64051-A-21		200-75167		07/23/2014 02:57	1	TAL BUR	PAD
A:TO-15	480-64051-A-21		200-75167		07/23/2014 02:57	1	TAL BUR	PAD

Lab ID: 480-64051-22

Client ID: LRP Effluent 3Q14

Sample Date/Time: 07/17/2014 07:00

Received Date/Time: 07/18/2014 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	480-64051-A-22		200-75167		07/23/2014 03:48	186	TAL BUR	PAD
A:TO-15	480-64051-A-22		200-75167		07/23/2014 03:48	186	TAL BUR	PAD

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-75167/4		200-75167		07/22/2014 12:28	1	TAL BUR	PAD
A:TO-15	MB 200-75167/4		200-75167		07/22/2014 12:28	1	TAL BUR	PAD

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-75167/3		200-75167		07/22/2014 11:37	1	TAL BUR	PAD
A:TO-15	LCS 200-75167/3		200-75167		07/22/2014 11:37	1	TAL BUR	PAD

Lab References:

TAL BUR = TestAmerica Burlington

Certification Summary

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

TestAmerica Job ID: 480-64051-1

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

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

TO15

Volatile Organic Compounds in
Ambient Air

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 8660_003.D
 Lab ID: LCS 200-75167/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	10.8	108	70-130	
1,1,2,2-Tetrachloroethane	10.0	11.8	118	70-130	
1,1,2-Trichloroethane	10.0	11.9	119	70-130	
1,1-Dichloroethane	10.0	10.4	104	70-130	
1,1-Dichloroethene	10.0	10.6	106	70-130	
1,2,4-Trichlorobenzene	10.0	9.75	98	70-130	
1,2,4-Trimethylbenzene	10.0	11.6	116	70-130	
1,2-Dibromoethane	10.0	11.4	114	70-130	
1,2-Dichlorobenzene	10.0	10.6	106	70-130	
1,2-Dichloroethane	10.0	11.1	111	70-130	
1,2-Dichloropropane	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.6	126	70-130	
1,3,5-Trimethylbenzene	10.0	11.3	113	70-130	
1,3-Butadiene	10.0	9.99	100	70-130	
1,3-Dichlorobenzene	10.0	10.6	106	70-130	
1,4-Dichlorobenzene	10.0	10.3	103	70-130	
1,4-Dioxane	10.0	10.0	100	70-130	
2,2,4-Trimethylpentane	10.0	10.0	100	70-130	
2-Chlorotoluene	10.0	11.4	114	70-130	
3-Chloropropene	10.0	9.55	96	70-130	
4-Ethyltoluene	10.0	11.2	112	70-130	
Acetone	10.0	11.9	119	70-130	
Benzene	10.0	9.85	98	70-130	
Bromodichloromethane	10.0	11.3	113	70-130	
Bromoethene (Vinyl Bromide)	10.0	10.7	107	70-130	
Bromoform	10.0	9.47	95	70-130	
Bromomethane	10.0	11.0	110	70-130	
Carbon disulfide	10.0	11.8	118	70-130	
Carbon tetrachloride	10.0	9.98	100	70-130	
Chlorobenzene	10.0	10.5	106	70-130	
Chloroethane	10.0	10.8	108	70-130	
Chloroform	10.0	10.9	109	70-130	
Chloromethane	10.0	10.6	106	70-130	
cis-1,2-Dichloroethene	10.0	9.89	99	70-130	
cis-1,3-Dichloropropene	10.0	11.7	117	70-130	
Cyclohexane	10.0	10.0	100	70-130	
Dibromochloromethane	10.0	10.3	103	70-130	
Dichlorodifluoromethane	10.0	11.2	112	70-130	
Ethylbenzene	10.0	11.5	115	70-130	
Freon TF	10.0	11.0	110	70-130	
Hexachlorobutadiene	10.0	9.39	94	70-130	
Isopropyl alcohol	10.0	9.02	90	70-130	

Column to be used to flag recovery and RPD values

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 8660_003.D
 Lab ID: LCS 200-75167/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
m,p-Xylene	20.0	21.4	107	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.1	111	70-130	
Methyl Ethyl Ketone	10.0	10.0	100	70-130	
methyl isobutyl ketone	10.0	11.1	111	70-130	
Methyl tert-butyl ether	10.0	10.8	108	70-130	
Methylene Chloride	10.0	11.0	110	70-130	
n-Heptane	10.0	10.2	102	70-130	
n-Hexane	10.0	11.0	110	70-130	
Styrene	10.0	11.2	112	70-130	
tert-Butyl alcohol	10.0	9.87	99	70-130	
Tetrachloroethene	10.0	8.99	90	70-130	
Tetrahydrofuran	10.0	10.6	106	70-130	
Toluene	10.0	11.2	112	70-130	
trans-1,2-Dichloroethene	10.0	11.8	118	70-130	
trans-1,3-Dichloropropene	10.0	12.1	121	70-130	
Trichloroethene	10.0	10.4	104	70-130	
Trichlorofluoromethane	10.0	11.2	112	70-130	
Vinyl chloride	10.0	9.96	100	70-130	
Xylene, o-	10.0	10.6	106	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.: 480-64051-1
SDG No.: _____
Lab File ID: 8660_004.D Lab Sample ID: MB 200-75167/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHG.i Date Analyzed: 07/22/2014 12:28
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 200-75167/3	8660_003.D	07/22/2014 11:37
AS Effluent 3Q14	480-64051-21	8660_021.D	07/23/2014 02:57
LRP Effluent 3Q14	480-64051-22	8660_022.D	07/23/2014 03:48

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-64051-1
 SDG No.: _____
 Lab File ID: 8394_001.D BFB Injection Date: 07/02/2014
 Instrument ID: CHG.i BFB Injection Time: 15:15
 Analysis Batch No.: 74492

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	11.2
75	30.0 - 66.0% of mass 95	38.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.4) 1
174	50.0 - 120.0% of mass 95	113.8
175	4.0 - 9.0 % of mass 174	8.0 (7.0) 1
176	93.0 - 101.0% of mass 174	112.4 (98.8) 1
177	5.0 - 9.0% of mass 176	7.5 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-74492/3	8394_003.D	07/02/2014	16:53
	IC 200-74492/4	8394_004.D	07/02/2014	17:44
	IC 200-74492/5	8394_005.D	07/02/2014	18:35
	IC 200-74492/6	8394_006.D	07/02/2014	19:26
	ICIS 200-74492/7	8394_007.D	07/02/2014	20:17
	IC 200-74492/8	8394_008.D	07/02/2014	21:08
	IC 200-74492/9	8394_009.D	07/02/2014	21:59
	IC 200-74492/10	8394_010.D	07/02/2014	22:50
	ICV 200-74492/13	8394_013.D	07/03/2014	01:24

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-64051-1
 SDG No.: _____
 Lab File ID: 8660_001.D BFB Injection Date: 07/22/2014
 Instrument ID: CHG.i BFB Injection Time: 09:59
 Analysis Batch No.: 75167

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	12.1
75	30.0 - 66.0% of mass 95	39.8
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	0.4 (0.4) 1
174	50.0 - 120.0% of mass 95	100.0
175	4.0 - 9.0 % of mass 174	6.9 (6.9) 1
176	93.0 - 101.0% of mass 174	99.8 (99.8) 1
177	5.0 - 9.0% of mass 176	6.6 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-75167/2	8660_002.D	07/22/2014	10:46
	LCS 200-75167/3	8660_003.D	07/22/2014	11:37
	MB 200-75167/4	8660_004.D	07/22/2014	12:28
AS Effluent 3Q14	480-64051-21	8660_021.D	07/23/2014	02:57
LRP Effluent 3Q14	480-64051-22	8660_022.D	07/23/2014	03:48

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1
SDG No.: _____
Sample No.: ICIS 200-74492/7 Date Analyzed: 07/02/2014 20:17
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): 8394_007.D Heated Purge: (Y/N) N
Calibration ID: 27459

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	736541	10.43	4220208	12.44	4976595	18.61	
UPPER LIMIT	1031157	10.76	5908291	12.77	6967233	18.94	
LOWER LIMIT	441925	10.10	2532125	12.11	2985957	18.28	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-74492/13		781655	10.44	4558559	12.44	5388793	18.62

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.: 480-64051-1
 SDG No.: _____
 Sample No.: CCVIS 200-75167/2 Date Analyzed: 07/22/2014 10:46
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 8660_002.D Heated Purge: (Y/N) N
 Calibration ID: 27459

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		690754	10.41	3936913	12.42	4813134	18.59
UPPER LIMIT		967056	10.74	5511678	12.75	6738388	18.92
LOWER LIMIT		414452	10.08	2362148	12.09	2887880	18.26
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-75167/3		649718	10.41	3682177	12.42	4353538	18.59
MB 200-75167/4		687568	10.40	3922698	12.41	4865277	18.59
480-64051-21		AS Effluent 3Q14	583496	2999144	12.41	3227139	18.59
480-64051-22		LRP Effluent 3Q14	627290	3452396	12.41	3564836	18.59

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.: 480-64051-1

SDG No.: _____

Client Sample ID: AS Effluent 3Q14 Lab Sample ID: 480-64051-21

Matrix: Air Lab File ID: 8660_021.D

Analysis Method: TO-15 Date Collected: 07/17/2014 07:00

Sample wt/vol: 200 (mL) Date Analyzed: 07/23/2014 02:57

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.: 75167 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	0.97		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.50
95-63-6	1,2,4-Trimethylbenzene	120.20	0.95		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	17		0.20	0.20
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.20
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	0.21		0.20	0.20
106-99-0	1,3-Butadiene	54.09	ND		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.20
123-91-1	1,4-Dioxane	88.11	ND		5.0	5.0
540-84-1	2,2,4-Trimethylpentane	114.23	2.0		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.20
107-05-1	3-Chloropropene	76.53	ND		0.50	0.50
622-96-8	4-Ethyltoluene	120.20	0.30		0.20	0.20
67-64-1	Acetone	58.08	ND		5.0	5.0
71-43-2	Benzene	78.11	0.87		0.20	0.20
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.20
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.20
75-25-2	Bromoform	252.75	ND		0.20	0.20
74-83-9	Bromomethane	94.94	ND		0.20	0.20
75-15-0	Carbon disulfide	76.14	ND		0.50	0.50
56-23-5	Carbon tetrachloride	153.81	ND		0.20	0.20
108-90-7	Chlorobenzene	112.56	ND		0.20	0.20
75-00-3	Chloroethane	64.52	10		0.50	0.50
67-66-3	Chloroform	119.38	ND		0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Client Sample ID: AS Effluent 3Q14 Lab Sample ID: 480-64051-21

Matrix: Air Lab File ID: 8660_021.D

Analysis Method: TO-15 Date Collected: 07/17/2014 07:00

Sample wt/vol: 200 (mL) Date Analyzed: 07/23/2014 02:57

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.: 75167 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	0.62		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	17		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.20
110-82-7	Cyclohexane	84.16	0.34		0.20	0.20
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.20
75-71-8	Dichlorodifluoromethane	120.91	0.58		0.50	0.50
100-41-4	Ethylbenzene	106.17	0.63		0.20	0.20
76-13-1	Freon TF	187.38	ND		0.20	0.20
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.20
67-63-0	Isopropyl alcohol	60.10	ND		5.0	5.0
179601-23-1	m,p-Xylene	106.17	2.4		0.50	0.50
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.50
78-93-3	Methyl Ethyl Ketone	72.11	0.79		0.50	0.50
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.50
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.20
75-09-2	Methylene Chloride	84.93	ND		0.50	0.50
142-82-5	n-Heptane	100.21	0.49		0.20	0.20
110-54-3	n-Hexane	86.17	1.5		0.20	0.20
100-42-5	Styrene	104.15	ND		0.20	0.20
75-65-0	tert-Butyl alcohol	74.12	ND		5.0	5.0
127-18-4	Tetrachloroethene	165.83	ND		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	ND		5.0	5.0
108-88-3	Toluene	92.14	3.8		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.20
79-01-6	Trichloroethene	131.39	6.6		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	0.29		0.20	0.20
75-01-4	Vinyl chloride	62.50	12		0.20	0.20
1330-20-7	Xylene (total)	106.17	3.1		0.20	0.20
95-47-6	Xylene, o-	106.17	0.72		0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Client Sample ID: AS Effluent 3Q14 Lab Sample ID: 480-64051-21

Matrix: Air Lab File ID: 8660_021.D

Analysis Method: TO-15 Date Collected: 07/17/2014 07:00

Sample wt/vol: 200 (mL) Date Analyzed: 07/23/2014 02:57

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.: 75167 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	1.1
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	1.4
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	1.1
75-34-3	1,1-Dichloroethane	98.96	3.9		0.81	0.81
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.79
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	3.7
95-63-6	1,2,4-Trimethylbenzene	120.20	4.7		0.98	0.98
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	1.5
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	1.2
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.81
540-59-0	1,2-Dichloroethene, Total	96.94	67		0.79	0.79
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.92
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	1.4
108-67-8	1,3,5-Trimethylbenzene	120.20	1.0		0.98	0.98
106-99-0	1,3-Butadiene	54.09	ND		0.44	0.44
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	1.2
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	1.2
123-91-1	1,4-Dioxane	88.11	ND		18	18
540-84-1	2,2,4-Trimethylpentane	114.23	9.1		0.93	0.93
95-49-8	2-Chlorotoluene	126.59	ND		1.0	1.0
107-05-1	3-Chloropropene	76.53	ND		1.6	1.6
622-96-8	4-Ethyltoluene	120.20	1.5		0.98	0.98
67-64-1	Acetone	58.08	ND		12	12
71-43-2	Benzene	78.11	2.8		0.64	0.64
75-27-4	Bromodichloromethane	163.83	ND		1.3	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.87
75-25-2	Bromoform	252.75	ND		2.1	2.1
74-83-9	Bromomethane	94.94	ND		0.78	0.78
75-15-0	Carbon disulfide	76.14	ND		1.6	1.6
56-23-5	Carbon tetrachloride	153.81	ND		1.3	1.3
108-90-7	Chlorobenzene	112.56	ND		0.92	0.92
75-00-3	Chloroethane	64.52	28		1.3	1.3
67-66-3	Chloroform	119.38	ND		0.98	0.98

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Client Sample ID: AS Effluent 3Q14 Lab Sample ID: 480-64051-21

Matrix: Air Lab File ID: 8660_021.D

Analysis Method: TO-15 Date Collected: 07/17/2014 07:00

Sample wt/vol: 200 (mL) Date Analyzed: 07/23/2014 02:57

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.: 75167 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	1.3		1.0	1.0
156-59-2	cis-1,2-Dichloroethene	96.94	68		0.79	0.79
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.91
110-82-7	Cyclohexane	84.16	1.2		0.69	0.69
124-48-1	Dibromochloromethane	208.29	ND		1.7	1.7
75-71-8	Dichlorodifluoromethane	120.91	2.9		2.5	2.5
100-41-4	Ethylbenzene	106.17	2.7		0.87	0.87
76-13-1	Freon TF	187.38	ND		1.5	1.5
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	2.1
67-63-0	Isopropyl alcohol	60.10	ND		12	12
179601-23-1	m,p-Xylene	106.17	10		2.2	2.2
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	2.0
78-93-3	Methyl Ethyl Ketone	72.11	2.3		1.5	1.5
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	2.0
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.72
75-09-2	Methylene Chloride	84.93	ND		1.7	1.7
142-82-5	n-Heptane	100.21	2.0		0.82	0.82
110-54-3	n-Hexane	86.17	5.3		0.70	0.70
100-42-5	Styrene	104.15	ND		0.85	0.85
75-65-0	tert-Butyl alcohol	74.12	ND		15	15
127-18-4	Tetrachloroethene	165.83	ND		1.4	1.4
109-99-9	Tetrahydrofuran	72.11	ND		15	15
108-88-3	Toluene	92.14	14		0.75	0.75
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.79
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.91
79-01-6	Trichloroethene	131.39	36		1.1	1.1
75-69-4	Trichlorofluoromethane	137.37	1.6		1.1	1.1
75-01-4	Vinyl chloride	62.50	31		0.51	0.51
1330-20-7	Xylene (total)	106.17	14		0.87	0.87
95-47-6	Xylene, o-	106.17	3.1		0.87	0.87

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D
 Lims ID: 480-64051-A-21 Lab Sample ID: 200-64051-21
 Client ID: AS Effluent 3Q14
 Sample Type: Client
 Inject. Date: 23-Jul-2014 02:57:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0008660-021
 Misc. Info.: 64051-21
 Operator ID: pad Instrument ID: CHG.i
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\TO15_LLNJ_TO3_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jul-2014 12:23:50 Calib Date: 02-Jul-2014 22:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last Ical File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: daiglep

Date: 23-Jul-2014 12:02:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	2.827	2.827	0.000	98	63717	0.5835	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105				ND	
8 Chloromethane	50	3.244	3.244	0.000	99	13054	0.6228	
10 Vinyl chloride	62	3.496	3.496	0.000	98	358315	12.1	
11 Butadiene	54		3.576				ND	
12 Bromomethane	94		4.293				ND	
14 Chloroethane	64	4.550	4.550	0.000	99	107350	10.4	
16 Vinyl bromide	106		4.962				ND	
17 Trichlorofluoromethane	101	5.079	5.074	0.005	99	34827	0.2854	M
23 1,1,2-Trichloro-1,2,2-trif	101	6.224	6.230	-0.006	95	8122	0.1015	
24 1,1-Dichloroethene	96	6.262	6.262	0.000	70	2630	0.0753	
25 Acetone	43	6.545	6.540	0.005	87	111856	3.91	
26 Carbon disulfide	76	6.641	6.647	-0.006	99	22821	0.2511	
27 Isopropyl alcohol	45	6.882	6.866	0.016	97	28616	1.20	
29 3-Chloro-1-propene	41		7.107				ND	
31 Methylene Chloride	49	7.406	7.423	-0.017	89	4736	0.1862	
32 2-Methyl-2-propanol	59		7.679				ND	
33 Methyl tert-butyl ether	73		7.840				ND	
34 trans-1,2-Dichloroethene	61	7.872	7.872	0.000	85	6571	0.1735	
36 Hexane	57	8.273	8.273	0.000	90	44314	1.51	
37 1,1-Dichloroethane	63	8.792	8.787	0.005	98	53927	0.9670	
39 cis-1,2-Dichloroethene	96	9.931	9.937	-0.006	91	872649	17.1	
40 2-Butanone (MEK)	72	10.012	10.006	0.006	97	12355	0.7892	
S 41 1,2-Dichloroethene, Total	61				0		17.3	
44 Tetrahydrofuran	42		10.397				ND	
* 43 Chlorobromomethane	128	10.408	10.408	0.000	68	583496	10.0	
45 Chloroform	83	10.552	10.557	-0.005	50	4008	0.0381	
46 Cyclohexane	84	10.771	10.771	0.000	28	16253	0.3399	M
47 1,1,1-Trichloroethane	97		10.814				ND	
48 Carbon tetrachloride	117	11.066	11.060	0.006	96	12850	0.0866	
51 Isooctane	57	11.515	11.515	0.000	98	285065	1.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
50 Benzene	78	11.547	11.547	0.000	94	114972	0.8669	
52 1,2-Dichloroethane	62		11.745				ND	
53 n-Heptane	43	11.932	11.922	0.010	87	23812	0.4938	
* 54 1,4-Difluorobenzene	114	12.414	12.419	-0.005	91	2999144	10.0	
56 Trichloroethene	95	12.868	12.869	-0.001	96	634570	6.62	
58 1,2-Dichloropropane	63		13.446				ND	
60 1,4-Dioxane	88	13.687	13.676	0.011	84	34865	1.20	
62 Dichlorobromomethane	83		14.019				ND	
64 cis-1,3-Dichloropropene	75		15.003				ND	
65 4-Methyl-2-pentanone (MIBK)	43	15.329	15.313	0.016	81	7351	0.0711	
66 Toluene	92	15.607	15.608	-0.001	94	565668	3.83	
70 trans-1,3-Dichloropropene	75		16.244				ND	
71 1,1,2-Trichloroethane	83		16.629				ND	
72 Tetrachloroethene	166	16.715	16.715	0.000	94	8842	0.0446	
73 2-Hexanone	43		17.100				ND	
74 Chlorodibromomethane	129		17.400				ND	
75 Ethylene Dibromide	107		17.678				ND	
* 76 Chlorobenzene-d5	117	18.587	18.587	0.000	82	3227139	10.0	
77 Chlorobenzene	112		18.652				ND	
78 Ethylbenzene	91	18.812	18.812	0.000	97	194813	0.6312	
80 m-Xylene & p-Xylene	106	19.063	19.064	-0.001	100	316937	2.35	
83 o-Xylene	106	19.914	19.914	0.000	94	102401	0.7222	
84 Styrene	104		19.968				ND	
S 82 Xylenes, Total	106				0		3.07	
85 Bromoform	173		20.390				ND	
* 87 4-Bromofluorobenzene	95	20.963	20.963	-0.001	98	2263012	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.252				ND	
91 4-Ethyltoluene	105	21.503	21.508	-0.005	98	103590	0.2989	
92 2-Chlorotoluene	91		21.514				ND	
94 1,3,5-Trimethylbenzene	105	21.610	21.615	-0.005	96	64813	0.2110	
97 1,2,4-Trimethylbenzene	105	22.193	22.193	0.000	97	286174	0.9479	
100 1,3-Dichlorobenzene	146	22.642	22.648	-0.006	70	4592	0.0169	
101 1,4-Dichlorobenzene	146		22.782				ND	
105 1,2-Dichlorobenzene	146		23.317				ND	
107 1,2,4-Trichlorobenzene	180		25.804				ND	
108 Hexachlorobutadiene	225		25.986				ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00009

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Worklist Smp#: 21

Client ID: AS Effluent 3Q14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

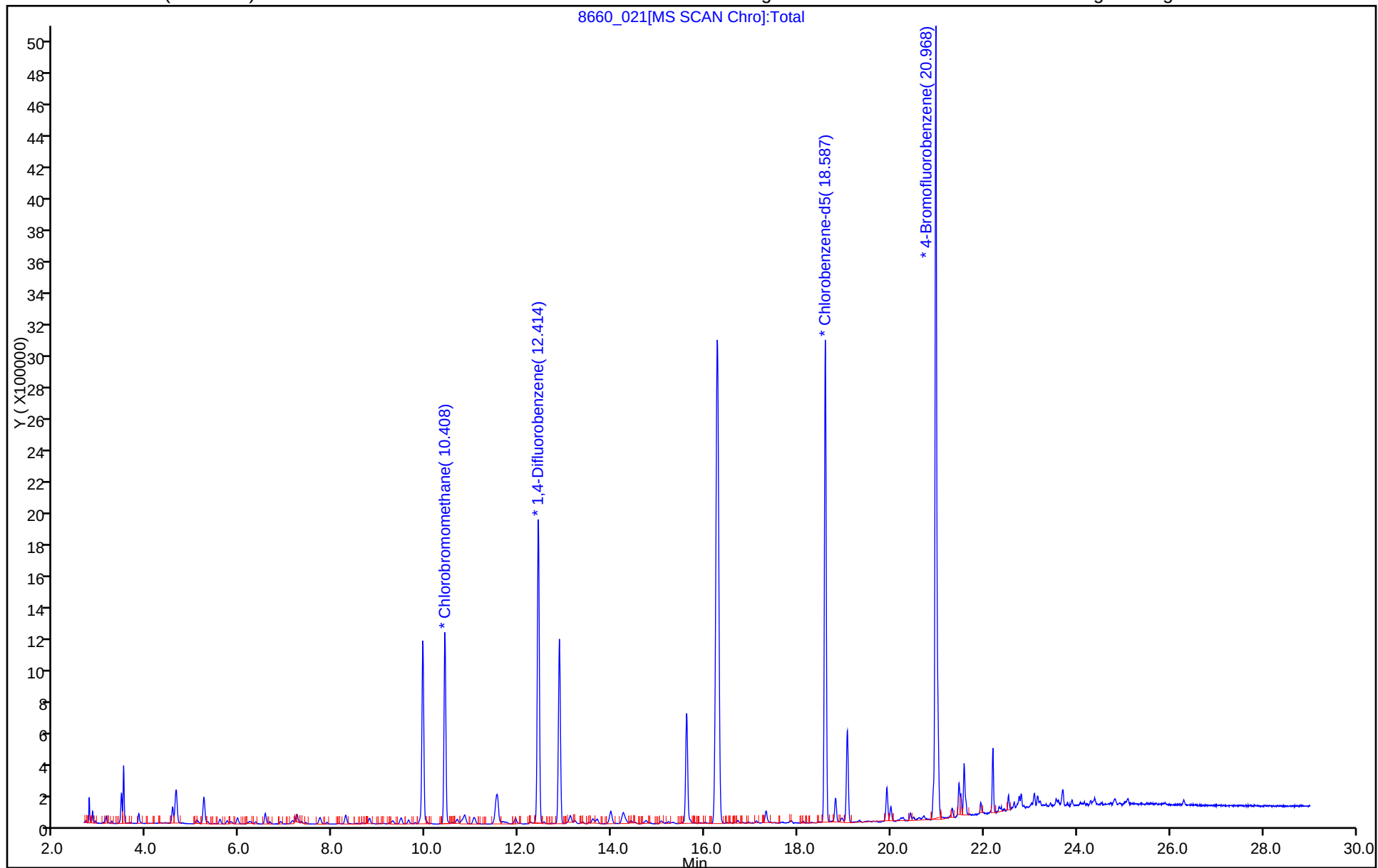
ALS Bottle#: 20

Method: TO15_LL NJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

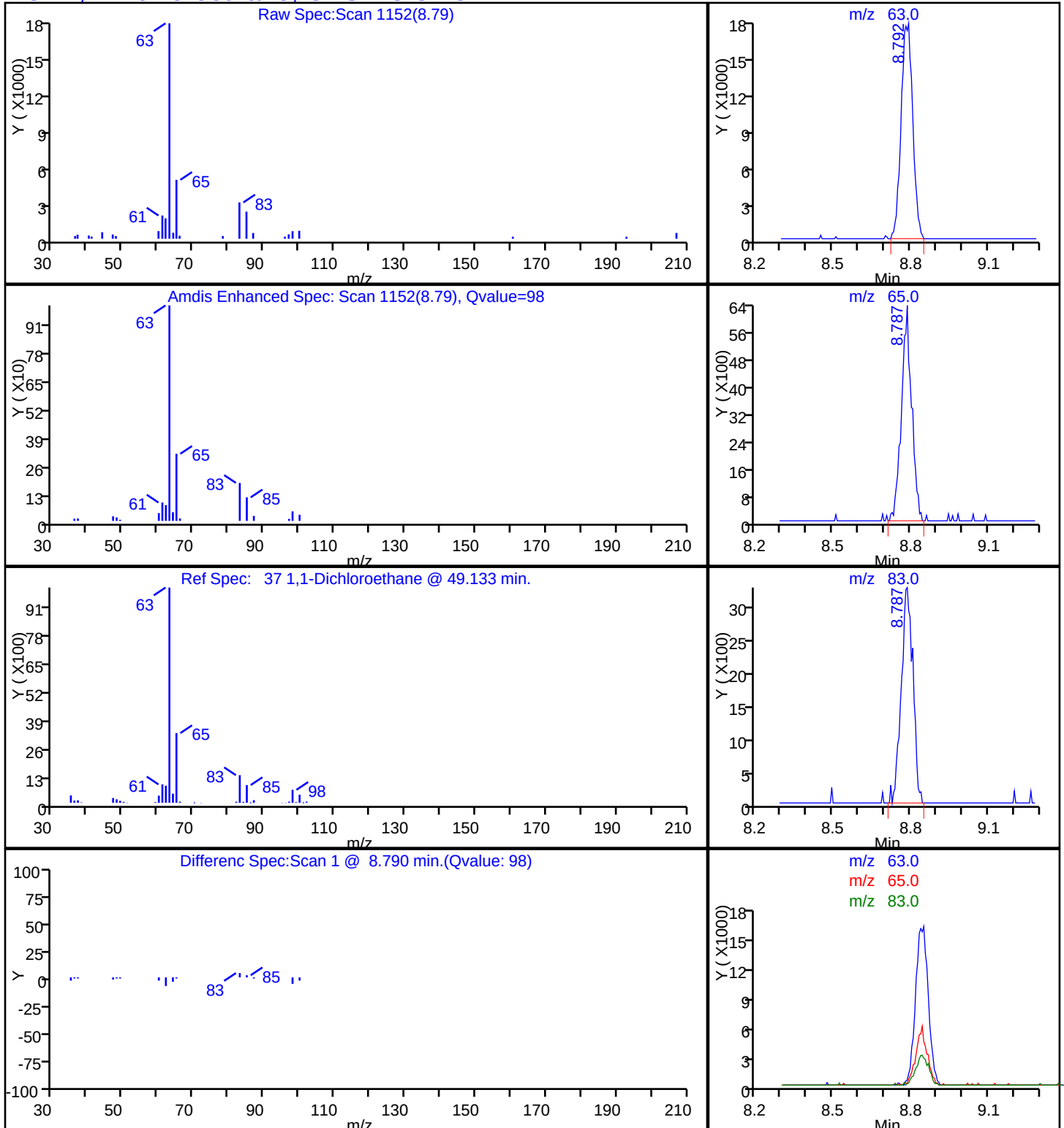
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

37 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

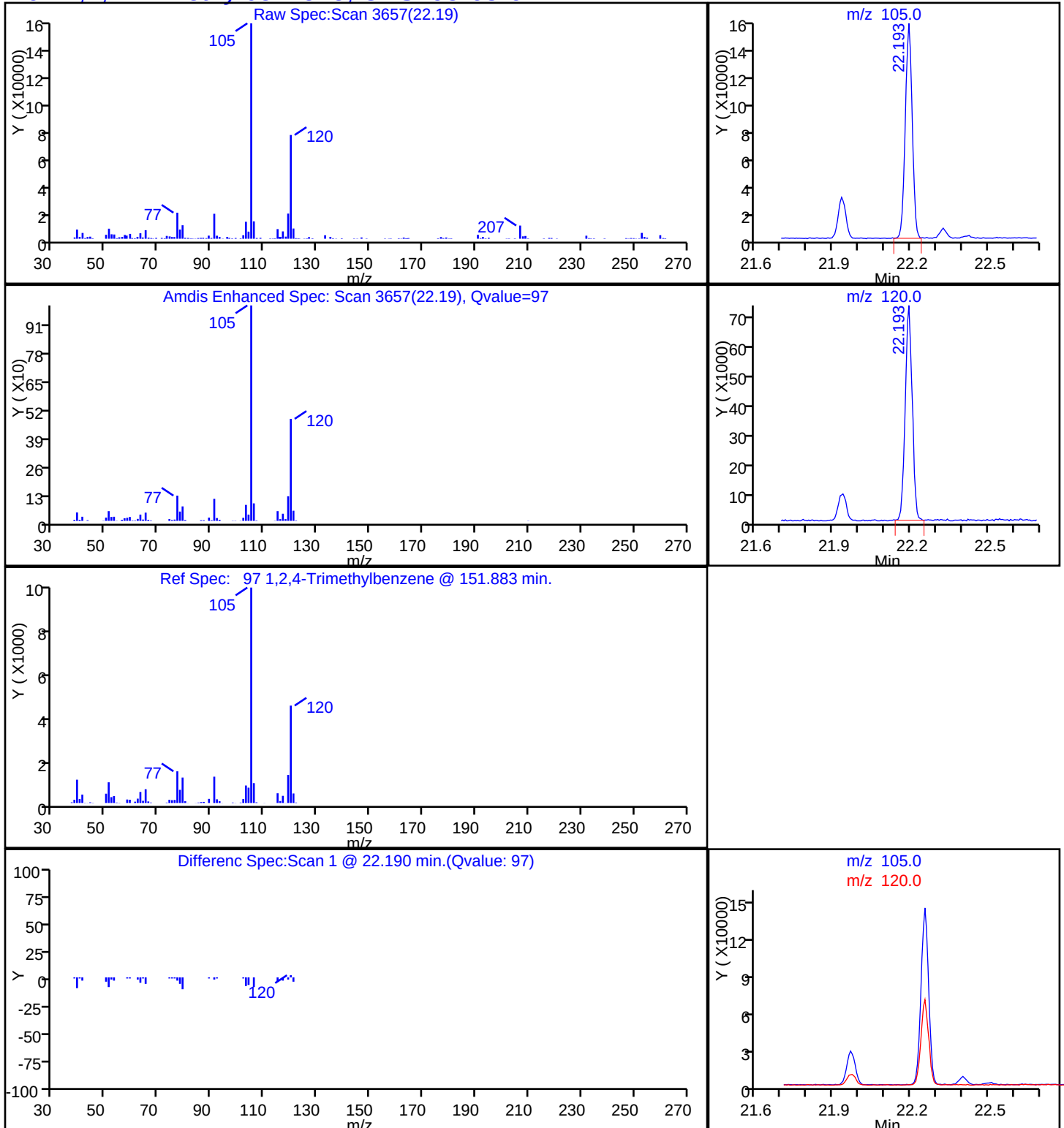
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

97 1,2,4-Trimethylbenzene, CAS: 95-63-6

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

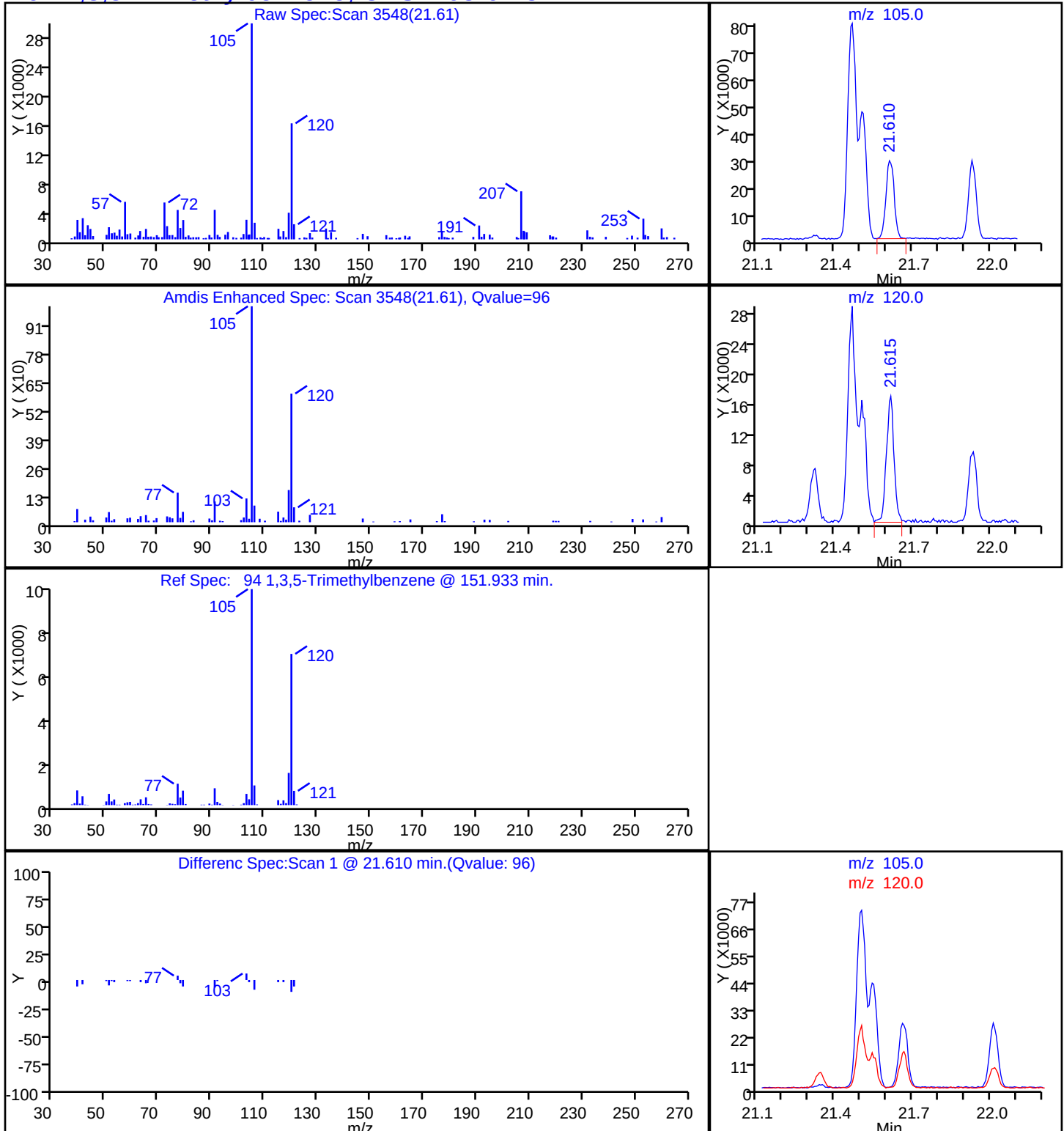
Dil. Factor: 1.0000

Method: TO15_LL NJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

94 1,3,5-Trimethylbenzene, CAS: 108-67-8

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

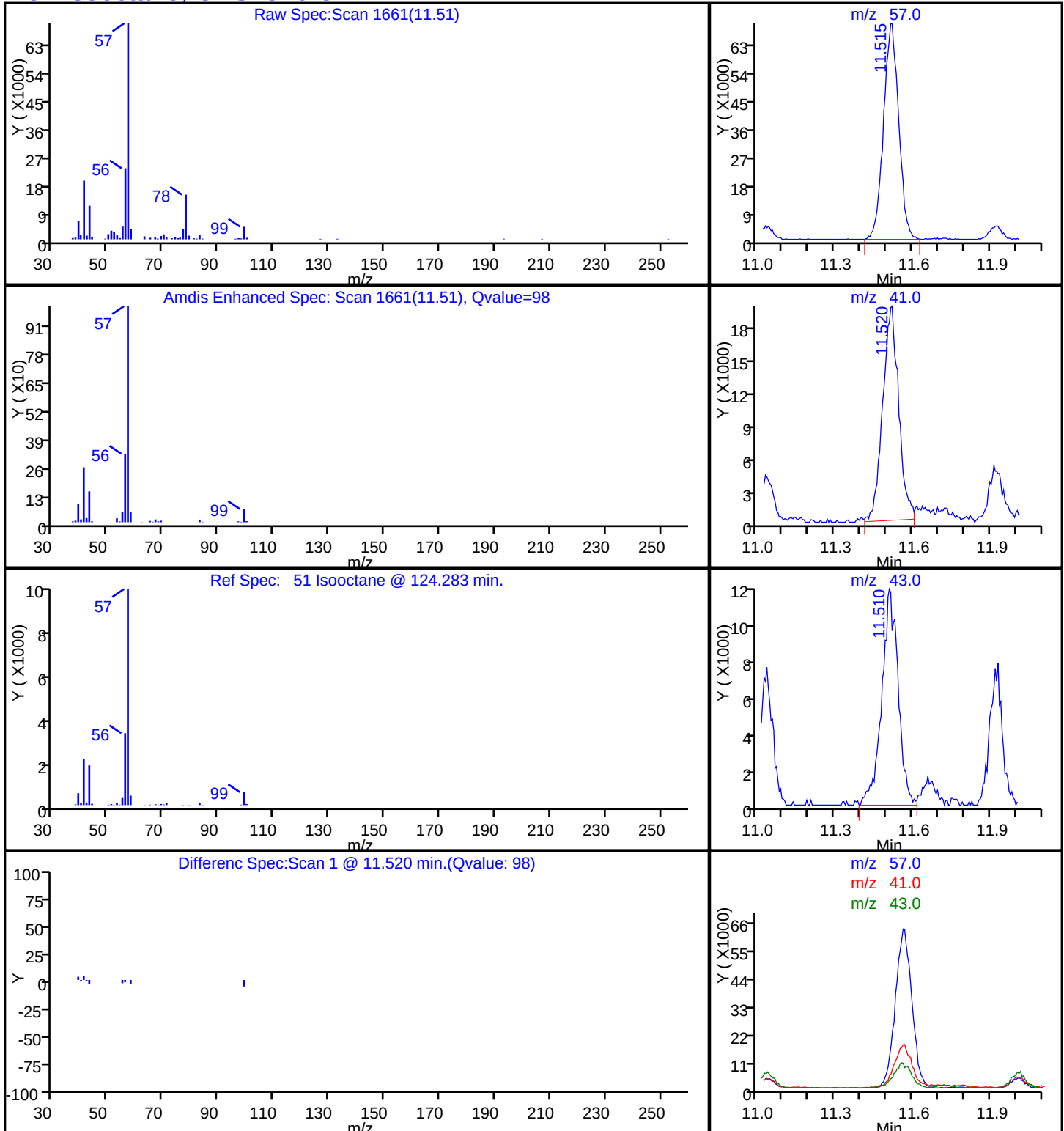
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

51 Isooctane, CAS: 540-84-1

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

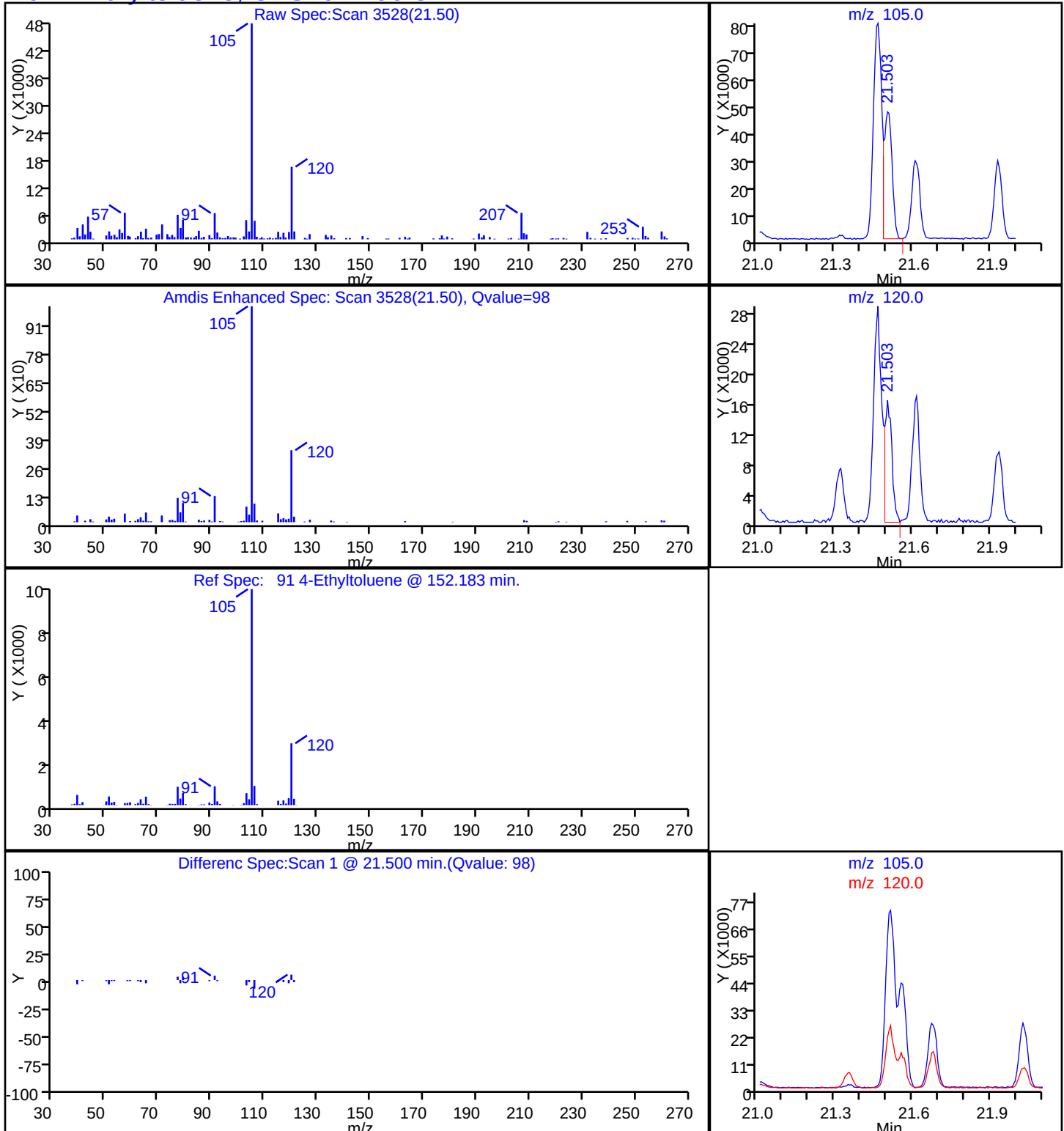
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

91 4-Ethyltoluene, CAS: 622-96-8

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

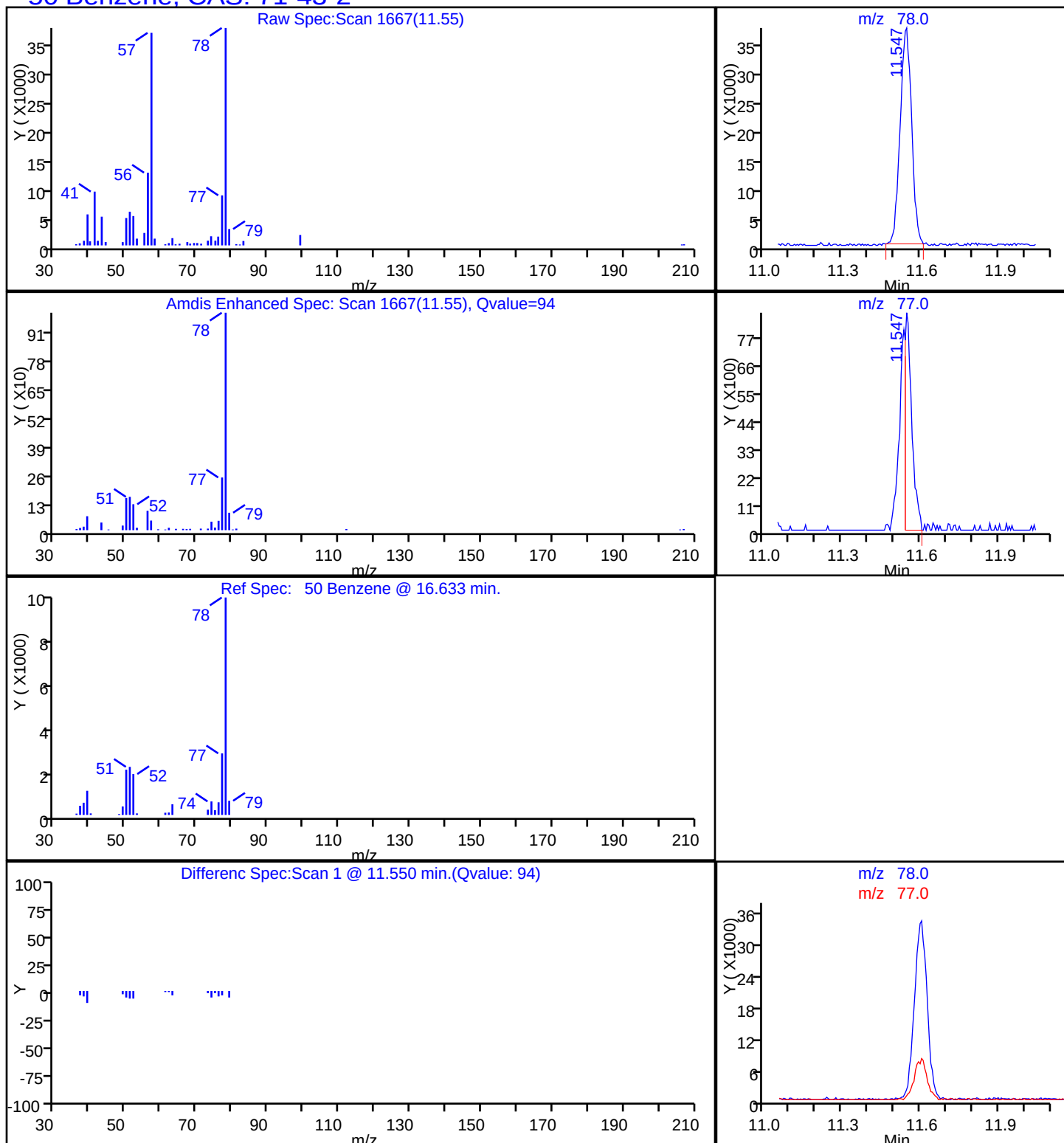
Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

50 Benzene, CAS: 71-43-2



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

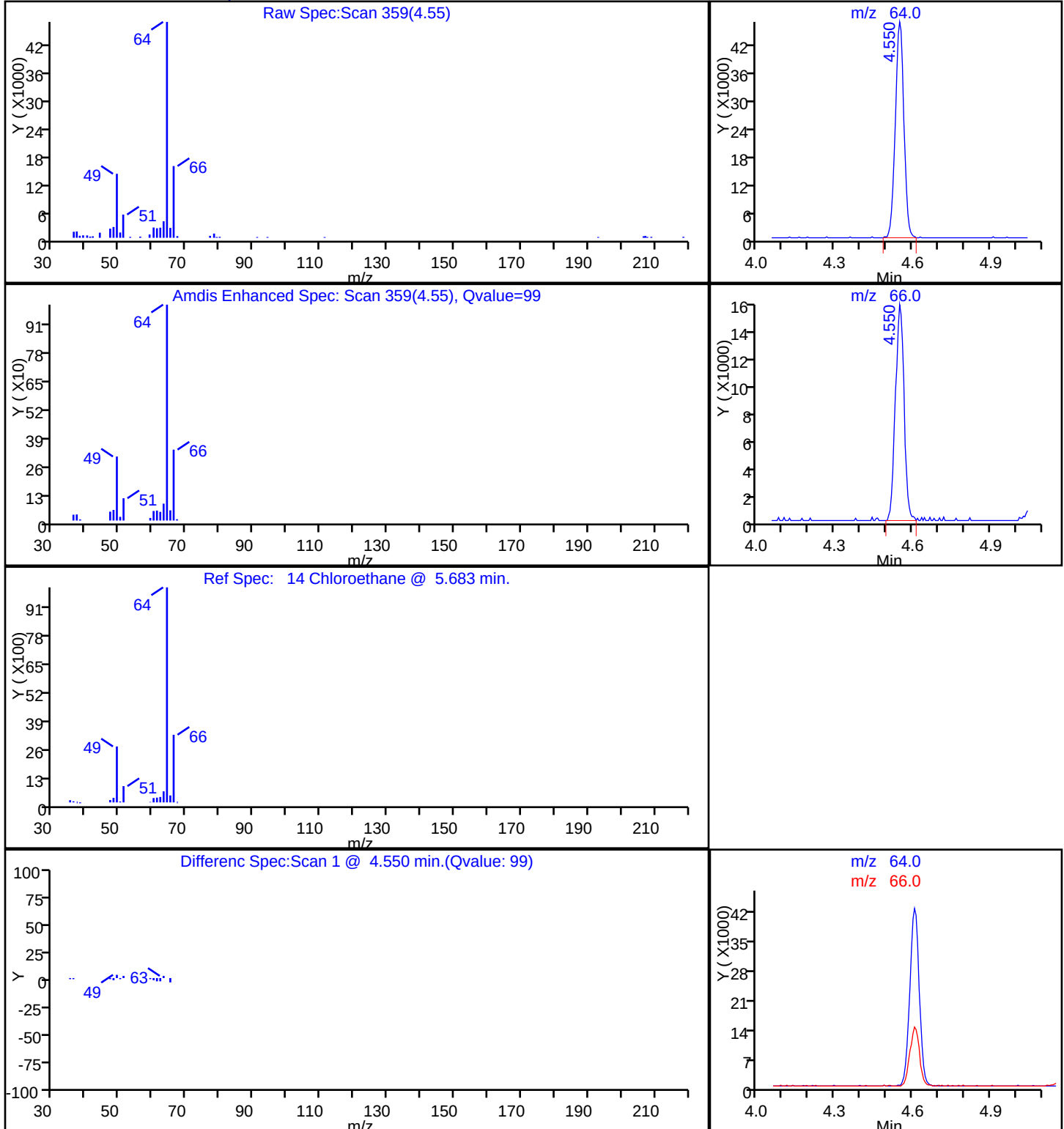
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Chloroethane, CAS: 75-00-3

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

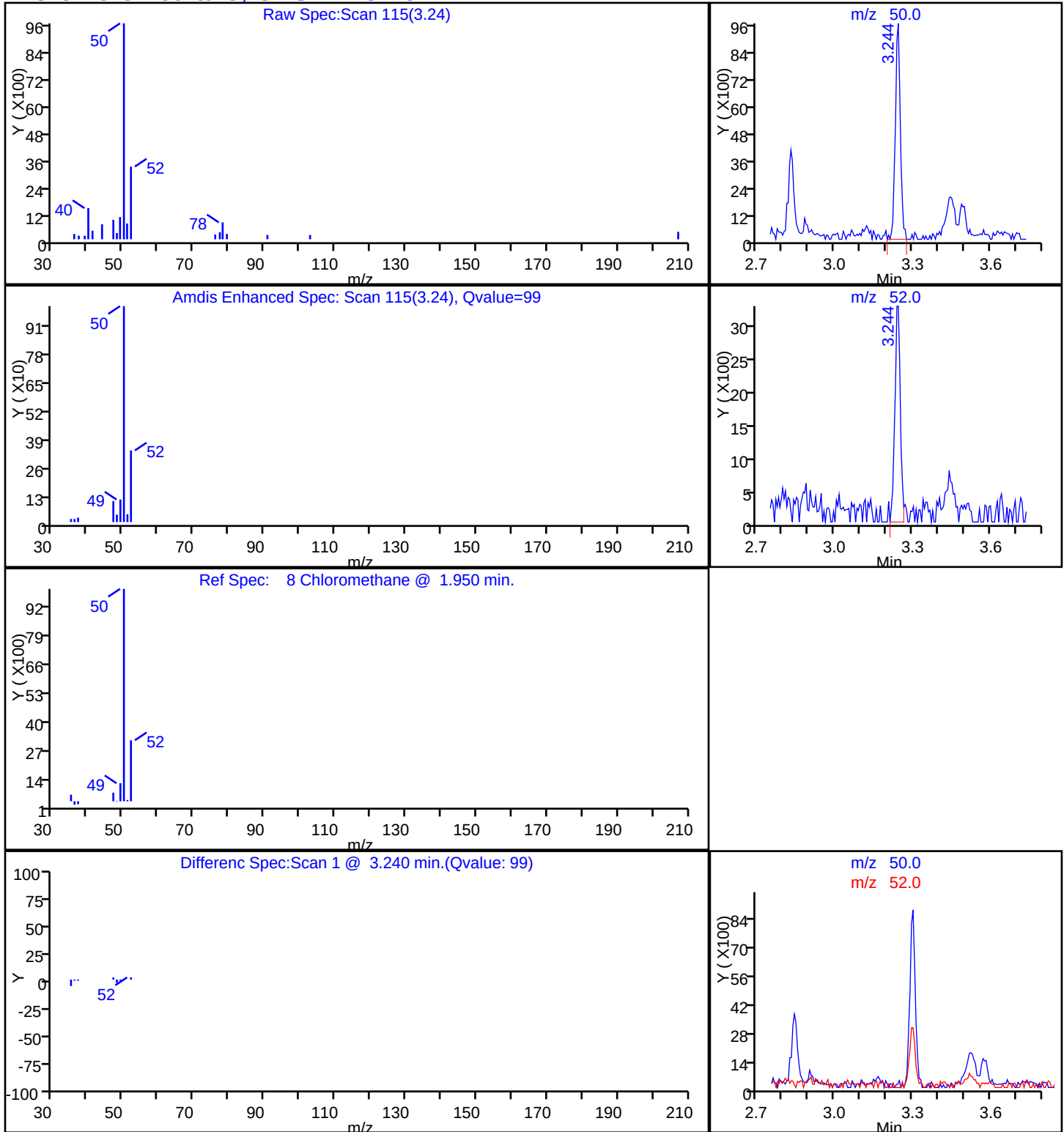
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Chloromethane, CAS: 74-87-3

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

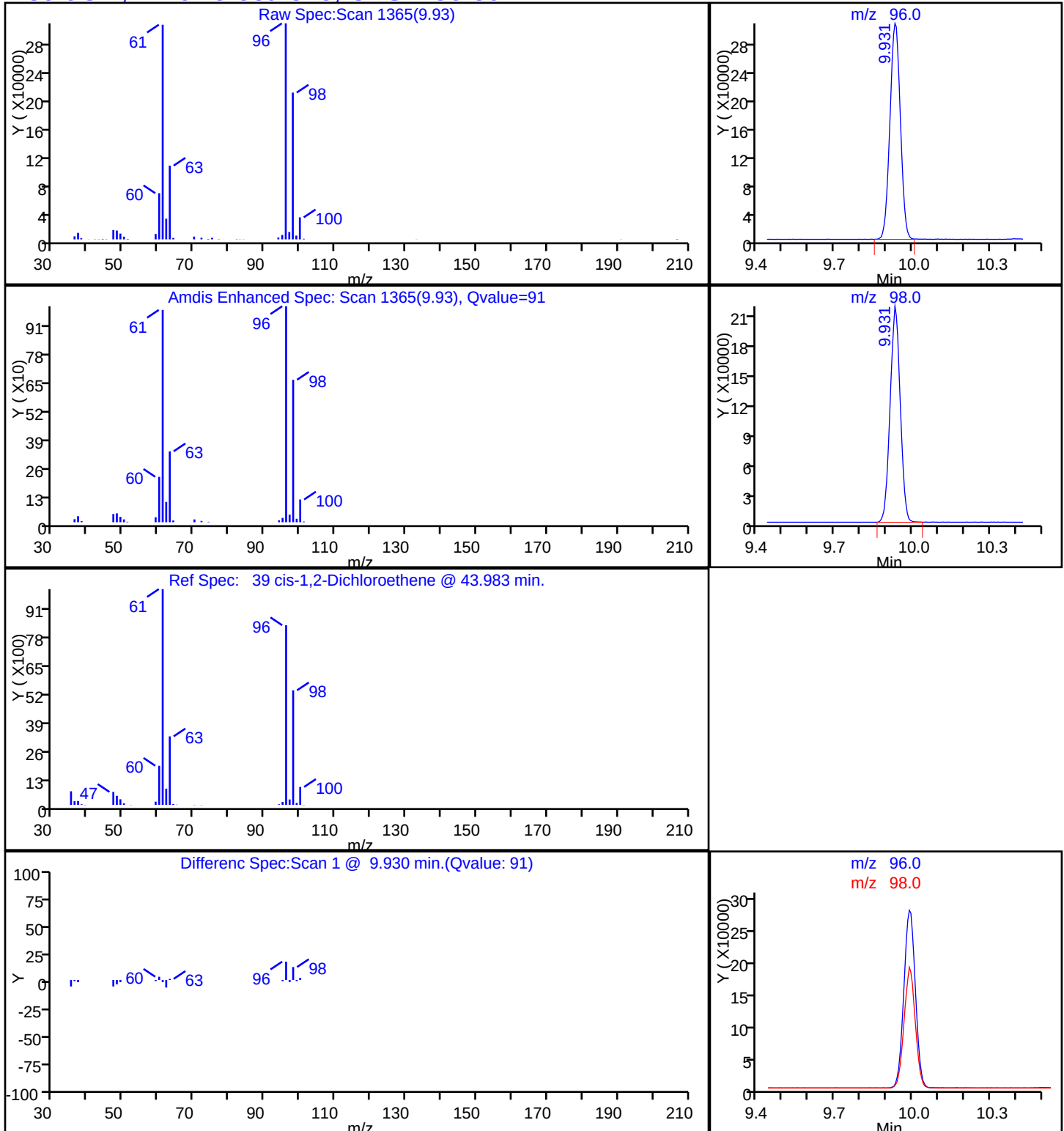
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

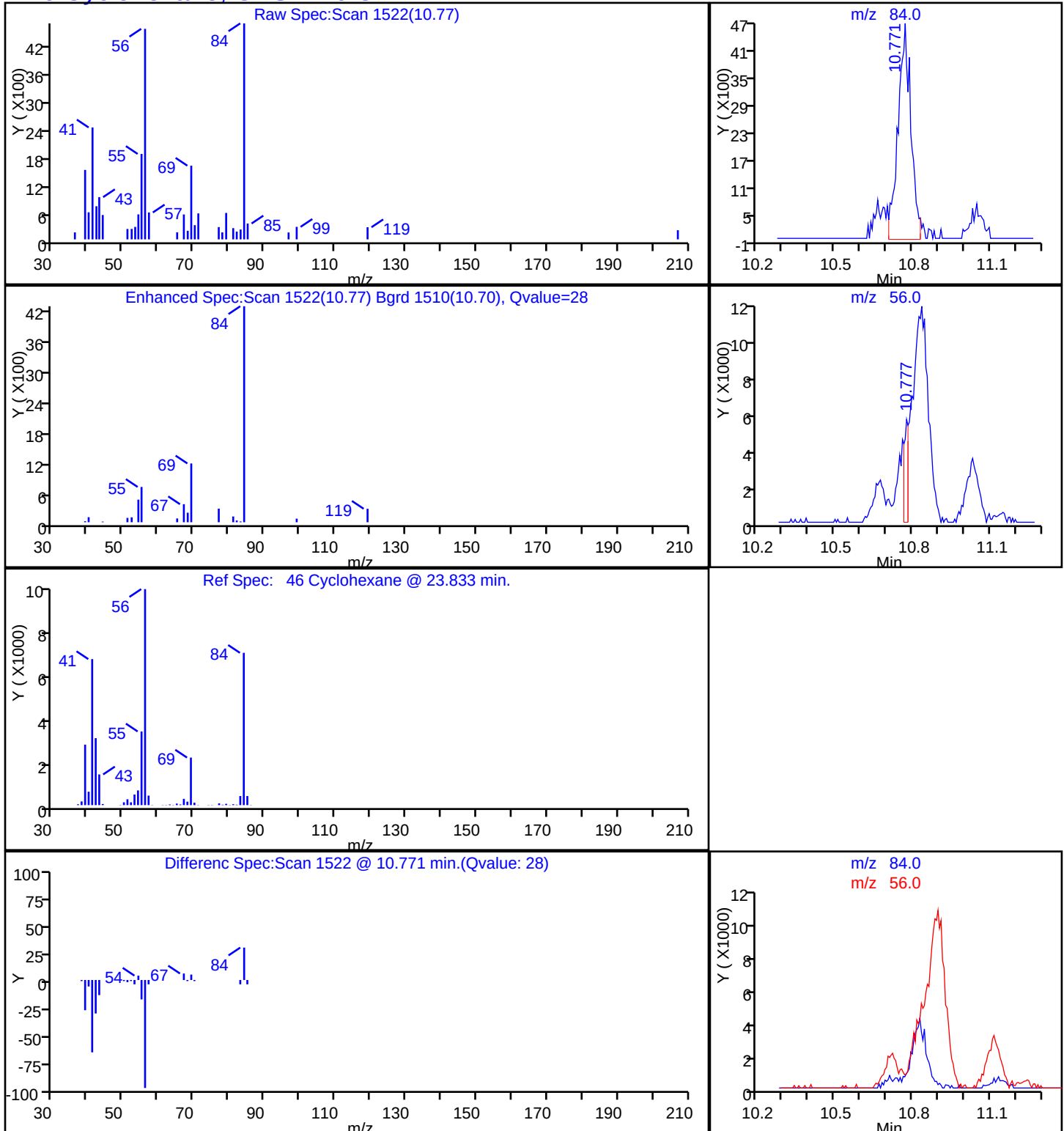
Dil. Factor: 1.0000

Method: TO15_LL NJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

46 Cyclohexane, CAS: 110-82-7

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

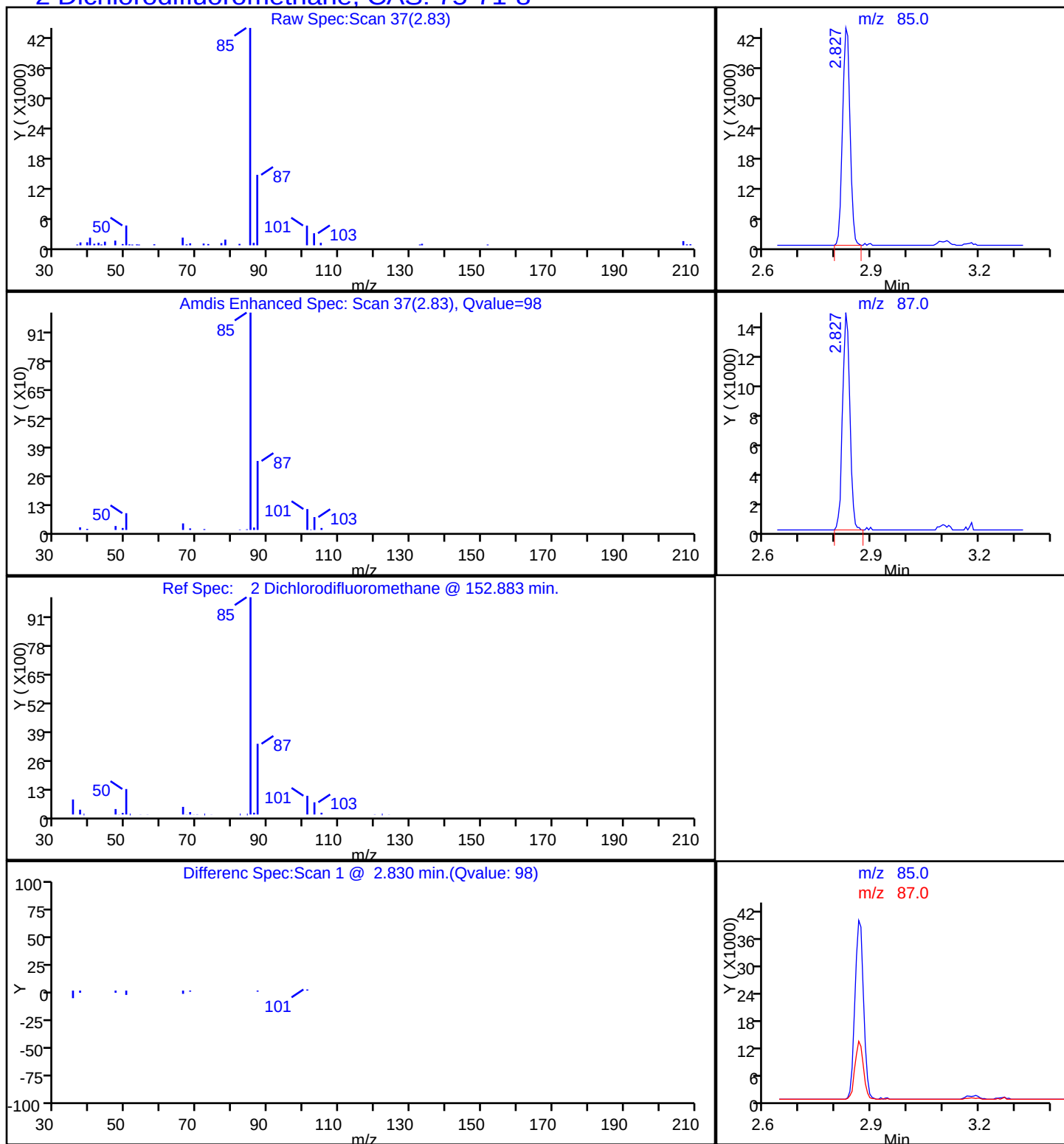
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

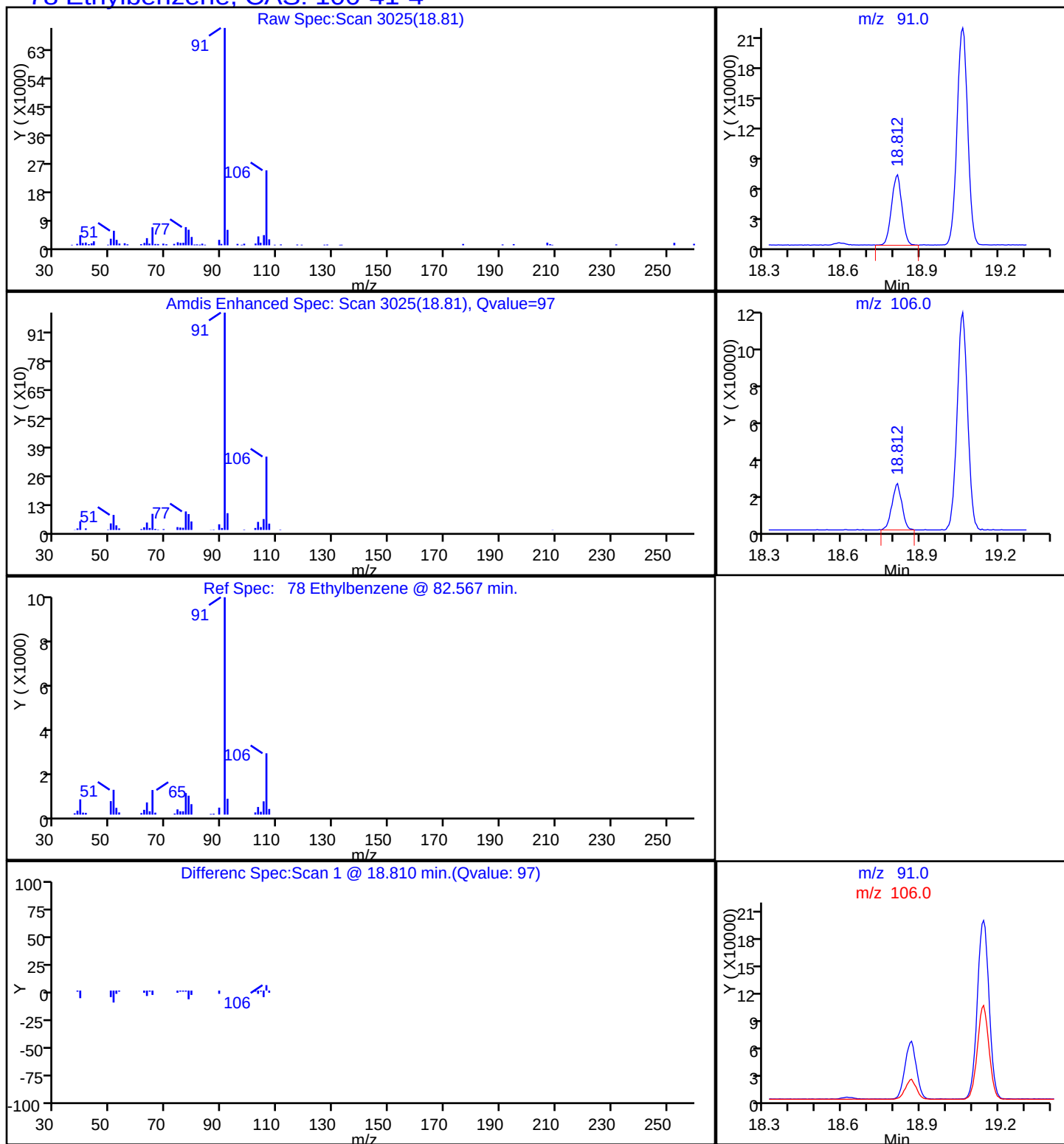
Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

78 Ethylbenzene, CAS: 100-41-4



TestAmerica Burlington

Data File: \\BTv-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

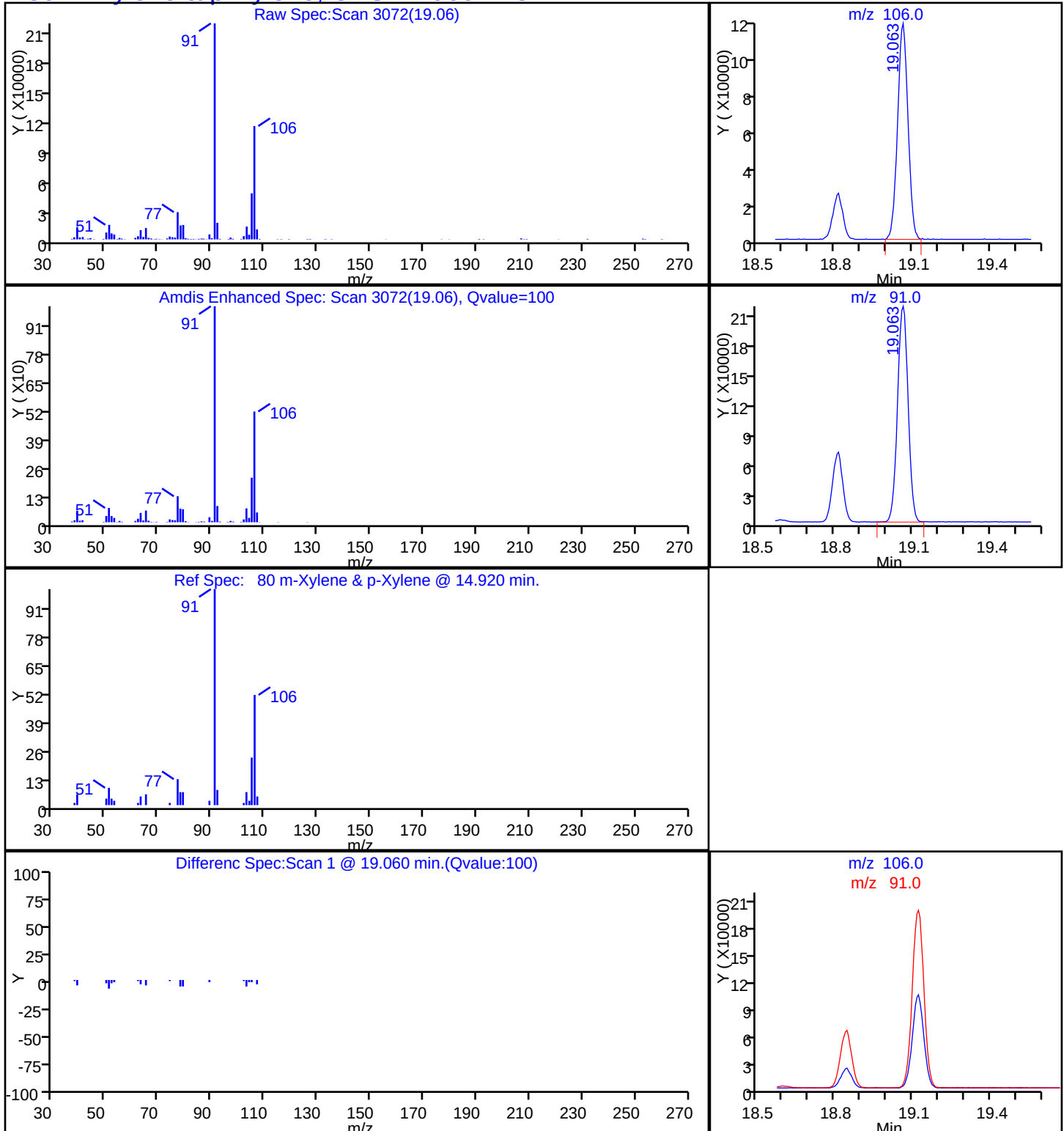
Dil. Factor: 1.0000

Method: TO15_LL NJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

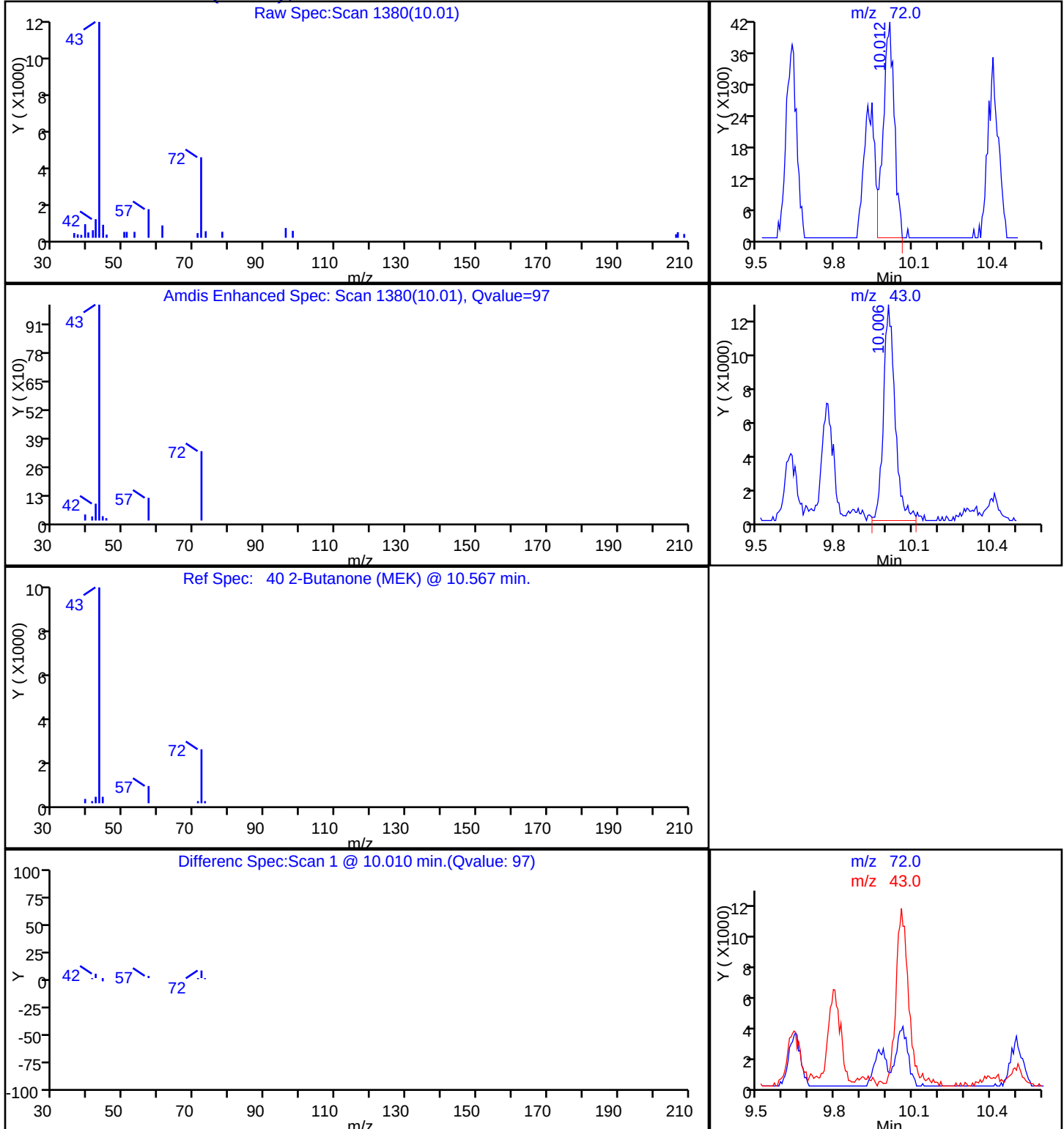
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

40 2-Butanone (MEK), CAS: 78-93-3

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

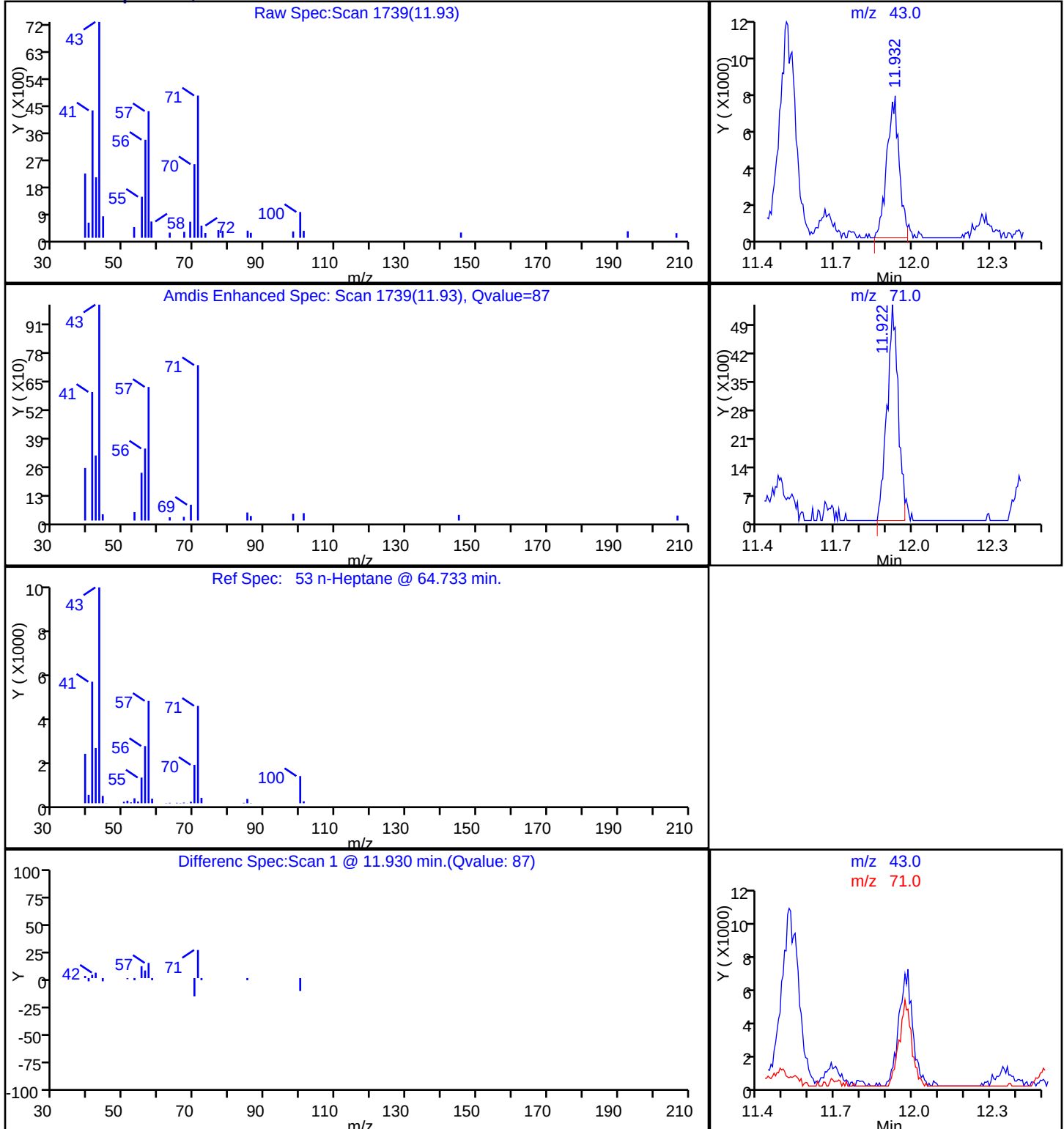
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

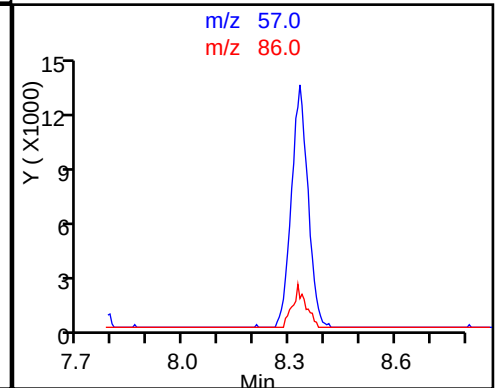
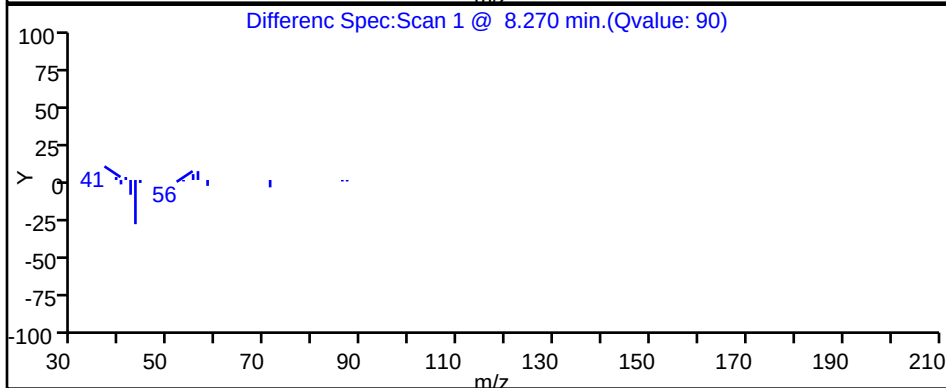
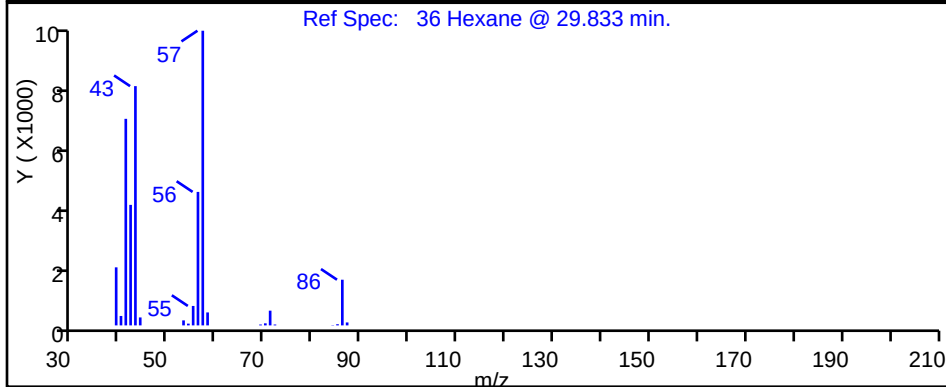
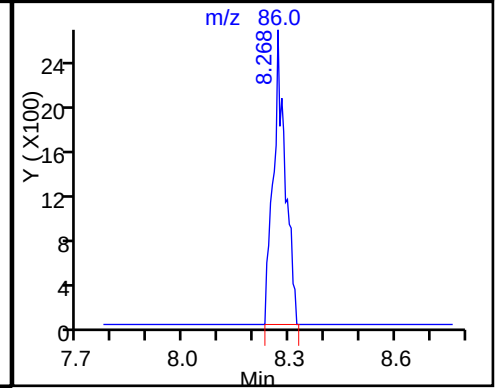
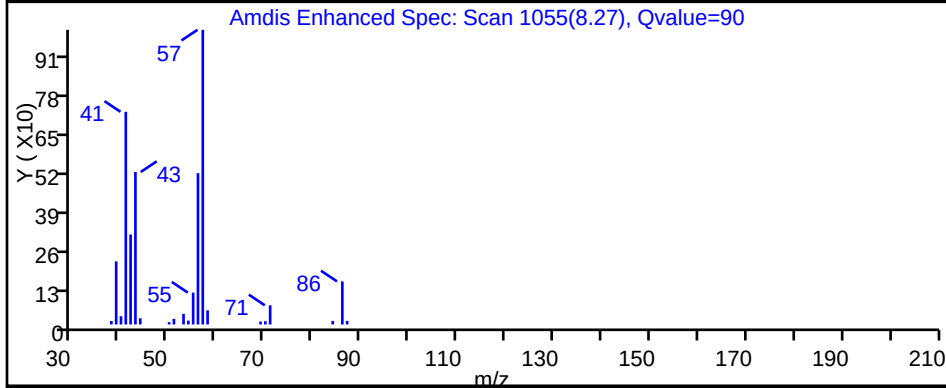
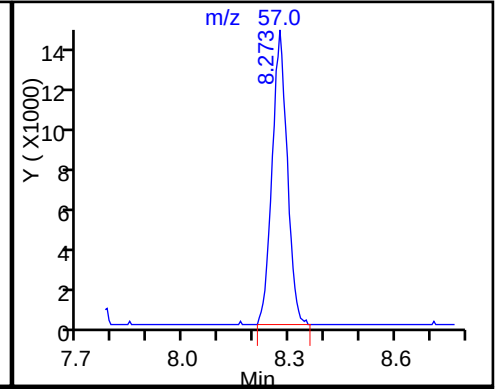
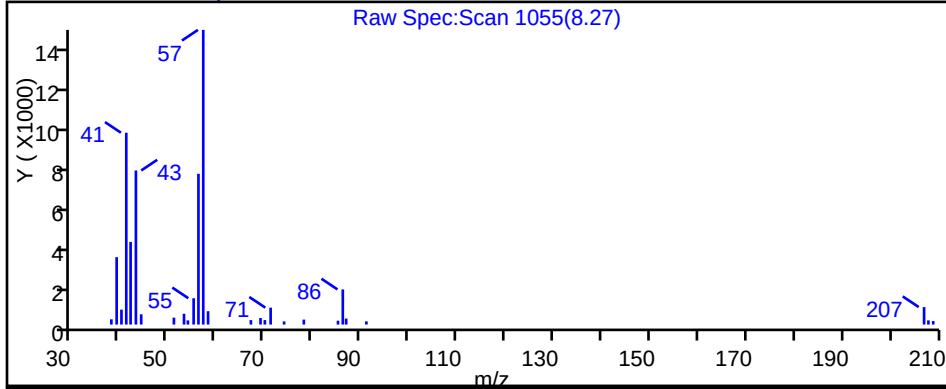
Dil. Factor: 1.0000

Method: TO15_LL NJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

36 Hexane, CAS: 110-54-3

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

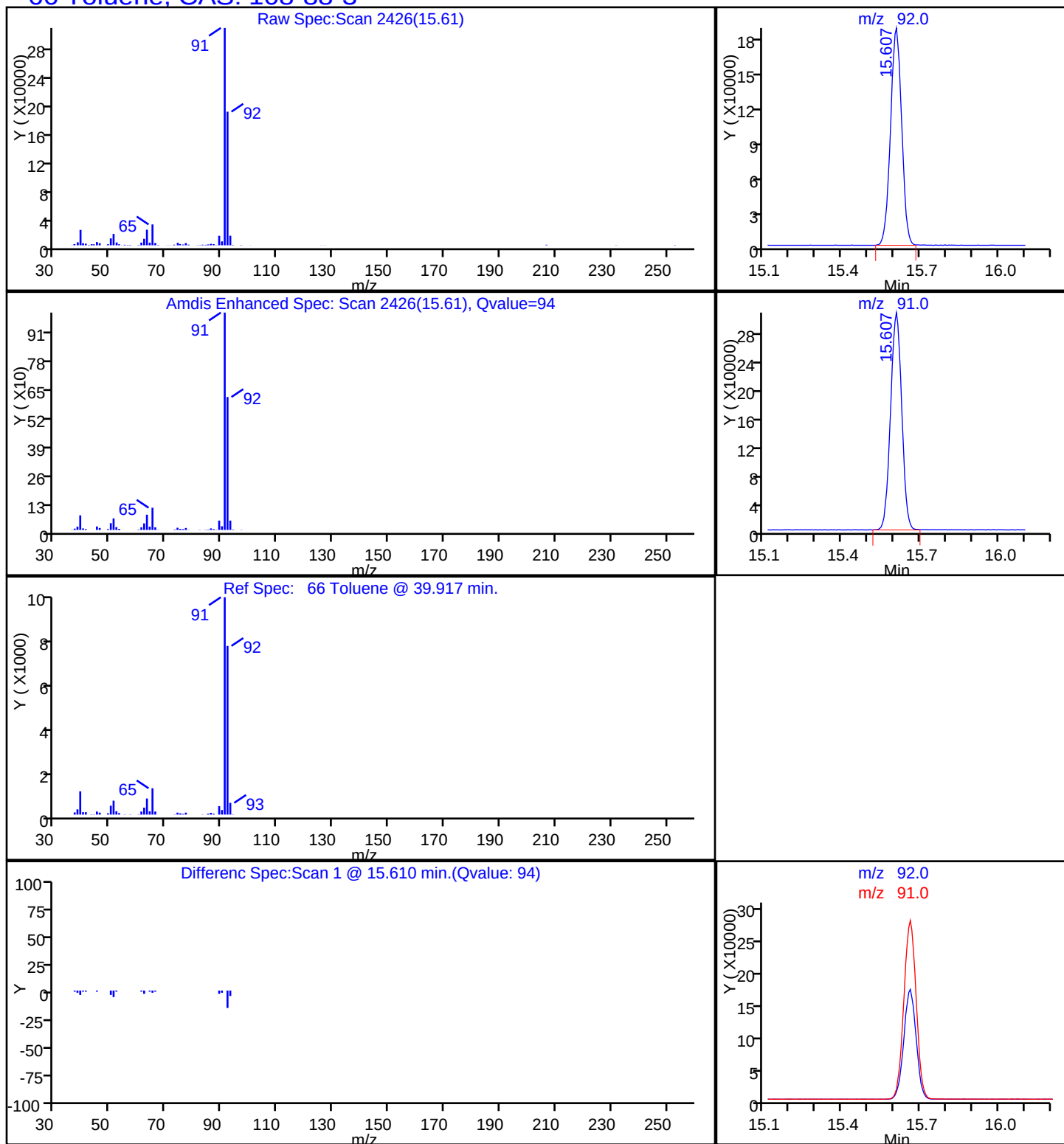
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

66 Toluene, CAS: 108-88-3

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

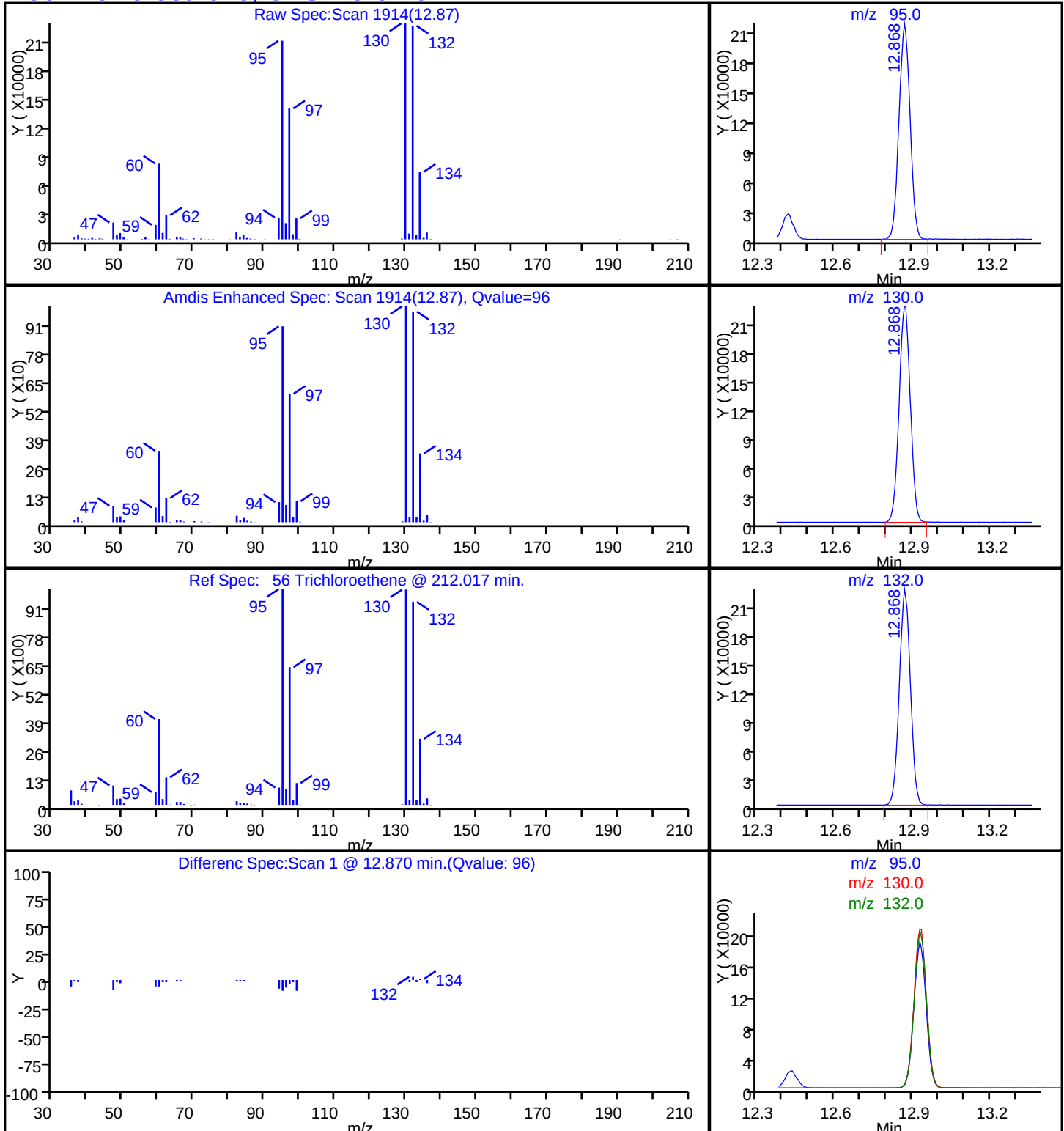
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

56 Trichloroethene, CAS: 79-01-6

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

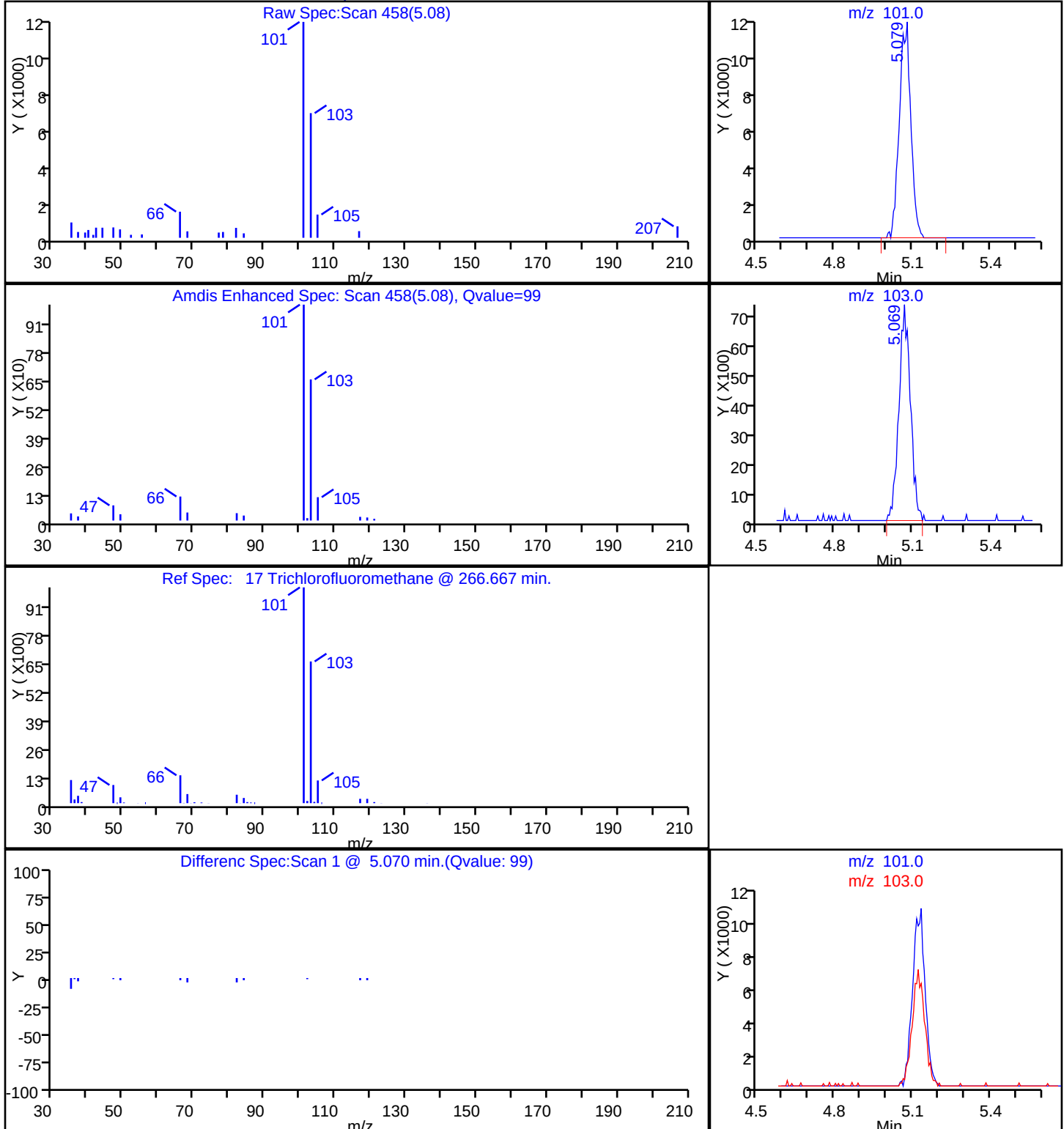
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

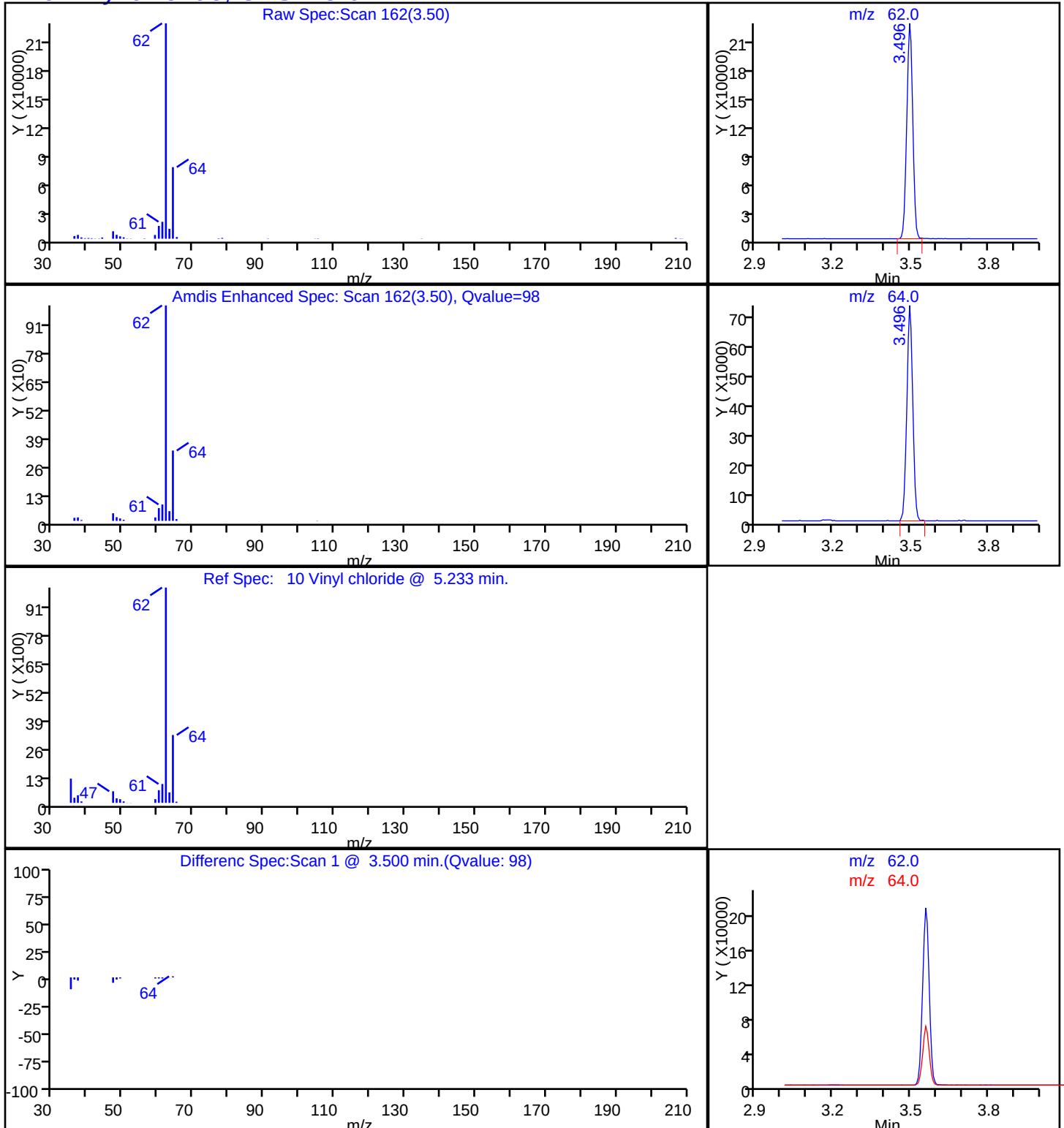
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

10 Vinyl chloride, CAS: 75-01-4

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

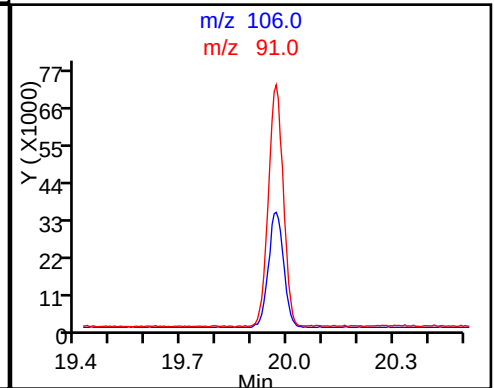
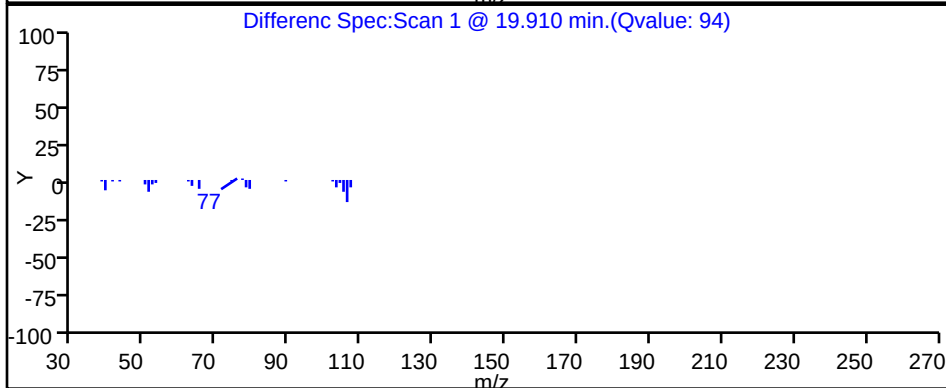
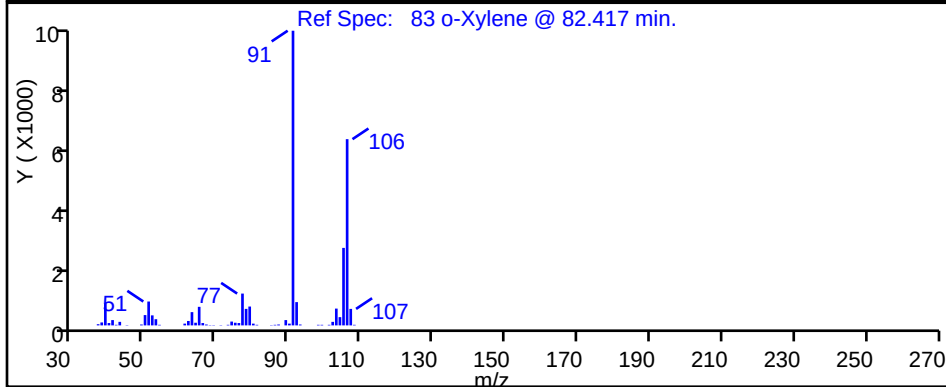
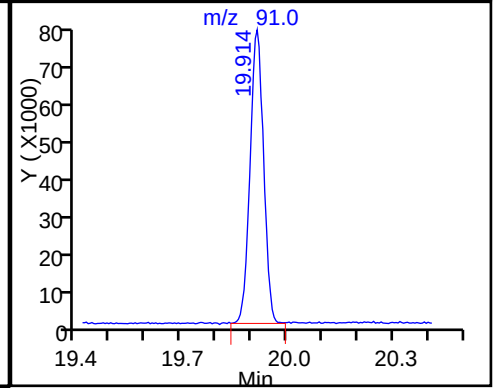
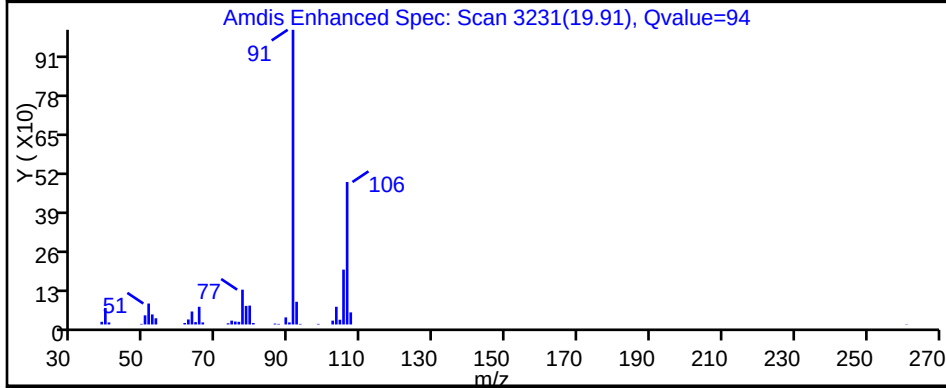
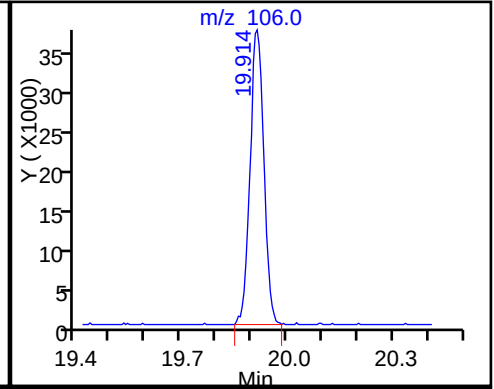
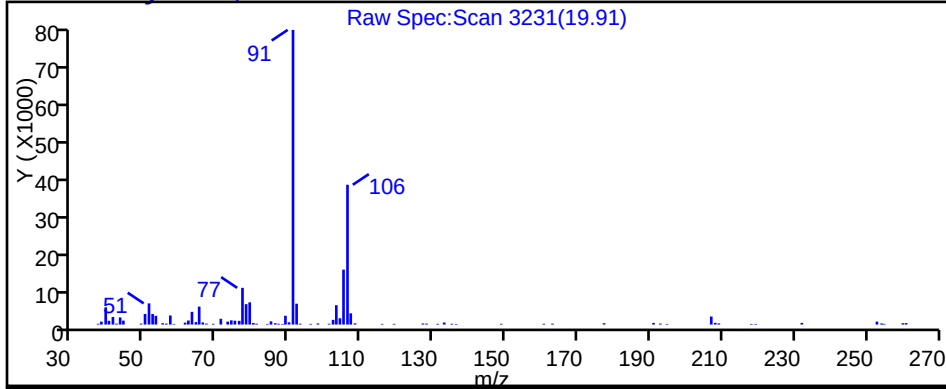
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D

Injection Date: 23-Jul-2014 02:57:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-21

Lab Sample ID: 200-64051-21

Client ID: AS Effluent 3Q14

Operator ID: pad

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

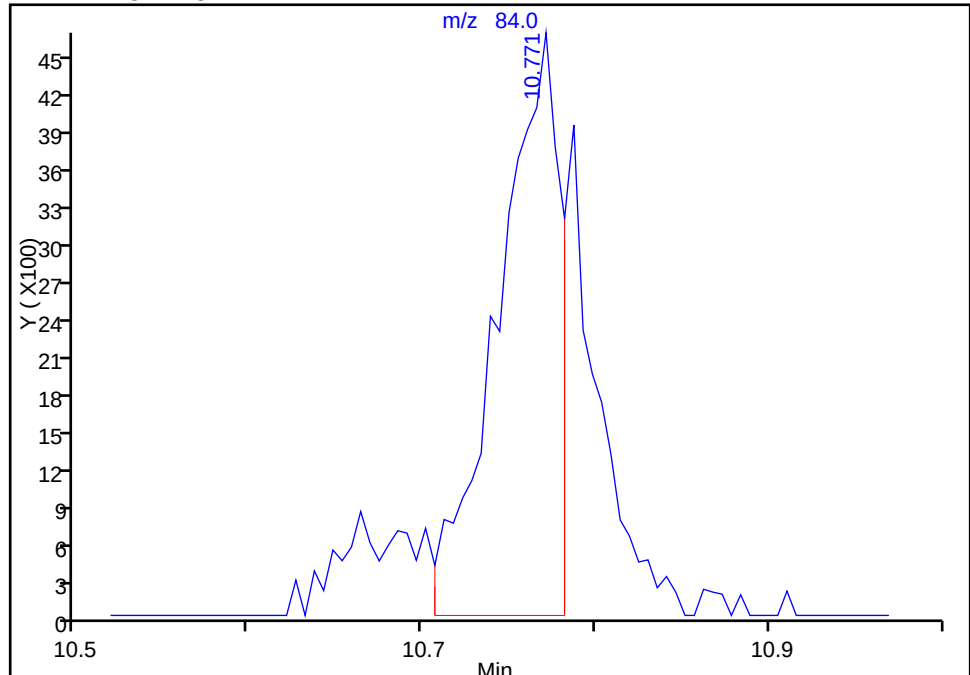
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

46 Cyclohexane, CAS: 110-82-7

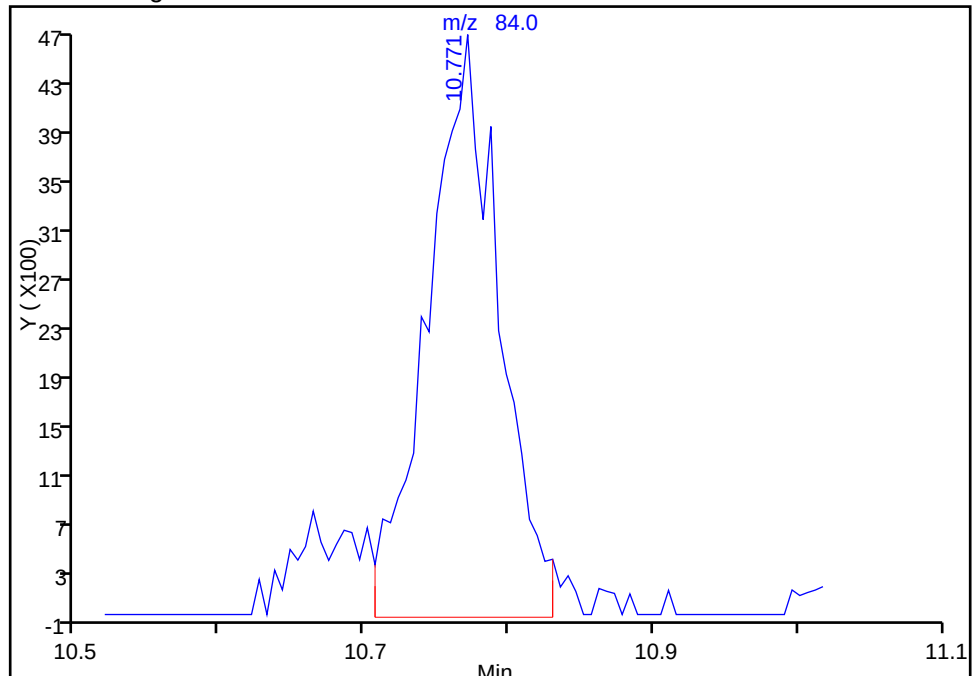
RT: 10.77
Response: 11746
Amount: 0.245631

Processing Integration Results



RT: 10.77
Response: 16253
Amount: 0.339881

Manual Integration Results



Reviewer: daiglep, 23-Jul-2014 12:02:03

Audit Action: Manually Integrated

Audit Reason: Baseline Event

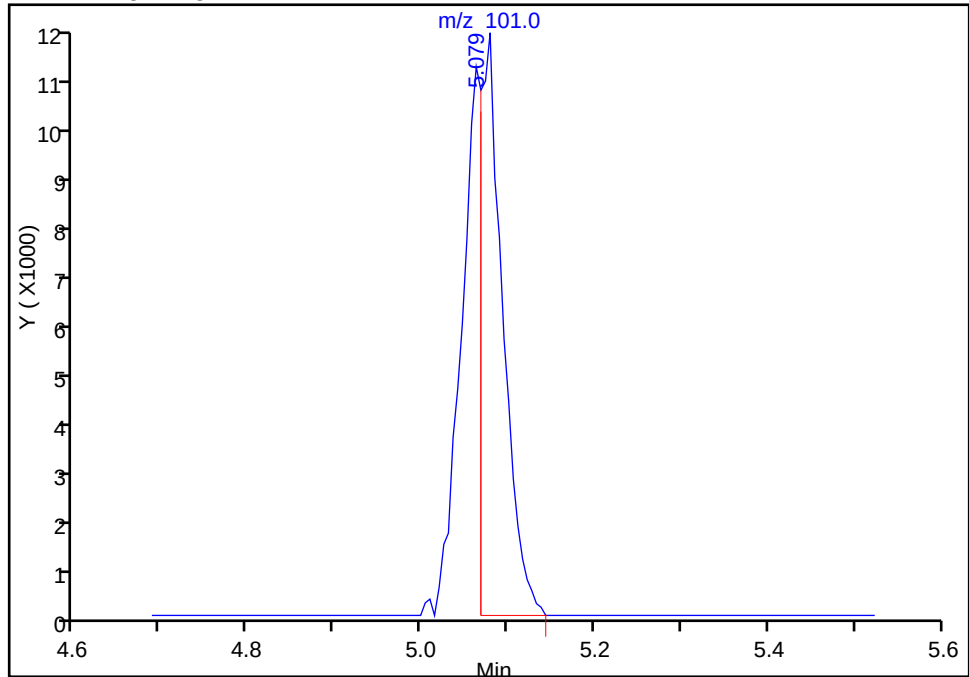
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_021.D		
Injection Date:	23-Jul-2014 02:57:30	Instrument ID:	CHG.i
Lims ID:	480-64051-A-21	Lab Sample ID:	200-64051-21
Client ID:	AS Effluent 3Q14		
Operator ID:	pad	ALS Bottle#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	21

17 Trichlorofluoromethane, CAS: 75-69-4

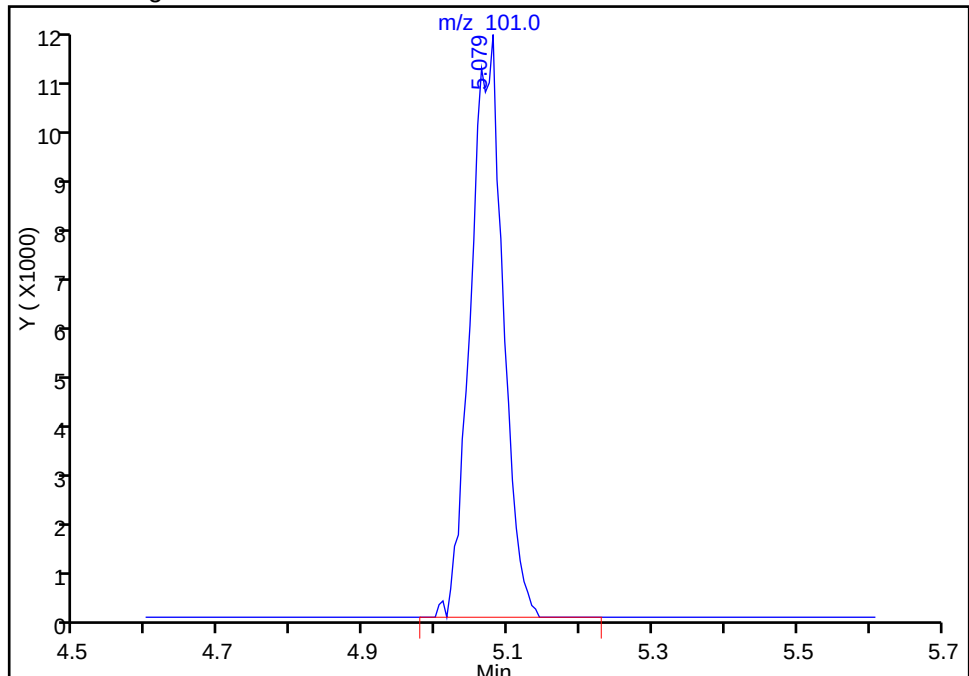
RT: 5.08
Response: 20465
Amount: 0.167717

Processing Integration Results



RT: 5.08
Response: 34827
Amount: 0.285419

Manual Integration Results



Reviewer: daiglep, 23-Jul-2014 12:02:03
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Client Sample ID: LRP Effluent 3Q14 Lab Sample ID: 480-64051-22

Matrix: Air Lab File ID: 8660_022.D

Analysis Method: TO-15 Date Collected: 07/17/2014 07:00

Sample wt/vol: 36(mL) Date Analyzed: 07/23/2014 03:48

Soil Aliquot Vol: _____ Dilution Factor: 186

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

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

Analysis Batch No.: 75167 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	ND		37	37
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		37	37
79-00-5	1,1,2-Trichloroethane	133.41	ND		37	37
75-34-3	1,1-Dichloroethane	98.96	66		37	37
75-35-4	1,1-Dichloroethene	96.94	ND		37	37
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		93	93
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		37	37
106-93-4	1,2-Dibromoethane	187.87	ND		37	37
95-50-1	1,2-Dichlorobenzene	147.00	ND		37	37
107-06-2	1,2-Dichloroethane	98.96	ND		37	37
540-59-0	1,2-Dichloroethene, Total	96.94	2700		37	37
78-87-5	1,2-Dichloropropane	112.99	ND		37	37
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		37	37
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		37	37
106-99-0	1,3-Butadiene	54.09	ND		37	37
541-73-1	1,3-Dichlorobenzene	147.00	ND		37	37
106-46-7	1,4-Dichlorobenzene	147.00	ND		37	37
123-91-1	1,4-Dioxane	88.11	ND		930	930
540-84-1	2,2,4-Trimethylpentane	114.23	ND		37	37
95-49-8	2-Chlorotoluene	126.59	ND		37	37
107-05-1	3-Chloropropene	76.53	ND		93	93
622-96-8	4-Ethyltoluene	120.20	ND		37	37
67-64-1	Acetone	58.08	ND		930	930
71-43-2	Benzene	78.11	ND		37	37
75-27-4	Bromodichloromethane	163.83	ND		37	37
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		37	37
75-25-2	Bromoform	252.75	ND		37	37
74-83-9	Bromomethane	94.94	ND		37	37
75-15-0	Carbon disulfide	76.14	ND		93	93
56-23-5	Carbon tetrachloride	153.81	ND		37	37
108-90-7	Chlorobenzene	112.56	ND		37	37
75-00-3	Chloroethane	64.52	ND		93	93
67-66-3	Chloroform	119.38	ND		37	37

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Client Sample ID: LRP Effluent 3Q14 Lab Sample ID: 480-64051-22

Matrix: Air Lab File ID: 8660_022.D

Analysis Method: TO-15 Date Collected: 07/17/2014 07:00

Sample wt/vol: 36(mL) Date Analyzed: 07/23/2014 03:48

Soil Aliquot Vol: _____ Dilution Factor: 186

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

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

Analysis Batch No.: 75167 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	ND		93	93
156-59-2	cis-1,2-Dichloroethene	96.94	2700		37	37
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		37	37
110-82-7	Cyclohexane	84.16	ND		37	37
124-48-1	Dibromochloromethane	208.29	ND		37	37
75-71-8	Dichlorodifluoromethane	120.91	ND		93	93
100-41-4	Ethylbenzene	106.17	ND		37	37
76-13-1	Freon TF	187.38	ND		37	37
87-68-3	Hexachlorobutadiene	260.76	ND		37	37
67-63-0	Isopropyl alcohol	60.10	ND		930	930
179601-23-1	m,p-Xylene	106.17	ND		93	93
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		93	93
78-93-3	Methyl Ethyl Ketone	72.11	ND		93	93
108-10-1	methyl isobutyl ketone	100.16	ND		93	93
1634-04-4	Methyl tert-butyl ether	88.15	ND		37	37
75-09-2	Methylene Chloride	84.93	ND		93	93
142-82-5	n-Heptane	100.21	ND		37	37
110-54-3	n-Hexane	86.17	ND		37	37
100-42-5	Styrene	104.15	ND		37	37
75-65-0	tert-Butyl alcohol	74.12	ND		930	930
127-18-4	Tetrachloroethene	165.83	ND		37	37
109-99-9	Tetrahydrofuran	72.11	ND		930	930
108-88-3	Toluene	92.14	ND		37	37
156-60-5	trans-1,2-Dichloroethene	96.94	ND		37	37
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		37	37
79-01-6	Trichloroethene	131.39	4800		37	37
75-69-4	Trichlorofluoromethane	137.37	ND		37	37
75-01-4	Vinyl chloride	62.50	230		37	37
1330-20-7	Xylene (total)	106.17	ND		37	37
95-47-6	Xylene, o-	106.17	ND		37	37

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Client Sample ID: LRP Effluent 3Q14 Lab Sample ID: 480-64051-22

Matrix: Air Lab File ID: 8660_022.D

Analysis Method: TO-15 Date Collected: 07/17/2014 07:00

Sample wt/vol: 36(mL) Date Analyzed: 07/23/2014 03:48

Soil Aliquot Vol: _____ Dilution Factor: 186

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

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

Analysis Batch No.: 75167 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	ND		200	200
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		260	260
79-00-5	1,1,2-Trichloroethane	133.41	ND		200	200
75-34-3	1,1-Dichloroethane	98.96	270		150	150
75-35-4	1,1-Dichloroethene	96.94	ND		150	150
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		690	690
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		180	180
106-93-4	1,2-Dibromoethane	187.87	ND		290	290
95-50-1	1,2-Dichlorobenzene	147.00	ND		220	220
107-06-2	1,2-Dichloroethane	98.96	ND		150	150
540-59-0	1,2-Dichloroethene, Total	96.94	11000		150	150
78-87-5	1,2-Dichloropropane	112.99	ND		170	170
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		260	260
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		180	180
106-99-0	1,3-Butadiene	54.09	ND		82	82
541-73-1	1,3-Dichlorobenzene	147.00	ND		220	220
106-46-7	1,4-Dichlorobenzene	147.00	ND		220	220
123-91-1	1,4-Dioxane	88.11	ND		3400	3400
540-84-1	2,2,4-Trimethylpentane	114.23	ND		170	170
95-49-8	2-Chlorotoluene	126.59	ND		190	190
107-05-1	3-Chloropropene	76.53	ND		290	290
622-96-8	4-Ethyltoluene	120.20	ND		180	180
67-64-1	Acetone	58.08	ND		2200	2200
71-43-2	Benzene	78.11	ND		120	120
75-27-4	Bromodichloromethane	163.83	ND		250	250
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		160	160
75-25-2	Bromoform	252.75	ND		380	380
74-83-9	Bromomethane	94.94	ND		140	140
75-15-0	Carbon disulfide	76.14	ND		290	290
56-23-5	Carbon tetrachloride	153.81	ND		230	230
108-90-7	Chlorobenzene	112.56	ND		170	170
75-00-3	Chloroethane	64.52	ND		250	250
67-66-3	Chloroform	119.38	ND		180	180

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Client Sample ID: LRP Effluent 3Q14 Lab Sample ID: 480-64051-22

Matrix: Air Lab File ID: 8660_022.D

Analysis Method: TO-15 Date Collected: 07/17/2014 07:00

Sample wt/vol: 36(mL) Date Analyzed: 07/23/2014 03:48

Soil Aliquot Vol: _____ Dilution Factor: 186

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

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

Analysis Batch No.: 75167 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	ND		190	190
156-59-2	cis-1,2-Dichloroethene	96.94	11000		150	150
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		170	170
110-82-7	Cyclohexane	84.16	ND		130	130
124-48-1	Dibromochloromethane	208.29	ND		320	320
75-71-8	Dichlorodifluoromethane	120.91	ND		460	460
100-41-4	Ethylbenzene	106.17	ND		160	160
76-13-1	Freon TF	187.38	ND		290	290
87-68-3	Hexachlorobutadiene	260.76	ND		400	400
67-63-0	Isopropyl alcohol	60.10	ND		2300	2300
179601-23-1	m,p-Xylene	106.17	ND		400	400
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		380	380
78-93-3	Methyl Ethyl Ketone	72.11	ND		270	270
108-10-1	methyl isobutyl ketone	100.16	ND		380	380
1634-04-4	Methyl tert-butyl ether	88.15	ND		130	130
75-09-2	Methylene Chloride	84.93	ND		320	320
142-82-5	n-Heptane	100.21	ND		150	150
110-54-3	n-Hexane	86.17	ND		130	130
100-42-5	Styrene	104.15	ND		160	160
75-65-0	tert-Butyl alcohol	74.12	ND		2800	2800
127-18-4	Tetrachloroethene	165.83	ND		250	250
109-99-9	Tetrahydrofuran	72.11	ND		2700	2700
108-88-3	Toluene	92.14	ND		140	140
156-60-5	trans-1,2-Dichloroethene	96.94	ND		150	150
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		170	170
79-01-6	Trichloroethene	131.39	26000		200	200
75-69-4	Trichlorofluoromethane	137.37	ND		210	210
75-01-4	Vinyl chloride	62.50	590		95	95
1330-20-7	Xylene (total)	106.17	ND		160	160
95-47-6	Xylene, o-	106.17	ND		160	160

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_022.D
 Lims ID: 480-64051-A-22 Lab Sample ID: 200-64051-22
 Client ID: LRP Effluent 3Q14
 Sample Type: Client
 Inject. Date: 23-Jul-2014 03:48:30 ALS Bottle#: 21 Worklist Smp#: 22
 Purge Vol: 200.000 mL Dil. Factor: 186.0000
 Sample Info: 200-0008660-022
 Misc. Info.: 64051-22
 Operator ID: pad Instrument ID: CHG.i
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\TO15_LLNJ_TO3_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jul-2014 12:23:50 Calib Date: 02-Jul-2014 22:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: daiglep

Date: 23-Jul-2014 12:03:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		2.827				ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105				ND	
8 Chloromethane	50		3.244				ND	
10 Vinyl chloride	62	3.501	3.496	0.005	99	39361	1.23	
11 Butadiene	54		3.576				ND	
12 Bromomethane	94		4.293				ND	
14 Chloroethane	64	4.539	4.550	-0.011	25	944	0.0853	
16 Vinyl bromide	106		4.962				ND	
17 Trichlorofluoromethane	101		5.074				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.230				ND	
24 1,1-Dichloroethene	96	6.267	6.262	0.005	90	5345	0.1424	
25 Acetone	43		6.540				ND	
26 Carbon disulfide	76		6.647				ND	
27 Isopropyl alcohol	45		6.866				ND	
29 3-Chloro-1-propene	41		7.107				ND	
31 Methylene Chloride	49		7.423				ND	
32 2-Methyl-2-propanol	59		7.679				ND	
33 Methyl tert-butyl ether	73		7.840				ND	
34 trans-1,2-Dichloroethene	61		7.872				ND	
36 Hexane	57		8.273				ND	
37 1,1-Dichloroethane	63	8.781	8.787	-0.006	98	21282	0.3550	
39 cis-1,2-Dichloroethene	96	9.931	9.937	-0.006	91	803767	14.7	
40 2-Butanone (MEK)	72		10.006				ND	
S 41 1,2-Dichloroethene, Total	61				0		14.7	
44 Tetrahydrofuran	42		10.397				ND	
* 43 Chlorobromomethane	128	10.408	10.408	0.000	68	627290	10.0	
45 Chloroform	83		10.557				ND	
46 Cyclohexane	84		10.771				ND	
47 1,1,1-Trichloroethane	97	10.814	10.814	0.000	94	13866	0.1094	
48 Carbon tetrachloride	117		11.060				ND	
51 Isooctane	57		11.515				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
50 Benzene	78		11.547				ND	
52 1,2-Dichloroethane	62		11.745				ND	
53 n-Heptane	43		11.922				ND	
* 54 1,4-Difluorobenzene	114	12.414	12.419	-0.005	91	3452396	10.0	
56 Trichloroethene	95	12.868	12.869	-0.001	95	2827615	25.6	
58 1,2-Dichloropropane	63		13.446				ND	
60 1,4-Dioxane	88		13.676				ND	
62 Dichlorobromomethane	83		14.019				ND	
64 cis-1,3-Dichloropropene	75		15.003				ND	
65 4-Methyl-2-pentanone (MIBK)	43		15.313				ND	
66 Toluene	92	15.607	15.608	-0.001	94	14268	0.0874	
70 trans-1,3-Dichloropropene	75		16.244				ND	
71 1,1,2-Trichloroethane	83		16.629				ND	
72 Tetrachloroethene	166		16.715				ND	
73 2-Hexanone	43		17.100				ND	
74 Chlorodibromomethane	129		17.400				ND	
75 Ethylene Dibromide	107		17.678				ND	
* 76 Chlorobenzene-d5	117	18.587	18.587	0.000	82	3564836	10.0	
77 Chlorobenzene	112		18.652				ND	
78 Ethylbenzene	91	18.823	18.812	0.011	1	1386	0.004066	
80 m-Xylene & p-Xylene	106	19.063	19.064	-0.001	7	1000	0.006718	
83 o-Xylene	106		19.914				ND	
84 Styrene	104		19.968				ND	
S 82 Xylenes, Total	106				0		0.006718	
85 Bromoform	173		20.390				ND	
* 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	98	2298867	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.252				ND	
91 4-Ethyltoluene	105		21.508				ND	
92 2-Chlorotoluene	91		21.514				ND	
94 1,3,5-Trimethylbenzene	105		21.615				ND	
97 1,2,4-Trimethylbenzene	105		22.193				ND	
100 1,3-Dichlorobenzene	146		22.648				ND	
101 1,4-Dichlorobenzene	146		22.782				ND	
105 1,2-Dichlorobenzene	146		23.317				ND	
107 1,2,4-Trichlorobenzene	180		25.804				ND	
108 Hexachlorobutadiene	225		25.986				ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

ATTO15GIS_00009

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_022.D

Injection Date: 23-Jul-2014 03:48:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: 480-64051-A-22

Lab Sample ID: 200-64051-22

Worklist Smp#: 22

Client ID: LRP Effluent 3Q14

Purge Vol: 200.000 mL

Dil. Factor: 186.0000

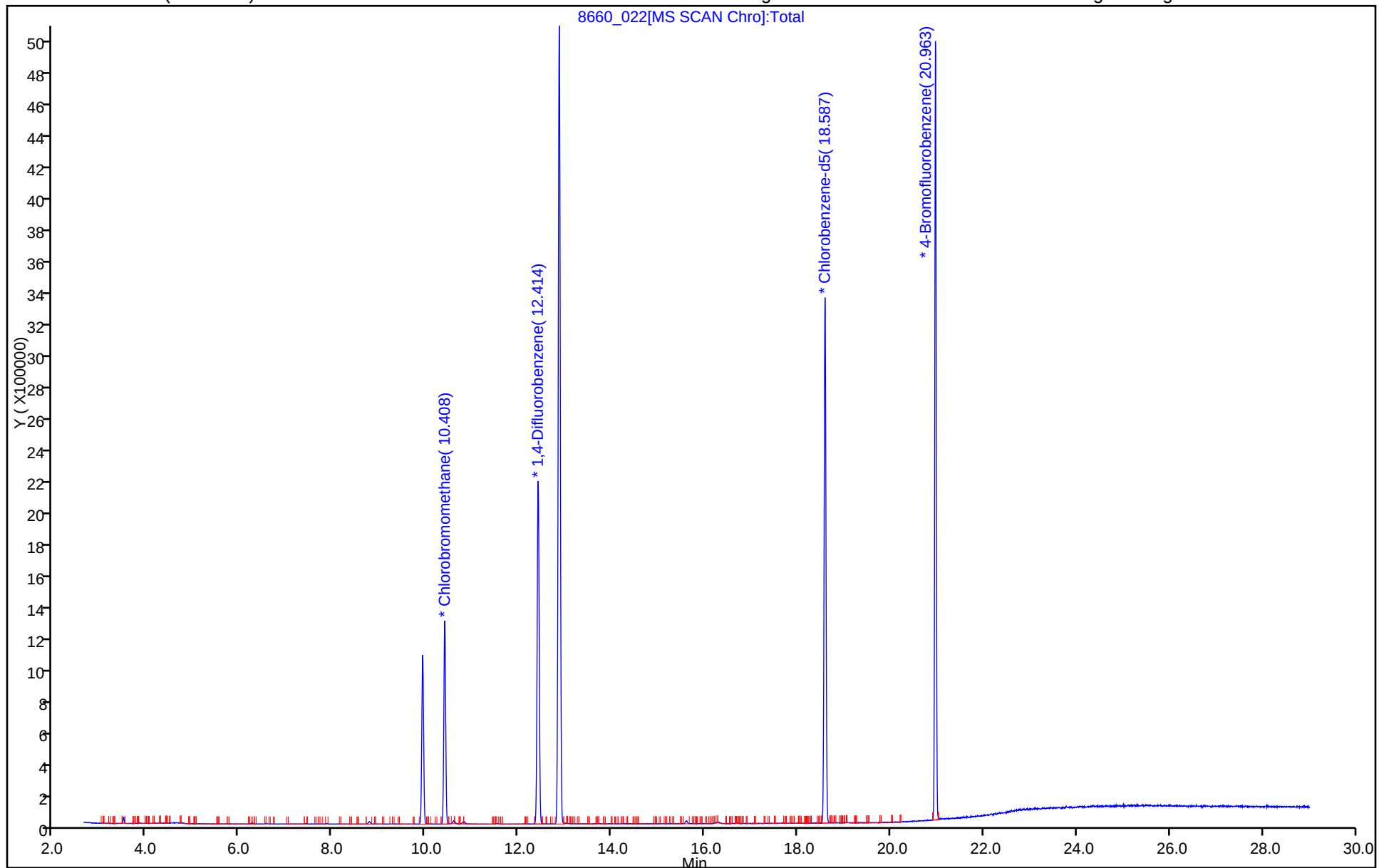
ALS Bottle#: 21

Method: TO15_LL NJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_022.D

Injection Date: 23-Jul-2014 03:48:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-22

Lab Sample ID: 200-64051-22

Client ID: LRP Effluent 3Q14

Operator ID: pad

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 200.000 mL

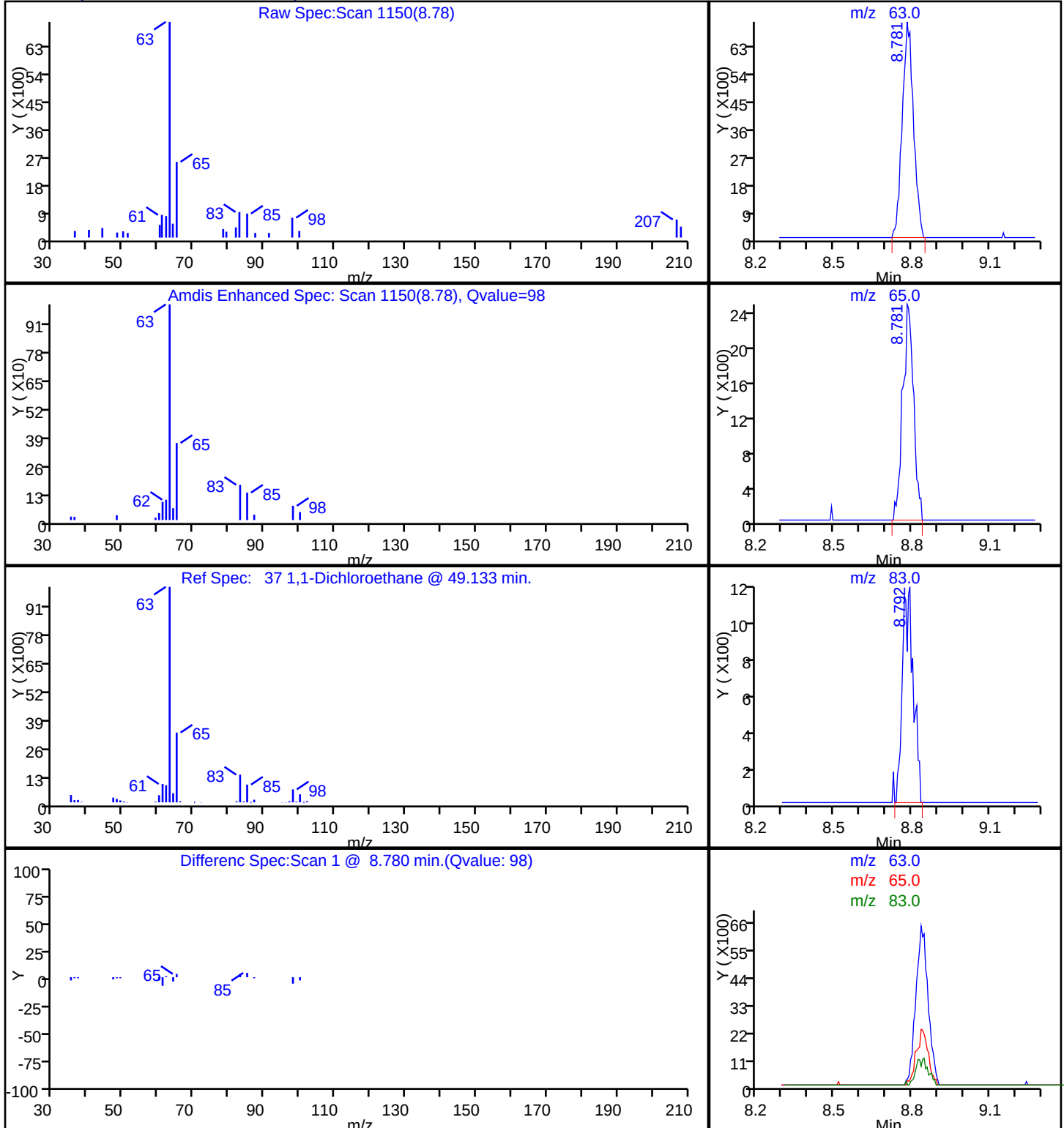
Dil. Factor: 186.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

37 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_022.D

Injection Date: 23-Jul-2014 03:48:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-22

Lab Sample ID: 200-64051-22

Client ID: LRP Effluent 3Q14

Operator ID: pad

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 200.000 mL

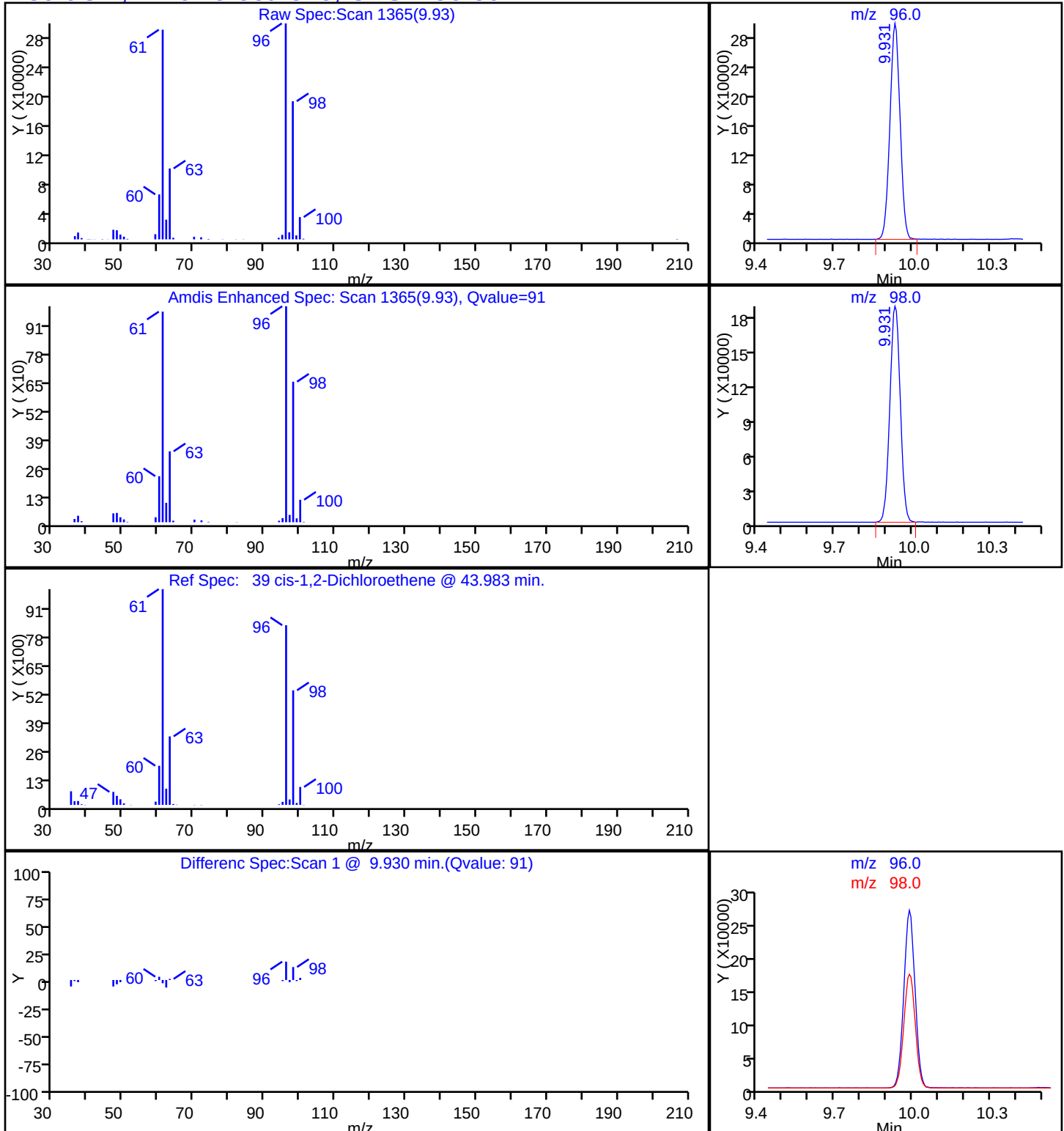
Dil. Factor: 186.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_022.D

Injection Date: 23-Jul-2014 03:48:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-22

Lab Sample ID: 200-64051-22

Client ID: LRP Effluent 3Q14

Operator ID: pad

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 200.000 mL

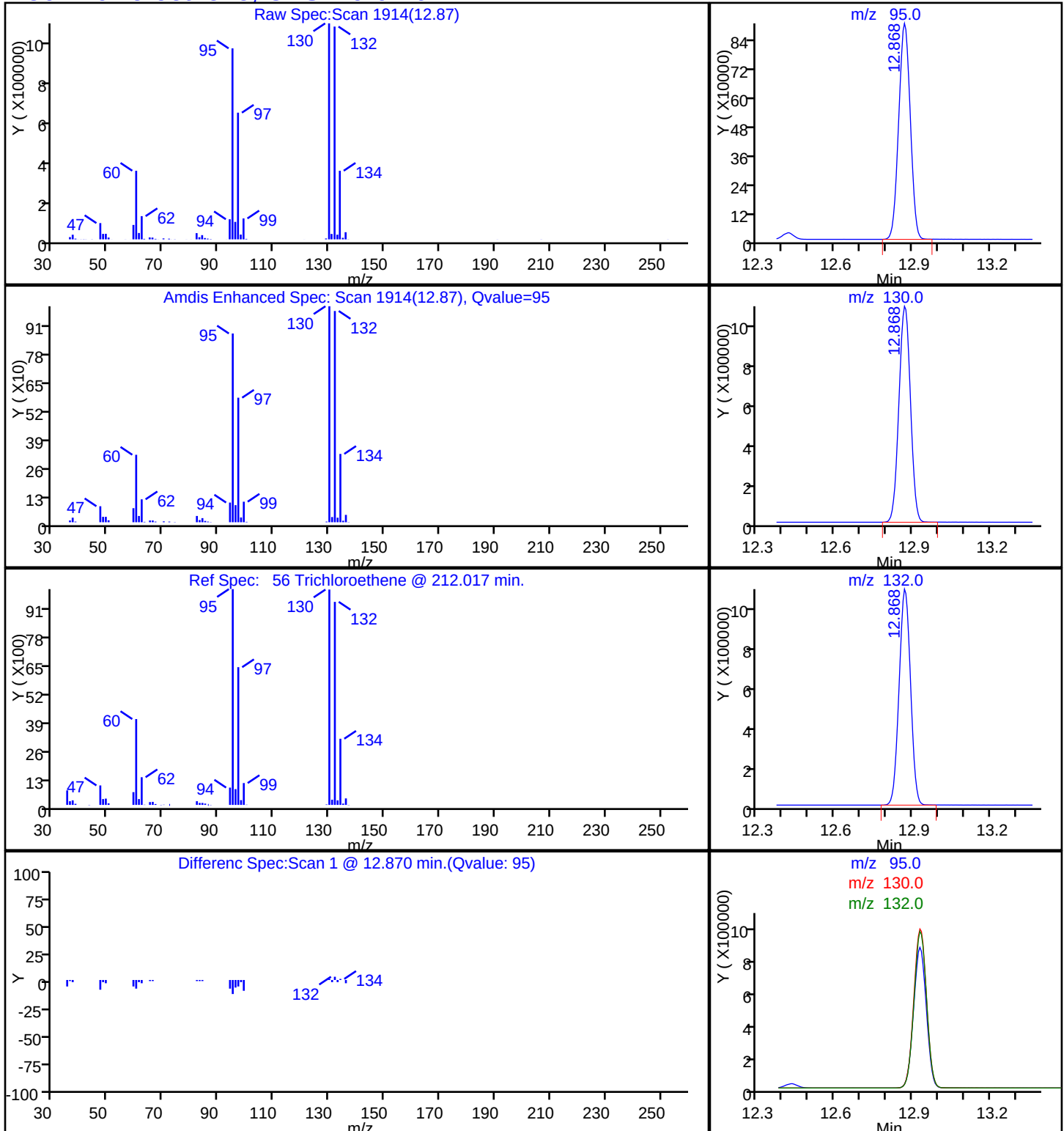
Dil. Factor: 186.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

56 Trichloroethene, CAS: 79-01-6

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_022.D

Injection Date: 23-Jul-2014 03:48:30

Instrument ID: CHG.i

Lims ID: 480-64051-A-22

Lab Sample ID: 200-64051-22

Client ID: LRP Effluent 3Q14

Operator ID: pad

ALS Bottle#: 21

Worklist Smp#: 22

Purge Vol: 200.000 mL

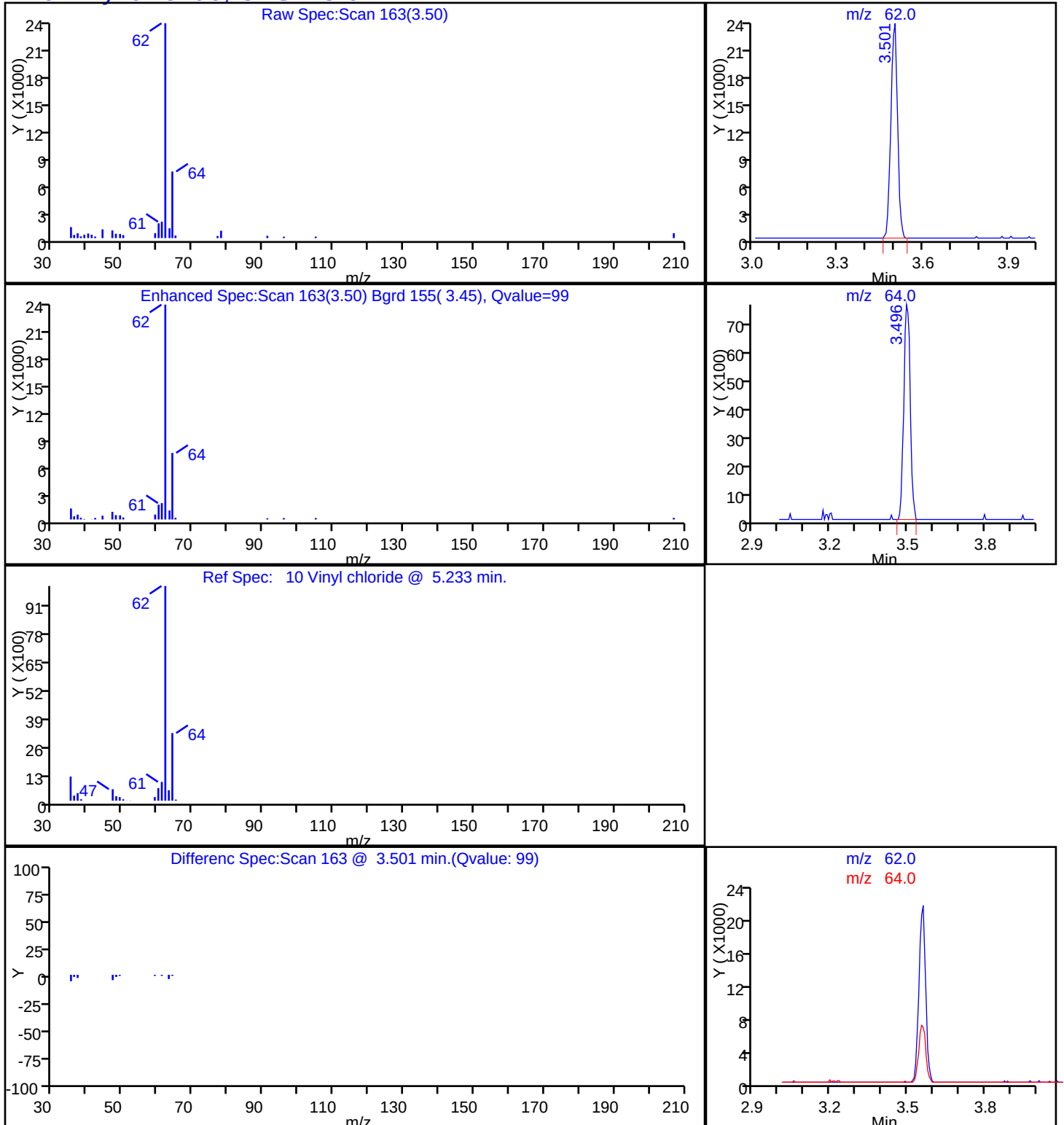
Dil. Factor: 186.0000

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

10 Vinyl chloride, CAS: 75-01-4

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1 Analy Batch No.: 74492

SDG No.: _____

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-74492/3	8394_003.D
Level 2	IC 200-74492/4	8394_004.D
Level 3	IC 200-74492/5	8394_005.D
Level 4	IC 200-74492/6	8394_006.D
Level 5	ICIS 200-74492/7	8394_007.D
Level 6	IC 200-74492/8	8394_008.D
Level 7	IC 200-74492/9	8394_009.D
Level 8	IC 200-74492/10	8394_010.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	++++ 0.2221	++++ 0.2215	0.2768 0.2077	0.2438	0.2310	Ave		0.2338				10.0		30.0			
Dichlorodifluoromethane	++++ 1.8362	++++ 1.8186	2.0429 1.6439	2.0002	1.8861	Ave		1.8713				7.6		30.0			
Freon 22	++++ 0.6990	++++ 0.6988	0.7730 0.6423	0.7845	0.7217	Ave		0.7199				7.3		30.0			
1,2-Dichlorotetrafluoroethane	++++ 1.5484	1.8886 1.5238	1.7738 1.3774	1.7231	1.6006	Ave		1.6337				11.0		30.0			
Chloromethane	++++ 0.3486	++++ 0.3462	0.3926 0.3266	0.3826	0.3588	Ave		0.3592				6.8		30.0			
n-Butane	++++ 0.4296	++++ 0.4310	0.5139 0.3995	0.4844	0.4446	Ave		0.4505				9.2		30.0			
Vinyl chloride	0.6601 0.4622	0.5456 0.4627	0.5177 0.4337	0.5132	0.4752	Ave		0.5088				14.0		30.0			
1,3-Butadiene	++++ 0.2812	0.3467 0.2807	0.3205 0.2616	0.3095	0.2877	Ave		0.2983				9.7		30.0			
Bromomethane	++++ 0.6697	0.8043 0.6713	0.7225 0.6224	0.7255	0.6845	Ave		0.7000				8.3		30.0			
Chloroethane	++++ 0.1712	++++ 0.1722	0.1948 0.1631	0.1827	0.1740	Ave		0.1763				6.2		30.0			
Isopentane	++++ 0.2618	0.3163 0.2589	0.2983 0.2438	0.2881	0.2693	Ave		0.2766				9.1		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.8023	0.8782 0.7973	0.8322 0.7483	0.8588	0.8108	Ave		0.8183				5.3		30.0			
Trichlorofluoromethane	++++ 2.0092	2.3216 1.9991	2.2060 1.8584	2.1850	2.0592	Ave		2.0912				7.4		30.0			
n-Pentane	++++ 0.4409	++++ 0.4386	0.5323 0.4134	0.4930	0.4573	Ave		0.4626				9.3		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.: 480-64051-1 Analy Batch No.: 74492

SDG No.: _____

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.0987	+++++ 0.1196	0.1151 0.1036	0.1274	0.1017	Ave		0.1110				10.0		30.0			
Ethyl ether	+++++ 0.2305	0.2659 0.2333	0.2601 0.2205	0.2498	0.2387	Ave		0.2427				6.8		30.0			
Acrolein	+++++ 0.0991	+++++ 0.1051	+++++ 0.0901	0.1220	0.1018	Ave		0.1036				11.0		30.0			
Freon TF	+++++ 1.3183	1.4910 1.3097	1.4796 1.1963	1.4444	1.3595	Ave		1.3713				7.8		30.0			
1,1-Dichloroethene	+++++ 0.5667	0.6742 0.5674	0.6484 0.5215	0.6246	0.5873	Ave		0.5986				8.9		30.0			
Acetone	+++++ 0.4862	+++++ 0.4611	+++++ 0.4603	0.5204	0.5237	Ave		0.4904				6.3		30.0			
Carbon disulfide	+++++ 1.4275	+++++ 1.4350	2.1250 1.3500	1.5477	1.4619	Ave		1.5579				18.0		30.0			
Isopropyl alcohol	+++++ 0.4118	+++++ 0.3931	+++++ 0.4000	0.3944	0.4445	Ave		0.4088				5.2		30.0			
3-Chloropropene	+++++ 0.3514	0.4598 0.3588	0.4202 0.3342	0.3917	0.3585	Ave		0.3821				12.0		30.0			
Acetonitrile	+++++ 0.1938	+++++ 0.1858	+++++ 0.1858	0.2076	0.1982	Ave		0.1943				4.7		30.0			
Methylene Chloride	+++++ 0.4168	+++++ 0.4128	0.5094 0.3871	0.4633	0.4255	Ave		0.4358				10.0		30.0			
tert-Butyl alcohol	+++++ 0.7681	+++++ 0.7320	+++++ 0.7502	0.7194	0.8165	Ave		0.7572				5.0		30.0			
Methyl tert-butyl ether	+++++ 1.3262	1.4734 1.3303	1.4324 1.2467	1.4244	1.3454	Ave		1.3684				5.7		30.0			
trans-1,2-Dichloroethene	+++++ 0.6233	0.7348 0.6191	0.6746 0.5723	0.6828	0.6355	Ave		0.6489				8.2		30.0			
Acrylonitrile	+++++ 0.2364	+++++ 0.2363	0.2392 0.2266	0.2499	0.2392	Ave		0.2379				3.1		30.0			
n-Hexane	+++++ 0.4789	0.6062 0.4714	0.5187 0.4468	0.5137	0.4845	Ave		0.5029				10.0		30.0			
1,1-Dichloroethane	1.2649 0.8878	0.9770 0.8886	0.9375 0.8401	0.9476	0.9024	Ave		0.9557				14.0		30.0			
Vinyl acetate	+++++ 0.8599	+++++ 0.8687	+++++ 0.8131	0.9352	0.8681	Ave		0.8690				5.0		30.0			
cis-1,2-Dichloroethene	+++++ 0.8446	0.9592 0.8444	0.9232 0.7893	0.9063	0.8491	Ave		0.8737				6.7		30.0			
Methyl Ethyl Ketone	+++++ 0.2558	+++++ 0.2515	+++++ 0.2423	0.2812	0.2642	Ave		0.2683				9.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1 Analy Batch No.: 74492

SDG No.: _____

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0404	+++++ 0.0397	+++++ 0.0374	0.0421	0.0399	Ave		0.0399				4.2		30.0			
Tetrahydrofuran	+++++ 0.0671	+++++ 0.0658	+++++ 0.0622	0.0747	0.0689	Ave		0.0677				6.8		30.0			
Chloroform	+++++ 1.7444	1.9658 1.7493	1.8747 1.6206	1.8887	1.7845	Ave		1.8040				6.4		30.0			
Cyclohexane	+++++ 0.1514	0.1814 0.1503	0.1666 0.1384	0.1713	0.1566	Ave		0.1594				9.1		30.0			
1,1,1-Trichloroethane	+++++ 0.3517	0.4009 0.3481	0.3910 0.3205	0.3979	0.3592	Ave		0.3670				8.2		30.0			
Carbon tetrachloride	0.6067 0.4643	0.5130 0.4605	0.4953 0.4255	0.5177	0.4730	Ave		0.4945				11.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.4623	0.5469 0.4522	0.5208 0.4044	0.5373	0.4805	Ave		0.4864				11.0		30.0			
Benzene	+++++ 0.4083	0.5395 0.4003	0.4882 0.3595	0.4769	0.4229	Ave		0.4422				14.0		30.0			
1,2-Dichloroethane	+++++ 0.2003	0.2247 0.1987	0.2174 0.1863	0.2255	0.2046	Ave		0.2082				7.1		30.0			
n-Heptane	+++++ 0.1502	0.1873 0.1469	0.1771 0.1315	0.1762	0.1562	Ave		0.1608				12.0		30.0			
n-Butanol	+++++ 0.0604	+++++ 0.0622	+++++ 0.0557	0.0643	0.0681	Ave		0.0621				7.4		30.0			
Trichloroethene	0.4193 0.2918	0.3449 0.2858	0.3289 0.2559	0.3312	0.3007	Ave		0.3198				15.0		30.0			
1,2-Dichloropropane	+++++ 0.1978	0.2165 0.1956	0.2086 0.1778	0.2185	0.2019	Ave		0.2024				6.9		30.0			
Methyl methacrylate	+++++ 0.1819	+++++ 0.1791	+++++ 0.1628	0.1951	0.1838	Ave		0.1806				5.8		30.0			
1,4-Dioxane	+++++ 0.0986	+++++ 0.0907	+++++ 0.0851	0.1047	0.1063	Ave		0.0971				9.4		30.0			
Dibromomethane	+++++ 0.4443	0.4962 0.4427	0.4663 0.4054	0.4896	0.4493	Ave		0.4563				6.8		30.0			
Bromodichloromethane	+++++ 0.5574	0.5765 0.5567	0.5552 0.5111	0.6097	0.5633	Ave		0.5614				5.2		30.0			
cis-1,3-Dichloropropene	+++++ 0.3980	0.4173 0.3954	0.3526 0.3638	0.4404	0.4022	Ave		0.3957				7.6		30.0			
methyl isobutyl ketone	+++++ 0.3252	+++++ 0.3168	0.4373 0.2861	0.3678	0.3349	Ave		0.3447				15.0		30.0			
Toluene	+++++ 0.4491	0.4762 0.4404	0.4389 0.3901	0.5498	0.4594	Ave		0.4577				11.0		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1 Analy Batch No.: 74492

SDG No.: _____

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

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	++++ 0.3103	0.3415 0.2989	0.3209 0.2534	0.3742	0.3255	Ave		0.3178				12.0		30.0			
trans-1,3-Dichloropropene	++++ 0.4187	0.3935 0.4149	0.3695 0.3826	0.4620	0.4232	Ave		0.4092				7.5		30.0			
1,1,2-Trichloroethane	++++ 0.2426	0.2379 0.2333	0.2292 0.2186	0.2903	0.2494	Ave		0.2430				9.5		30.0			
Tetrachloroethene	0.8181 0.5641	0.6107 0.5679	0.5901 0.5297	0.6613	0.5686	Ave		0.6138				15.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.2726	++++ 0.2649	0.3717 0.2350	0.3310	0.2795	Ave		0.2925				17.0		30.0			
Dibromochloromethane	++++ 0.7088	0.6270 0.7096	0.6138 0.6615	0.8165	0.7150	Ave		0.6932				9.8		30.0			
1,2-Dibromoethane	++++ 0.5404	0.5102 0.5332	0.5058 0.4895	0.6468	0.5498	Ave		0.5394				9.6		30.0			
Chlorobenzene	++++ 0.7118	0.7728 0.7032	0.7156 0.6441	0.8542	0.7251	Ave		0.7324				9.0		30.0			
Ethylbenzene	++++ 0.9362	0.9724 0.9197	0.9445 0.7970	1.1578	0.9667	Ave		0.9563				11.0		30.0			
n-Nonane	++++ 0.3125	0.3313 0.3033	0.3111 0.2572	0.3997	0.3283	Ave		0.3205				13.0		30.0			
m,p-Xylene	++++ 0.4017	0.4385 0.3878	0.4161 0.3446	0.5094	0.4247	Ave		0.4175				12.0		30.0			
Xylene, o-	++++ 0.4352	0.4440 0.4259	0.4224 0.3727	0.5278	0.4474	Ave		0.4393				11.0		30.0			
Styrene	++++ 0.6066	0.6086 0.5709	0.5796 0.5099	0.7771	0.6564	Ave		0.6156				14.0		30.0			
Bromoform	++++ 0.8291	0.7182 0.8250	0.7223 0.7232	0.9577	0.8370	Ave		0.8018				11.0		30.0			
Cumene	++++ 1.1377	1.1948 1.1256	1.1393 0.9853	1.3881	1.1780	Ave		1.1641				10.0		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.5984	0.5894 0.5845	0.5777 0.5034	0.7399	0.6233	Ave		0.6024				12.0		30.0			
n-Propylbenzene	++++ 1.2687	1.3318 1.2360	1.3009 1.0280	1.5811	1.3209	Ave		1.2953				13.0		30.0			
1,2,3-Trichloropropane	++++ 0.4153	++++ 0.4023	0.4078 0.3519	0.5172	0.4307	Ave		0.4209				13.0		30.0			
n-Decane	++++ 0.3514	++++ 0.3219	0.3943 0.2365	0.4940	0.3884	Ave		0.3644				23.0		30.0			
4-Ethyltoluene	++++ 1.0451	1.1744 0.9738	1.1309 0.7304	1.3470	1.1150	Ave		1.0738				18.0		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1 Analy Batch No.: 74492

SDG No.: _____

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	++++ 0.8084	0.9412 0.7457	0.9127 0.5708	1.0740	0.8708	Ave		0.8462				19.0		30.0			
1,3,5-Trimethylbenzene	++++ 0.9300	0.9932 0.8773	0.9485 0.7714	1.1603	0.9817	Ave		0.9518				12.0		30.0			
Alpha Methyl Styrene	++++ 0.5417	0.5146 0.5172	0.5058 0.4577	0.6658	0.5754	Ave		0.5397				12.0		30.0			
tert-Butylbenzene	++++ 0.9034	1.0020 0.8529	0.9748 0.7730	1.1757	0.9871	Ave		0.9527				13.0		30.0			
1,2,4-Trimethylbenzene	++++ 0.8661	0.9903 0.8381	0.9690 0.7491	1.1797	0.9560	Ave		0.9355				15.0		30.0			
sec-Butylbenzene	++++ 1.2685	1.4460 1.1851	1.3826 0.9786	1.6963	1.3974	Ave		1.3363				17.0		30.0			
4-Isopropyltoluene	++++ 1.1355	1.2745 1.0666	1.2437 0.8878	1.5052	1.2534	Ave		1.1953				16.0		30.0			
1,3-Dichlorobenzene	++++ 0.7778	0.9271 0.7494	0.8746 0.6587	1.0399	0.8573	Ave		0.8407				15.0		30.0			
1,4-Dichlorobenzene	++++ 0.8728	0.9233 0.8340	0.8999 0.7106	1.0558	0.9022	Ave		0.8855				12.0		30.0			
Benzyl chloride	++++ 0.7124	0.7804 0.7916	0.7895 0.5995	1.0328	0.7770	Ave		0.7833				17.0		30.0			
n-Butylbenzene	++++ 0.8752	0.9875 0.8159	1.0158 0.6759	1.2360	1.0040	Ave		0.9443				19.0		30.0			
n-Undecane	++++ 0.3475	++++ 0.3218	++++ 0.2624	0.5403	0.3985	Ave		0.3741				28.0		30.0			
1,2-Dichlorobenzene	++++ 0.7735	0.8976 0.7449	0.8567 0.6672	1.0006	0.8479	Ave		0.8269				13.0		30.0			
n-Dodecane	++++ 0.2892	++++ 0.2959	++++ 0.2269	0.2546	0.2650	Ave		0.2663				10.0		30.0			
1,2,4-Trichlorobenzene	++++ 0.7595	++++ 0.7989	0.5140 0.6651	0.8390	0.7896	Ave		0.7277				16.0		30.0			
Hexachlorobutadiene	++++ 0.6853	0.4991 0.6750	0.6211 0.5690	0.8001	0.6927	Ave		0.6489				15.0		30.0			
Naphthalene	++++ 1.2656	++++ 1.4078	0.8152 1.0672	1.4045	1.4291	Ave		1.2316				20.0		30.0			
1,2,3-Trichlorobenzene	++++ 0.6653	0.0619 0.7211	0.2120 0.6060	0.6810	0.6687	Ave		0.5166				51.0	*	30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1 Analy Batch No.: 74492

SDG No.: _____

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-74492/3	8394_003.D
Level 2	IC 200-74492/4	8394_004.D
Level 3	IC 200-74492/5	8394_005.D
Level 4	IC 200-74492/6	8394_006.D
Level 5	ICIS 200-74492/7	8394_007.D
Level 6	IC 200-74492/8	8394_008.D
Level 7	IC 200-74492/9	8394_009.D
Level 8	IC 200-74492/10	8394_010.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	++++ 248238	++++ 334533	10181 629961	80328	170098	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 2052460	++++ 2746723	75136 4986750	659036	1388924	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 781362	++++ 1055477	28429 1948312	258482	531495	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1730831	++++ 2301387	27887 4178200	567744	1178683	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 389619	++++ 522865	14441 990675	126051	264186	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 480180	++++ 650927	18900 1211908	159615	327428	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1960 516605	8056 698882	19041 1315601	169108	349959	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	++++ 314284	++++ 423907	5120 793670	101988	211856	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 748619	++++ 1013830	11877 1887948	239046	504040	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 191365	++++ 260103	7164 494901	60213	128119	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 292654	++++ 391064	4671 739511	94913	198285	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 896832	++++ 1204122	12968 2269898	282960	597098	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 2245848	++++ 3019351	34281 5637436	719932	1516389	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 492875	++++ 662396	19578 1253971	162445	336759	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 147485	++++ 361264	42403 785938	84040	112410	++++ 20.0	++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1 Analy Batch No.: 74492

SDG No.: _____

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	++++ 257695	3926 352366	9565 668853	82304	175759	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 110757	++++ 158749	++++ 273249	40191	74954	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 1473574	22017 1978116	54420 3629111	475931	1001116	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	++++ 633456	9955 856937	23848 1581871	205789	432465	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 543463	++++ 696447	++++ 1396466	171477	385646	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 1595637	++++ 2167289	78156 4095371	509964	1076544	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 460324	++++ 593698	++++ 1213520	129962	327317	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 392816	6790 541845	15454 1013681	129047	263998	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 216661	++++ 280622	++++ 563737	68410	145956	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 465923	++++ 623529	18735 1174184	152647	313322	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 858559	++++ 1105577	++++ 2275587	237024	601255	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 1482379	21757 2009215	52683 3781742	469313	990784	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	++++ 696669	10851 935122	24810 1736064	224972	467993	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 264296	++++ 356881	8796 687328	82334	176110	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 535339	8951 711926	19077 1355462	169269	356751	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	3756 992349	14427 1342070	34482 2548548	312223	664527	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 961163	++++ 1311958	++++ 2466517	308138	639235	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	++++ 944053	14164 1275346	33954 2394412	298629	625255	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 285885	++++ 379857	11578 735076	92649	194570	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 45214	++++ 59932	++++ 113515	13862	29405	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	++++ 430719	++++ 576204	++++ 1106888	135743	290899	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1 Analy Batch No.: 74492

SDG No.: _____

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	++++ 1949887	29028 2641991	68952 4915950	622301	1314095	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	++++ 972806	15325 1316475	34830 2462409	311095	660836	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	++++ 2259124	33861 3048069	81720 5702131	722761	1515770	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	++++ 2982638	43332 4032530	103533 7570939	940346	1995966	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	++++ 2969645	46201 3960383	108865 7195316	975981	2027474	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	++++ 2622407	45568 3505680	102043 6395577	866366	1784486	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	++++ 1286886	18984 1739793	45451 3314147	409558	863241	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	++++ 964807	15822 1286239	37010 2340510	320065	659127	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	++++ 387928	++++ 544324	++++ 990577	116839	287275	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	7245 1874574	29130 2502989	68741 4552400	601665	1268564	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	++++ 1270840	18291 1712858	43604 3164014	396923	851826	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	++++ 1168433	++++ 1568102	37868 2895793	354345	775397	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	++++ 633593	++++ 794147	++++ 1513809	190151	448454	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	++++ 2853915	41918 3877032	97463 7212136	889445	1895687	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	++++ 3580395	48696 4874941	116055 9094120	1107576	2376718	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	++++ 2556635	35253 3462439	73709 6472768	800005	1696969	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	++++ 2088690	++++ 2774196	91397 5091128	668136	1412894	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	++++ 3405892	46684 4560578	106348 8223022	1091891	2285976	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	++++ 1993459	28850 2617124	67072 4508533	679811	1373381	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	++++ 2689208	33239 3633133	77239 6807440	839204	1785664	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	++++ 1839935	23326 2415800	55540 4606487	576495	1240809	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1 Analy Batch No.: 74492

SDG No.: _____

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

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	16530 4277622	59866 5881274	142977 11164328	1313294	2829359	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 2067147	++++ 2742915	90071 4954036	657345	1390936	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	++++ 5374683	61464 7347985	148726 13941233	1621516	3557458	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	++++ 4097725	50013 5520975	122566 10316660	1284392	2735727	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	++++ 5397449	75764 7281602	173403 13575617	1696224	3607841	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	++++ 7099201	95324 9524030	228858 16798557	2299201	4809938	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	++++ 2369525	32478 3141246	75385 5421533	793770	1633586	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	++++ 6092796	85973 8031951	201629 14527284	2023026	4226010	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	++++ 3299986	43531 4410067	102343 7856022	1048212	2225939	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	++++ 4600154	59660 5911640	140439 10747251	1543131	3266111	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	++++ 6287112	70403 8543463	175025 15242409	1901837	4164584	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	++++ 8627384	117124 11655853	276053 20767873	2756567	5861433	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 4538003	57781 6053126	139978 10610504	1469369	3101329	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	++++ 9620625	130557 12799413	315206 21665918	3139875	6572073	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	++++ 3149011	++++ 4165677	98823 7417500	1027053	2143237	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	++++ 2664452	++++ 3333113	95538 4985061	980994	1932680	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	++++ 7924974	115131 10084016	274011 15395459	2674878	5547856	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	++++ 6130377	92271 7722128	221154 12029937	2132794	4332664	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 7052115	97367 9084821	229822 16258887	2304215	4884740	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	++++ 4107911	50445 5355795	122551 9646840	1322138	2862811	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	++++ 6850331	98233 8831941	236192 16293364	2334681	4911360	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1 Analy Batch No.: 74492

SDG No.: _____

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	++++ 6567904	97086 8678723	234797 15788691	2342749	4756462	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	++++ 9618961	141754 12272403	335004 20625130	3368522	6952758	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	++++ 8610591	124944 11044565	301362 18712796	2989165	6236657	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	++++ 5898248	90887 7759937	211924 13883479	2065097	4265753	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	++++ 6618313	90509 8636137	218051 14976306	2096584	4489041	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	++++ 5402313	76506 8197057	191303 12635790	2050975	3866190	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	++++ 6637133	96803 8448748	246135 14245155	2454528	4995441	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	++++ 2635136	++++ 3331874	++++ 5529599	1072885	1983037	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	++++ 5865567	87994 7713267	207591 14063424	1987125	4218686	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	++++ 2193018	++++ 3064336	++++ 4782790	505603	1318300	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 5759291	++++ 8272628	124545 14018212	1666134	3928763	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	++++ 5196551	48930 6989540	150485 11992787	1588774	3446578	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	++++ 9597027	++++ 14578294	197517 22492855	2789120	7110590	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 5044738	6067 7466788	51372 12772652	1352324	3327278	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:

Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_003.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 02-Jul-2014 16:53:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0008394-003
 Misc. Info.: ic-01
 Operator ID: PAD Instrument ID: CHG.i
 Sublist: chrom-TO15_LLNJ_TO3_G*sub3
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 03-Jul-2014 12:48:08 Calib Date: 02-Jul-2014 22:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: daiglep

Date: 03-Jul-2014 11:45:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.758	2.758	0.000	91	2424	0.0401	0.1400	
2 Dichlorodifluoromethane	85	2.833	2.827	0.006	99	7841	0.0401	0.0566	
6 Chlorodifluoromethane	51	2.891	2.886	0.005	96	3513	0.0401	0.0659	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.111	3.105	0.006	93	6954	0.0401	0.0575	
8 Chloromethane	50	3.250	3.244	0.006	97	2182	0.0401	0.0820	
9 Butane	43	3.458	3.453	0.005	93	2126	0.0401	0.0637	
10 Vinyl chloride	62	3.496	3.501	-0.005	94	1960	0.0401	0.0520	
11 Butadiene	54	3.587	3.581	0.006	89	1369	0.0401	0.0620	
12 Bromomethane	94	4.298	4.298	0.000	94	3188	0.0401	0.0615	
14 Chloroethane	64	4.566	4.560	0.006	1	802	0.0401	0.0614	
15 2-Methylbutane	43	4.641	4.635	0.006	46	3145	0.0401	0.1535	
16 Vinyl bromide	106	4.972	4.972	0.000	98	3444	0.0401	0.0568	
17 Trichlorofluoromethane	101	5.079	5.079	0.000	94	8347	0.0401	0.0539	
18 Pentane	43	5.229	5.235	-0.005	71	2845	0.0401	0.0830	
19 Ethanol	45	5.753	5.737	0.016	47	1219	0.0802	0.1482	
21 Ethyl ether	59	5.828	5.802	0.026	53	898	0.0401	0.0500	
22 Acrolein	56	6.224	6.224	0.000	32	1011	0.0401	0.1317	
23 1,1,2-Trichloro-1,2,2-trif	101	6.240	6.235	0.005	91	4109	0.0401	0.0405	
24 1,1-Dichloroethene	96	6.278	6.278	0.000	55	2849	0.0401	0.0643	
25 Acetone	43	6.567	6.556	0.011	85	13041	0.0401	0.3590	
26 Carbon disulfide	76	6.658	6.658	0.000	97	6364	0.0401	0.0552	
27 Isopropyl alcohol	45	6.914	6.888	0.026	71	2122	0.0401	0.0701	
29 3-Chloro-1-propene	41	7.128	7.123	0.005	78	1597	0.0401	0.0564	
30 Acetonitrile	41	7.310	7.294	0.016	66	1942	0.0401	0.1350	
31 Methylene Chloride	49	7.439	7.439	0.000	79	3439	0.0401	0.1065	
32 2-Methyl-2-propanol	59	7.733	7.706	0.027	91	3780	0.0401	0.0674	
33 Methyl tert-butyl ether	73	7.888	7.851	0.038	93	6111	0.0401	0.0603	
34 trans-1,2-Dichloroethene	61	7.888	7.883	0.005	83	2440	0.0401	0.0508	
35 Acrylonitrile	53	8.086	8.081	0.005	32	619	0.0401	0.0351	
36 Hexane	57	8.295	8.284	0.011	84	2132	0.0401	0.0572	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.803	8.808	-0.005	95	3756	0.0401	0.0531	
38 Vinyl acetate	43	8.904	8.910	-0.006	66	4184	0.0401	0.0650	
39 cis-1,2-Dichloroethene	96	9.948	9.958	-0.010	83	3756	0.0401	0.0580	
40 2-Butanone (MEK)	72	10.039	10.028	0.011	90	1608	0.0401	0.0809	
42 Ethyl acetate	88		10.076					ND	
S 41 1,2-Dichloroethene, Total	61				0		0.0802	0.1088	
44 Tetrahydrofuran	42	10.434	10.424	0.010	29	2213	0.0401	0.0758	
* 43 Chlorobromomethane	128	10.429	10.434	-0.005	67	740712	10.0	10.0	
45 Chloroform	83	10.568	10.579	-0.011	71	7129	0.0401	0.0534	
46 Cyclohexane	84	10.809	10.787	0.022	37	1343	0.0401	0.0195	
47 1,1,1-Trichloroethane	97	10.836	10.836	0.000	96	8619	0.0401	0.0545	
48 Carbon tetrachloride	117	11.071	11.082	-0.011	95	10483	0.0401	0.0492	
51 Isooctane	57	11.542	11.531	0.011	97	11629	0.0401	0.0555	
50 Benzene	78	11.563	11.569	-0.006	93	13764	0.0401	0.0722	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	96	4935	0.0401	0.0550	
53 n-Heptane	43	11.927	11.938	-0.011	52	2016	0.0401	0.0291	
* 54 1,4-Difluorobenzene	114	12.441	12.441	0.000	90	4310557	10.0	10.0	
55 n-Butanol	56	12.874	12.863	0.011	34	2221	0.0401	0.0829	
56 Trichloroethene	95	12.895	12.895	0.000	91	7245	0.0401	0.0526	
A 57 GRO	1	13.074	(4.625-21.524)		0	1597902	0.0401	0	
58 1,2-Dichloropropane	63	13.478	13.473	0.005	73	3020	0.0401	0.0346	
59 Methyl methacrylate	69	13.666	13.660	0.006	72	4452	0.0401	0.0572	
60 1,4-Dioxane	88	13.757	13.698	0.059	34	3114	0.0401	0.0744	
61 Dibromomethane	174	13.735	13.730	0.005	89	7991	0.0401	0.0406	
62 Dichlorobromomethane	83	14.045	14.045	0.000	97	12821	0.0401	0.0530	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	1751569	0.0401	0	
64 cis-1,3-Dichloropropene	75	15.024	15.024	0.000	54	5549	0.0401	0.0325	
65 4-Methyl-2-pentanone (MIBK)	43	15.367	15.345	0.022	92	9610	0.0401	0.0647	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	46945	NC	NC	
66 Toluene	92	15.624	15.634	-0.010	95	14812	0.0401	0.0642	
A 68 C8 Range	1	15.712	(15.649-15.749)		0	42128	NC	NC	
69 n-Octane	43	15.704	15.699	0.005	81	8400	0.0401	0.0613	
70 trans-1,3-Dichloropropene	75	16.271	16.271	0.000	77	9613	0.0401	0.0545	
71 1,1,2-Trichloroethane	83	16.656	16.656	0.000	94	7366	0.0401	0.0601	
72 Tetrachloroethene	166	16.736	16.736	0.000	93	16530	0.0401	0.0534	
73 2-Hexanone	43	17.143	17.127	0.016	91	7570	0.0401	0.0513	
74 Chlorodibromomethane	129	17.432	17.432	0.000	97	17330	0.0401	0.0496	
75 Ethylene Dibromide	107	17.710	17.705	0.005	99	9440	0.0401	0.0347	
* 76 Chlorobenzene-d5	117	18.614	18.614	0.000	79	5040550	10.0	10.0	
77 Chlorobenzene	112	18.673	18.678	-0.005	96	20824	0.0401	0.0564	
78 Ethylbenzene	91	18.833	18.833	0.000	95	28797	0.0401	0.0597	
79 n-Nonane	57	18.962	18.962	0.000	82	10147	0.0401	0.0628	
80 m-Xylene & p-Xylene	106	19.085	19.090	-0.005	98	25998	0.0802	0.1235	
83 o-Xylene	106	19.941	19.941	0.000	95	12831	0.0401	0.0579	
84 Styrene	104	19.994	19.994	0.000	97	17802	0.0401	0.0574	
S 82 Xylenes, Total	106				0		0.1203	0.1815	
85 Bromoform	173	20.412	20.417	-0.005	97	18728	0.0401	0.0463	
86 Isopropylbenzene	105	20.626	20.626	0.000	94	30675	0.0401	0.0523	
* 87 4-Bromofluorobenzene	95	20.989	20.989	0.000	95	3065729	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.284	21.284	0.000	96	15263	0.0401	0.0503	
90 N-Propylbenzene	91	21.342	21.342	0.000	99	34229	0.0401	0.0524	
89 1,2,3-Trichloropropane	75	21.380	21.375	0.005	93	11340	0.0401	0.0535	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	82	10558	0.0401	0.0575	
91 4-Ethyltoluene	105	21.530	21.530	0.000	89	28415	0.0401	0.0525	
92 2-Chlorotoluene	91	21.535	21.535	0.000	92	24074	0.0401	0.0564	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	93	25126	0.0401	0.0524	
95 Alpha Methyl Styrene	118	22.001	22.000	0.000	92	12601	0.0401	0.0463	
96 tert-Butylbenzene	119	22.129	22.124	0.005	94	26881	0.0401	0.0560	
97 1,2,4-Trimethylbenzene	105	22.214	22.214	0.000	95	25107	0.0401	0.0532	
98 sec-Butylbenzene	105	22.445	22.444	0.001	99	35986	0.0401	0.0534	
99 4-Isopropyltoluene	119	22.642	22.642	0.000	97	31013	0.0401	0.0515	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	99	22959	0.0401	0.0542	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	98	23772	0.0401	0.0533	
102 Benzyl chloride	91	23.012	23.006	0.006	99	16838	0.0401	0.0426	
103 n-Butylbenzene	91	23.210	23.210	0.000	97	21132	0.0401	0.0444	
104 Undecane	57	23.236	23.231	0.005	89	6196	0.0401	0.0329	
105 1,2-Dichlorobenzene	146	23.333	23.333	0.000	98	22295	0.0401	0.0535	
106 Dodecane	57	24.868	24.804	0.064	1	343	0.0401	0.002555	
107 1,2,4-Trichlorobenzene	180	25.842	25.831	0.011	1	1152	0.0401	0.003141	
108 Hexachlorobutadiene	225	26.023	26.013	0.010	2	2312	0.0401	0.007069	
109 Naphthalene	128	26.312	26.323	-0.011	1	2124	0.0401	0.003422	
110 1,2,3-Trichlorobenzene	180	26.788	26.794	-0.006	1	178	0.0401	0.000684	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL1w_00105

Amount Added: 40.00

Units: mL

ATTO15GIS_00009

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_003.D

Injection Date: 02-Jul-2014 16:53:30

Instrument ID: CHG.i

Operator ID: PAD

Lims ID: IC

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

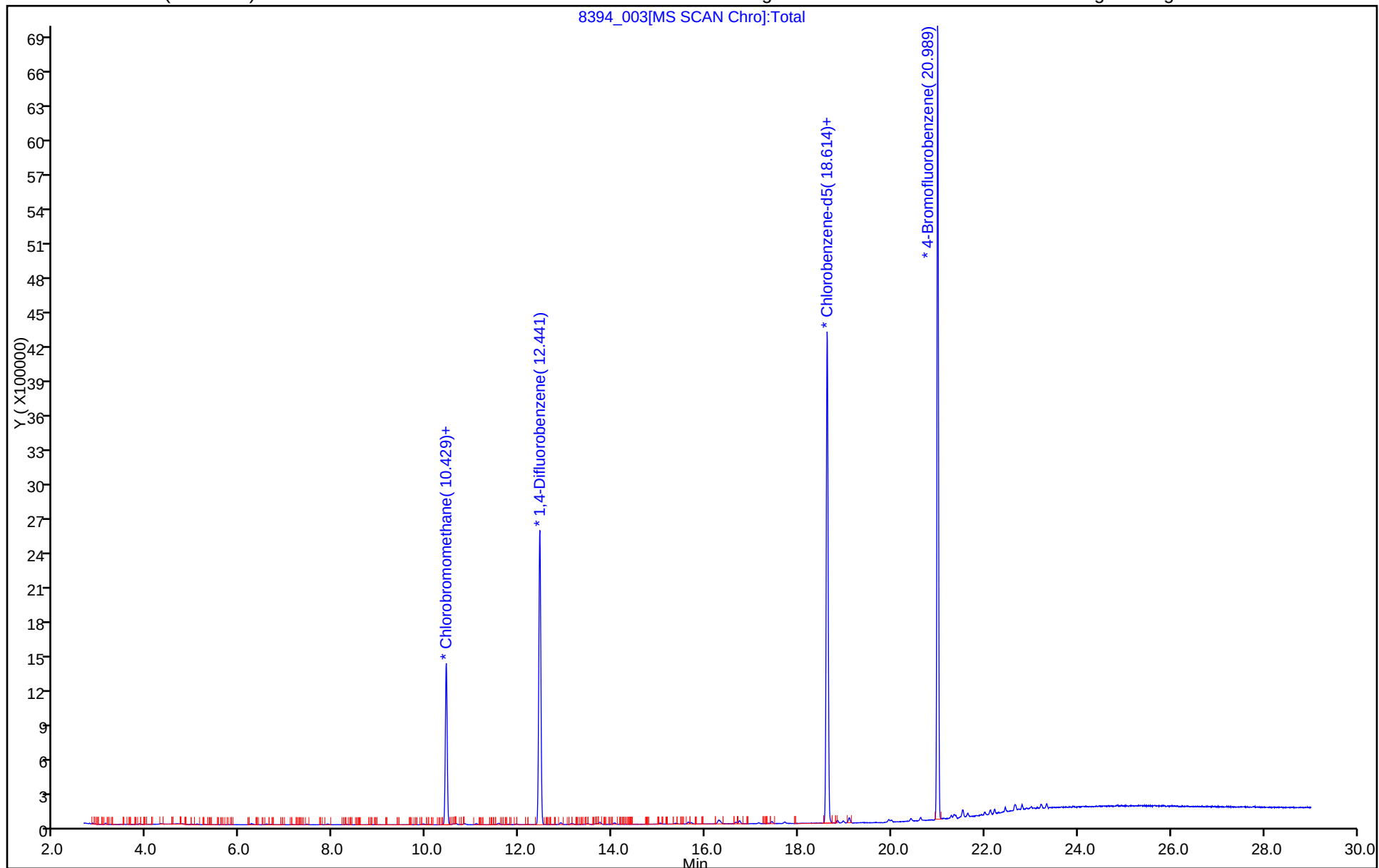
ALS Bottle#: 2

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_004.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 02-Jul-2014 17:44:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0008394-004
 Misc. Info.: ic-02
 Operator ID: PAD Instrument ID: CHG.i
 Sublist: chrom-TO15_LLNJ_TO3_G*sub3
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 03-Jul-2014 12:48:10 Calib Date: 02-Jul-2014 22:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last Ical File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: daiglep

Date: 03-Jul-2014 11:48:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.758	2.758	0.000	97	4479	0.2004	0.2600	
2 Dichlorodifluoromethane	85	2.833	2.827	0.006	98	31075	0.2004	0.2254	
6 Chlorodifluoromethane	51	2.891	2.886	0.005	96	12501	0.2004	0.2357	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	88	27887	0.2004	0.2317	
8 Chloromethane	50	3.250	3.244	0.006	97	6330	0.2004	0.2392	
9 Butane	43	3.453	3.453	0.000	98	8524	0.2004	0.2568	
10 Vinyl chloride	62	3.507	3.501	0.006	97	8056	0.2004	0.2149	
11 Butadiene	54	3.582	3.581	0.001	91	5120	0.2004	0.2330	
12 Bromomethane	94	4.309	4.298	0.011	98	11877	0.2004	0.2303	
14 Chloroethane	64	4.555	4.560	-0.005	63	3088	0.2004	0.2377	
15 2-Methylbutane	43	4.630	4.635	-0.005	88	4671	0.2004	0.2292	
16 Vinyl bromide	106	4.972	4.972	0.000	96	12968	0.2004	0.2151	
17 Trichlorofluoromethane	101	5.085	5.079	0.006	98	34281	0.2004	0.2225	
18 Pentane	43	5.240	5.235	0.006	90	8857	0.2004	0.2599	
19 Ethanol	45	5.753	5.737	0.016	91	5083	0.4009	0.6213	
21 Ethyl ether	59	5.818	5.802	0.016	93	3926	0.2004	0.2196	
22 Acrolein	56	6.224	6.224	0.000	36	2757	0.2004	0.3612	
23 1,1,2-Trichloro-1,2,2-trif	101	6.240	6.235	0.005	91	22017	0.2004	0.2179	
24 1,1-Dichloroethene	96	6.278	6.278	0.000	91	9955	0.2004	0.2258	
25 Acetone	43	6.567	6.556	0.011	87	41472	0.2004	1.15	
26 Carbon disulfide	76	6.658	6.658	0.000	98	23502	0.2004	0.2048	
27 Isopropyl alcohol	45	6.904	6.888	0.016	97	7119	0.2004	0.2364	
29 3-Chloro-1-propene	41	7.123	7.123	0.000	84	6790	0.2004	0.2412	
30 Acetonitrile	41	7.294	7.294	0.000	92	4172	0.2004	0.2915	
31 Methylene Chloride	49	7.444	7.439	0.005	90	8205	0.2004	0.2556	
32 2-Methyl-2-propanol	59	7.728	7.706	0.022	99	15123	0.2004	0.2711	
33 Methyl tert-butyl ether	73	7.872	7.851	0.022	94	21757	0.2004	0.2158	
34 trans-1,2-Dichloroethene	61	7.888	7.883	0.005	86	10851	0.2004	0.2270	
35 Acrylonitrile	53	8.086	8.081	0.005	92	4091	0.2004	0.2334	
36 Hexane	57	8.289	8.284	0.005	89	8951	0.2004	0.2416	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.803	8.808	-0.005	98	14427	0.2004	0.2049	
38 Vinyl acetate	43	8.904	8.910	-0.006	99	13841	0.2004	0.2162	
39 cis-1,2-Dichloroethene	96	9.953	9.958	-0.005	87	14164	0.2004	0.2200	
40 2-Butanone (MEK)	72	10.028	10.028	0.000	97	5888	0.2004	0.2979	
42 Ethyl acetate	88	10.092	10.076	0.016	63	541	0.2004	0.1840	
S 41 1,2-Dichloroethene, Total	61				0		0.4009	0.4470	
44 Tetrahydrofuran	42	10.451	10.424	0.027	30	7152	0.2004	0.2505	
* 43 Chlorobromomethane	128	10.429	10.434	-0.005	67	736697	10.0	10.0	
45 Chloroform	83	10.574	10.579	-0.005	98	29028	0.2004	0.2184	
46 Cyclohexane	84	10.772	10.787	-0.015	80	15325	0.2004	0.2281	M
47 1,1,1-Trichloroethane	97	10.836	10.836	0.000	96	33861	0.2004	0.2189	
48 Carbon tetrachloride	117	11.071	11.082	-0.011	96	43332	0.2004	0.2079	
51 Isooctane	57	11.531	11.531	0.000	99	46201	0.2004	0.2254	
50 Benzene	78	11.574	11.569	0.005	93	45568	0.2004	0.2445	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	98	18984	0.2004	0.2163	
53 n-Heptane	43	11.938	11.938	0.000	81	15822	0.2004	0.2335	
* 54 1,4-Difluorobenzene	114	12.441	12.441	0.000	90	4214271	10.0	10.0	
55 n-Butanol	56	12.885	12.863	0.022	32	6843	0.2004	0.2614	
56 Trichloroethene	95	12.895	12.895	0.000	92	29130	0.2004	0.2161	
A 57 GRO	1	13.074	(4.625-21.524)		0	6356630	0.2004	0	
58 1,2-Dichloropropane	63	13.473	13.473	0.000	92	18291	0.2004	0.2144	
59 Methyl methacrylate	69	13.660	13.660	0.000	77	15917	0.2004	0.2091	
60 1,4-Dioxane	88	13.719	13.698	0.021	36	10052	0.2004	0.2457	
61 Dibromomethane	174	13.725	13.730	-0.005	90	41918	0.2004	0.2180	
62 Dichlorobromomethane	83	14.040	14.045	-0.005	97	48696	0.2004	0.2058	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	10308331	0.2004	0	
64 cis-1,3-Dichloropropene	75	15.025	15.024	0.001	86	35253	0.2004	0.2114	
65 4-Methyl-2-pentanone (MIBK)	43	15.351	15.345	0.006	93	28263	0.2004	0.1946	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	178887	NC	NC	
66 Toluene	92	15.634	15.634	0.000	94	46684	0.2004	0.2085	
A 68 C8 Range	1	15.715	(15.649-15.749)		0	122709	NC	NC	
69 n-Octane	43	15.699	15.699	0.000	84	28850	0.2004	0.2154	
70 trans-1,3-Dichloropropene	75	16.276	16.271	0.005	92	33239	0.2004	0.1928	
71 1,1,2-Trichloroethane	83	16.651	16.656	-0.005	95	23326	0.2004	0.1962	
72 Tetrachloroethene	166	16.731	16.736	-0.005	93	59866	0.2004	0.1994	
73 2-Hexanone	43	17.138	17.127	0.011	93	27688	0.2004	0.1936	
74 Chlorodibromomethane	129	17.432	17.432	0.000	96	61464	0.2004	0.1813	
75 Ethylene Dibromide	107	17.705	17.705	0.000	99	50013	0.2004	0.1896	
* 76 Chlorobenzene-d5	117	18.614	18.614	0.000	80	4890855	10.0	10.0	
77 Chlorobenzene	112	18.673	18.678	-0.005	98	75764	0.2004	0.2115	
78 Ethylbenzene	91	18.839	18.833	0.006	96	95324	0.2004	0.2038	
79 n-Nonane	57	18.957	18.962	-0.005	82	32478	0.2004	0.2072	
80 m-Xylene & p-Xylene	106	19.090	19.090	0.000	98	85973	0.4009	0.4210	
83 o-Xylene	106	19.941	19.941	0.000	96	43531	0.2004	0.2026	
84 Styrene	104	19.994	19.994	0.000	98	59660	0.2004	0.1982	
S 82 Xylenes, Total	106				0		0.6013	0.6236	
85 Bromoform	173	20.412	20.417	-0.005	98	70403	0.2004	0.1795	
86 Isopropylbenzene	105	20.620	20.626	-0.006	94	117124	0.2004	0.2057	
* 87 4-Bromofluorobenzene	95	20.989	20.989	0.000	95	2967989	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.284	21.284	0.000	96	57781	0.2004	0.1961	
90 N-Propylbenzene	91	21.343	21.342	0.001	99	130557	0.2004	0.2061	
89 1,2,3-Trichloropropane	75	21.380	21.375	0.005	94	43312	0.2004	0.2104	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	83	39694	0.2004	0.2227	
91 4-Ethyltoluene	105	21.530	21.530	0.000	90	115131	0.2004	0.2192	
92 2-Chlorotoluene	91	21.535	21.535	0.000	94	92271	0.2004	0.2229	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	95	97367	0.2004	0.2092	
95 Alpha Methyl Styrene	118	22.001	22.000	0.001	93	50445	0.2004	0.1911	
96 tert-Butylbenzene	119	22.118	22.124	-0.006	96	98233	0.2004	0.2108	
97 1,2,4-Trimethylbenzene	105	22.215	22.214	0.001	95	97086	0.2004	0.2122	
98 sec-Butylbenzene	105	22.445	22.444	0.001	99	141754	0.2004	0.2169	
99 4-Isopropyltoluene	119	22.643	22.642	0.000	97	124944	0.2004	0.2137	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	99	90887	0.2004	0.2210	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	97	90509	0.2004	0.2090	
102 Benzyl chloride	91	23.006	23.006	0.000	100	76506	0.2004	0.1997	
103 n-Butylbenzene	91	23.210	23.210	0.000	97	96803	0.2004	0.2096	
104 Undecane	57	23.226	23.231	-0.005	90	38847	0.2004	0.2123	
105 1,2-Dichlorobenzene	146	23.333	23.333	0.000	99	87994	0.2004	0.2176	
106 Dodecane	57	24.814	24.804	0.010	52	2813	0.2004	0.0216	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	89	28209	0.2004	0.0793	
108 Hexachlorobutadiene	225	26.007	26.013	-0.006	96	48930	0.2004	0.1542	
109 Naphthalene	128	26.323	26.323	0.000	99	34857	0.2004	0.0579	
110 1,2,3-Trichlorobenzene	180	26.794	26.794	0.000	33	6067	0.2004	0.0240	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00105

Amount Added: 200.00

Units: mL

ATTO15GIS_00009

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_004.D

Injection Date: 02-Jul-2014 17:44:30

Instrument ID: CHG.i

Operator ID: PAD

Lims ID: IC

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

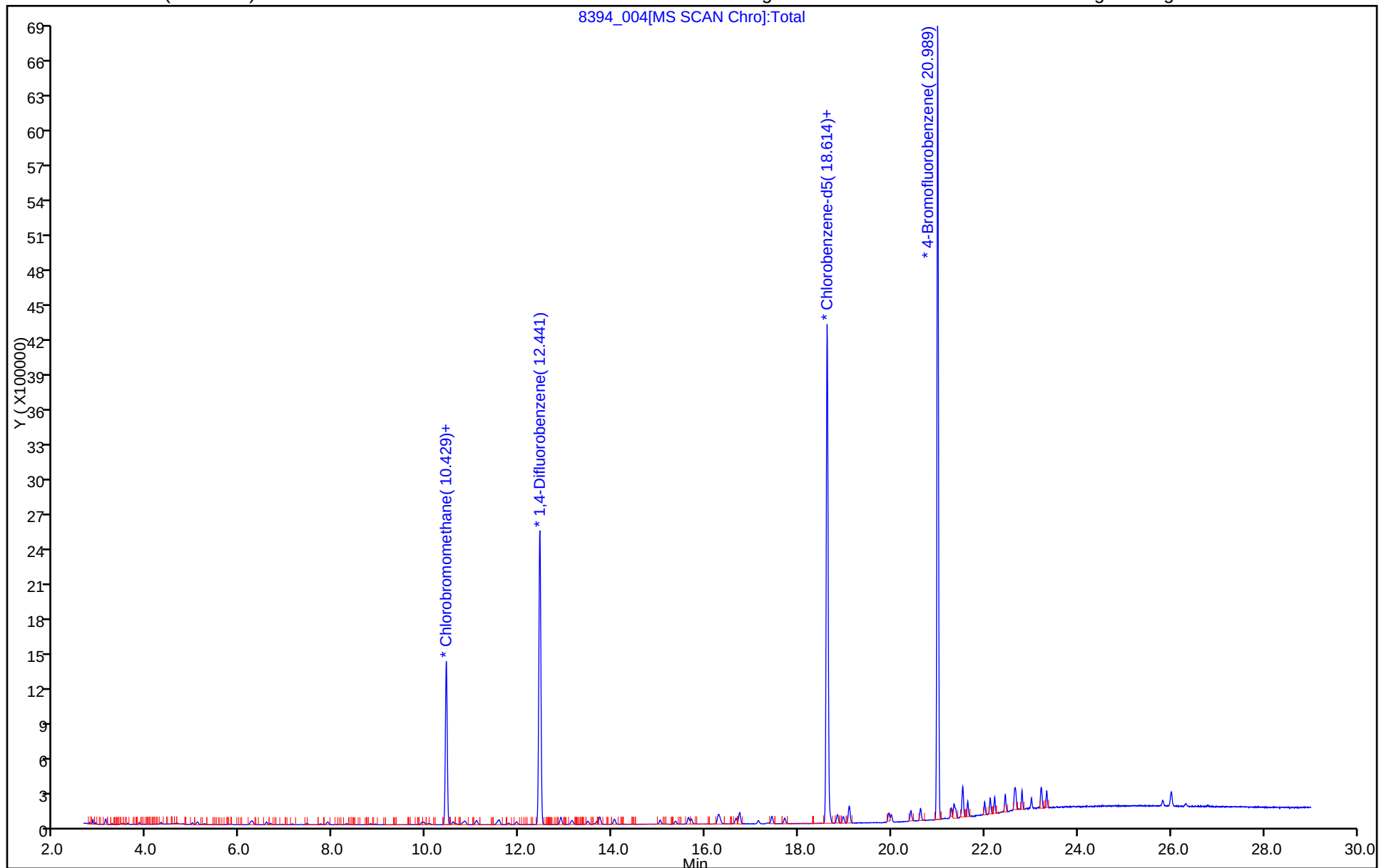
ALS Bottle#: 3

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



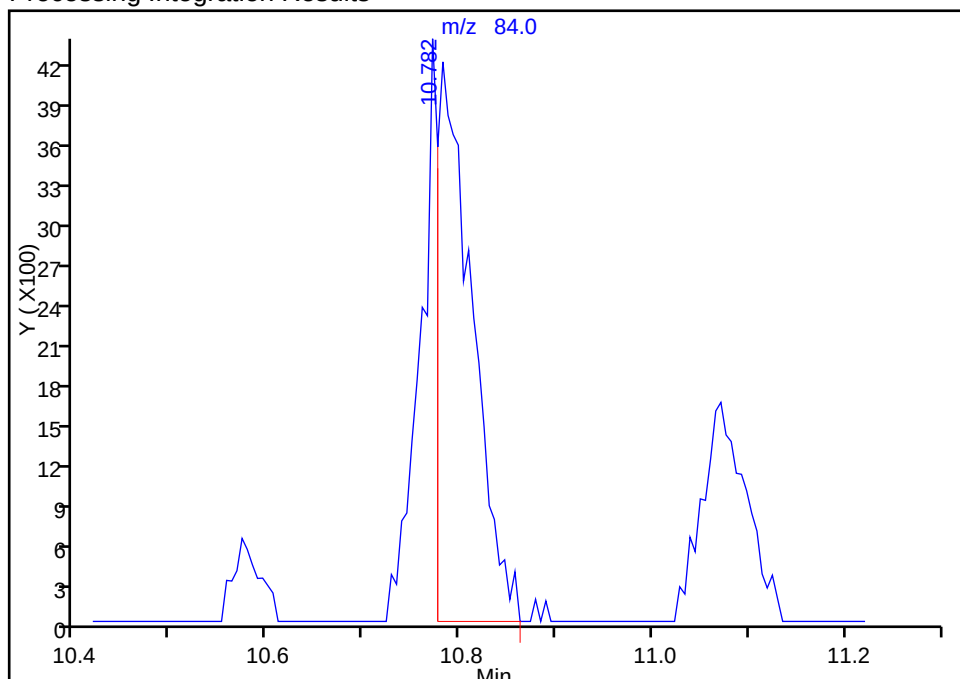
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_004.D
Injection Date: 02-Jul-2014 17:44:30 Instrument ID: CHG.i
Lims ID: IC
Client ID:
Operator ID: PAD ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

46 Cyclohexane, CAS: 110-82-7

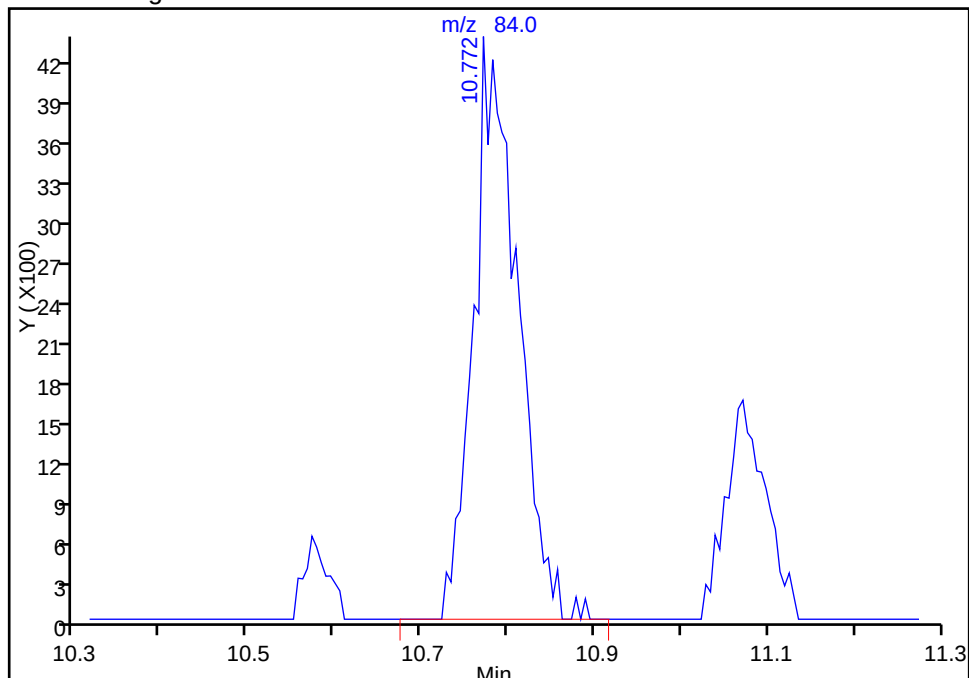
RT: 10.78
Response: 10584
Amount: 0.174620

Processing Integration Results



RT: 10.77
Response: 15325
Amount: 0.228071

Manual Integration Results



Reviewer: daiglep, 03-Jul-2014 11:48:02
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_004.D

Injection Date: 02-Jul-2014 17:44:30

Instrument ID: CHG.i

Lims ID: IC

Client ID:

Operator ID: PAD

ALS Bottle#:

3

Worklist Smp#:

4

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_LLNJ_TO3_G

Limit Group:

AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

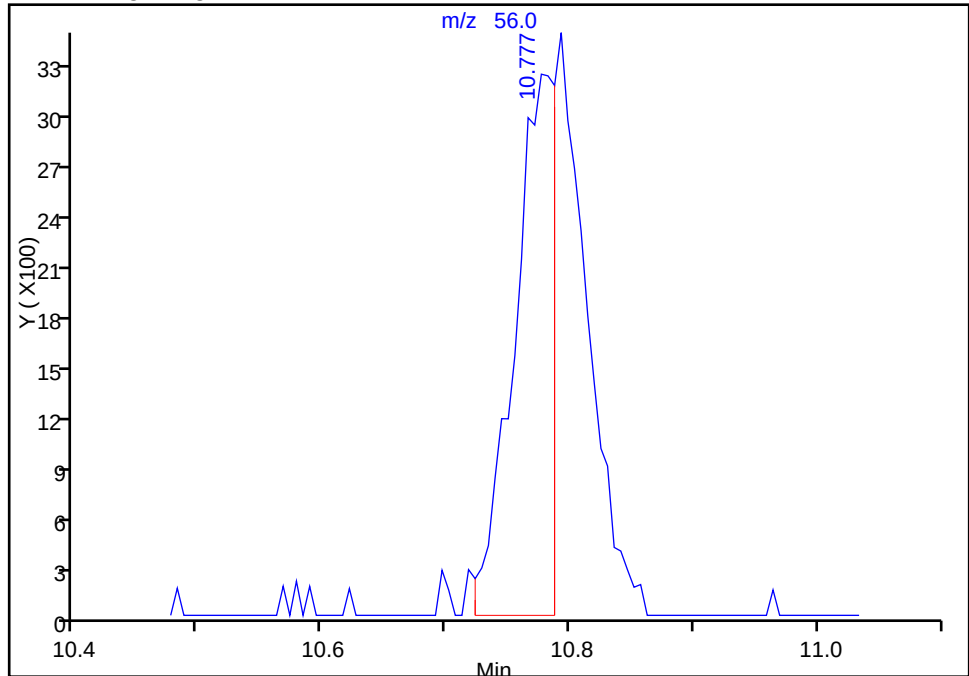
Detector

MS SCAN

46 Cyclohexane, CAS: 110-82-7

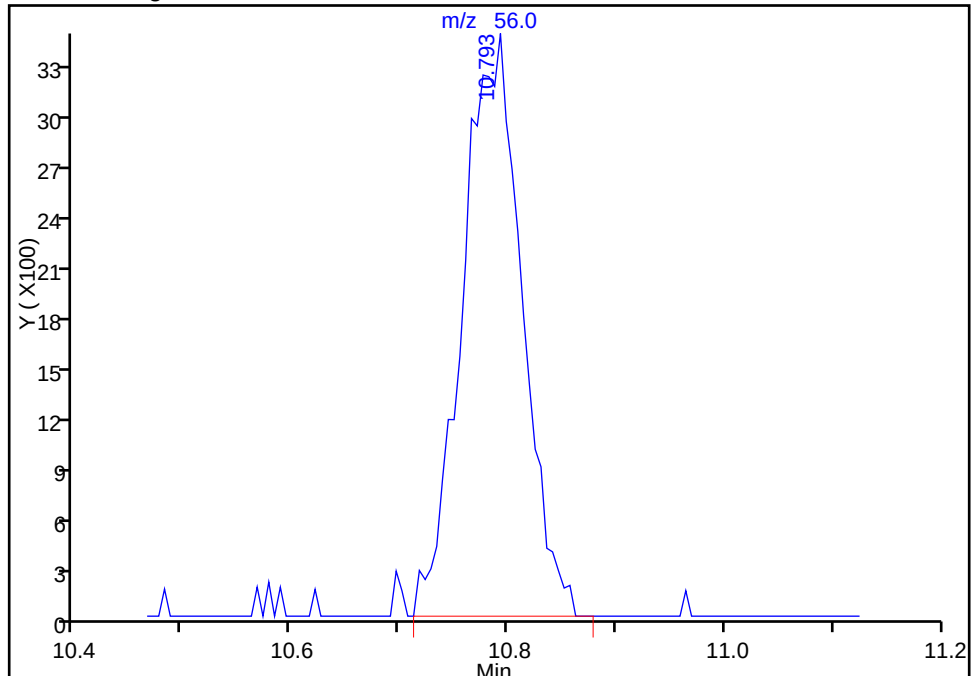
RT: 10.78
Response: 7476
Amount: 0.174620

Processing Integration Results



RT: 10.79
Response: 13304
Amount: 0.228071

Manual Integration Results



Reviewer: daiglep, 03-Jul-2014 11:48:02

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_005.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 02-Jul-2014 18:35:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0008394-005
 Misc. Info.: ic-03
 Operator ID: PAD Instrument ID: CHG.i
 Sublist: chrom-TO15_LLNJ_TO3_G*sub3
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 03-Jul-2014 12:48:13 Calib Date: 02-Jul-2014 22:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last Ical File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: daiglep

Date: 03-Jul-2014 11:49:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.758	2.758	0.000	97	10181	0.5005	0.5925	
2 Dichlorodifluoromethane	85	2.833	2.827	0.006	99	75136	0.5005	0.5463	
6 Chlorodifluoromethane	51	2.891	2.886	0.005	96	28429	0.5005	0.5373	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	87	65238	0.5005	0.5434	
8 Chloromethane	50	3.250	3.244	0.006	98	14441	0.5005	0.5470	
9 Butane	43	3.453	3.453	0.000	97	18900	0.5005	0.5709	
10 Vinyl chloride	62	3.501	3.501	0.000	97	19041	0.5005	0.5092	
11 Butadiene	54	3.582	3.581	0.001	88	11789	0.5005	0.5378	
12 Bromomethane	94	4.304	4.298	0.006	98	26575	0.5005	0.5166	
14 Chloroethane	64	4.561	4.560	0.001	97	7164	0.5005	0.5528	
15 2-Methylbutane	43	4.625	4.635	-0.010	87	10970	0.5005	0.5396	
16 Vinyl bromide	106	4.967	4.972	-0.005	99	30607	0.5005	0.5090	
17 Trichlorofluoromethane	101	5.079	5.079	0.000	97	81134	0.5005	0.5279	
18 Pentane	43	5.235	5.235	0.001	94	19578	0.5005	0.5759	
19 Ethanol	45	5.738	5.737	0.001	96	42403	5.01	5.20	
21 Ethyl ether	59	5.812	5.802	0.010	93	9565	0.5005	0.5363	
22 Acrolein	56	6.230	6.224	0.006	35	5086	0.5005	0.6680	
23 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.235	0.000	94	54420	0.5005	0.5400	
24 1,1-Dichloroethene	96	6.272	6.278	-0.006	83	23848	0.5005	0.5421	
25 Acetone	43	6.561	6.556	0.005	87	35390	0.5005	0.9820	
26 Carbon disulfide	76	6.652	6.658	-0.006	98	78156	0.5005	0.6826	
27 Isopropyl alcohol	45	6.898	6.888	0.010	97	16051	0.5005	0.5343	
29 3-Chloro-1-propene	41	7.123	7.123	0.000	83	15454	0.5005	0.5504	
30 Acetonitrile	41	7.294	7.294	0.000	98	9190	0.5005	0.6437	
31 Methylene Chloride	49	7.439	7.439	0.000	80	18735	0.5005	0.5849	
32 2-Methyl-2-propanol	59	7.728	7.706	0.022	98	29189	0.5005	0.5245	
33 Methyl tert-butyl ether	73	7.867	7.851	0.017	94	52683	0.5005	0.5239	
34 trans-1,2-Dichloroethene	61	7.883	7.883	0.000	85	24810	0.5005	0.5202	
35 Acrylonitrile	53	8.086	8.081	0.005	90	8796	0.5005	0.5031	
36 Hexane	57	8.284	8.284	0.000	86	19077	0.5005	0.5162	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.803	8.808	-0.005	99	34482	0.5005	0.4909	
38 Vinyl acetate	43	8.905	8.910	-0.005	99	33743	0.5005	0.5284	
39 cis-1,2-Dichloroethene	96	9.953	9.958	-0.005	89	33954	0.5005	0.5288	
40 2-Butanone (MEK)	72	10.033	10.028	0.005	97	11578	0.5005	0.5872	
42 Ethyl acetate	88	10.087	10.076	0.011	98	1654	0.5005	0.5639	
S 41 1,2-Dichloroethene, Total	61				0		1.00	1.05	
44 Tetrahydrofuran	42	10.429	10.424	0.005	31	17736	0.5005	0.6268	
* 43 Chlorobromomethane	128	10.429	10.434	-0.005	67	734925	10.0	10.0	
45 Chloroform	83	10.579	10.579	0.000	98	68952	0.5005	0.5201	
46 Cyclohexane	84	10.782	10.787	-0.005	83	34830	0.5005	0.5230	M
47 1,1,1-Trichloroethane	97	10.836	10.836	0.000	95	81720	0.5005	0.5331	
48 Carbon tetrachloride	117	11.082	11.082	0.000	96	103533	0.5005	0.5013	
51 Isooctane	57	11.537	11.531	0.006	99	108865	0.5005	0.5359	
50 Benzene	78	11.569	11.569	0.000	93	102043	0.5005	0.5525	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	99	45451	0.5005	0.5226	
53 n-Heptane	43	11.938	11.938	0.000	82	37010	0.5005	0.5512	
* 54 1,4-Difluorobenzene	114	12.441	12.441	0.000	90	4176694	10.0	10.0	
55 n-Butanol	56	12.869	12.863	0.006	84	22751	0.5005	0.8768	
56 Trichloroethene	95	12.885	12.895	-0.010	93	68741	0.5005	0.5146	
A 57 GRO	1	13.074	(4.625-21.524)		0	15060686	0.5005	0	
58 1,2-Dichloropropane	63	13.468	13.473	-0.005	91	43604	0.5005	0.5158	
59 Methyl methacrylate	69	13.671	13.660	0.011	75	37868	0.5005	0.5020	
60 1,4-Dioxane	88	13.714	13.698	0.016	33	27259	0.5005	0.6723	
61 Dibromomethane	174	13.730	13.730	0.000	89	97463	0.5005	0.5114	
62 Dichlorobromomethane	83	14.046	14.045	0.001	97	116055	0.5005	0.4949	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	26395216	0.5005	0	
64 cis-1,3-Dichloropropene	75	15.025	15.024	0.001	87	73709	0.5005	0.4460	
65 4-Methyl-2-pentanone (MIBK)	43	15.346	15.345	0.001	92	91397	0.5005	0.6349	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	387884	NC	NC	
66 Toluene	92	15.624	15.634	-0.010	93	106348	0.5005	0.4799	
A 68 C8 Range	1	15.710	(15.649-15.749)		0	333297	NC	NC	
69 n-Octane	43	15.699	15.699	0.000	84	67072	0.5005	0.5053	
70 trans-1,3-Dichloropropene	75	16.271	16.271	0.000	92	77239	0.5005	0.4519	
71 1,1,2-Trichloroethane	83	16.656	16.656	0.000	94	55540	0.5005	0.4720	
72 Tetrachloroethene	166	16.736	16.736	0.000	93	142977	0.5005	0.4811	
73 2-Hexanone	43	17.132	17.127	0.005	92	90071	0.5005	0.6361	
74 Chlorodibromomethane	129	17.427	17.432	-0.005	97	148726	0.5005	0.4432	
75 Ethylene Dibromide	107	17.699	17.705	-0.006	98	122566	0.5005	0.4693	
* 76 Chlorobenzene-d5	117	18.614	18.614	0.000	80	4841724	10.0	10.0	
77 Chlorobenzene	112	18.678	18.678	0.000	95	173403	0.5005	0.4890	
78 Ethylbenzene	91	18.834	18.833	0.001	96	228858	0.5005	0.4943	
79 n-Nonane	57	18.962	18.962	0.000	82	75385	0.5005	0.4858	
80 m-Xylene & p-Xylene	106	19.090	19.090	0.000	99	201629	1.00	1.00	
83 o-Xylene	106	19.941	19.941	0.000	95	102343	0.5005	0.4811	
84 Styrene	104	19.994	19.994	0.000	98	140439	0.5005	0.4712	
S 82 Xylenes, Total	106				0		1.50	1.48	
85 Bromoform	173	20.417	20.417	0.000	98	175025	0.5005	0.4509	
86 Isopropylbenzene	105	20.620	20.626	-0.006	94	276053	0.5005	0.4898	
* 87 4-Bromofluorobenzene	95	20.990	20.989	0.001	95	2982344	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.278	21.284	-0.006	97	139978	0.5005	0.4799	
90 N-Propylbenzene	91	21.343	21.342	0.001	100	315206	0.5005	0.5026	
89 1,2,3-Trichloropropane	75	21.380	21.375	0.005	93	98823	0.5005	0.4850	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	85	95538	0.5005	0.5415	
91 4-Ethyltoluene	105	21.530	21.530	0.000	98	274011	0.5005	0.5270	
92 2-Chlorotoluene	91	21.535	21.535	0.000	95	221154	0.5005	0.5398	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	95	229822	0.5005	0.4987	
95 Alpha Methyl Styrene	118	22.001	22.000	0.001	93	122551	0.5005	0.4690	
96 tert-Butylbenzene	119	22.118	22.124	-0.006	94	236192	0.5005	0.5120	
97 1,2,4-Trimethylbenzene	105	22.215	22.214	0.001	95	234797	0.5005	0.5184	
98 sec-Butylbenzene	105	22.445	22.444	0.001	99	335004	0.5005	0.5178	
99 4-Isopropyltoluene	119	22.643	22.642	0.001	98	301362	0.5005	0.5207	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	99	211924	0.5005	0.5206	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	98	218051	0.5005	0.5086	
102 Benzyl chloride	91	23.006	23.006	0.000	100	191303	0.5005	0.5044	
103 n-Butylbenzene	91	23.210	23.210	0.000	97	246135	0.5005	0.5383	
104 Undecane	57	23.231	23.231	0.000	91	99565	0.5005	0.5497	
105 1,2-Dichlorobenzene	146	23.333	23.333	0.000	99	207591	0.5005	0.5185	
106 Dodecane	57	24.804	24.804	0.000	90	9056	0.5005	0.0702	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	93	124545	0.5005	0.3535	
108 Hexachlorobutadiene	225	26.013	26.013	0.000	96	150485	0.5005	0.4790	
109 Naphthalene	128	26.323	26.323	0.000	99	197517	0.5005	0.3312	
110 1,2,3-Trichlorobenzene	180	26.799	26.794	0.005	94	51372	0.5005	0.2054	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL2w_00136

Amount Added: 200.00

Units: mL

ATTO15GIS_00009

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_005.D

Injection Date: 02-Jul-2014 18:35:30

Instrument ID: CHG.i

Operator ID: PAD

Lims ID: IC

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

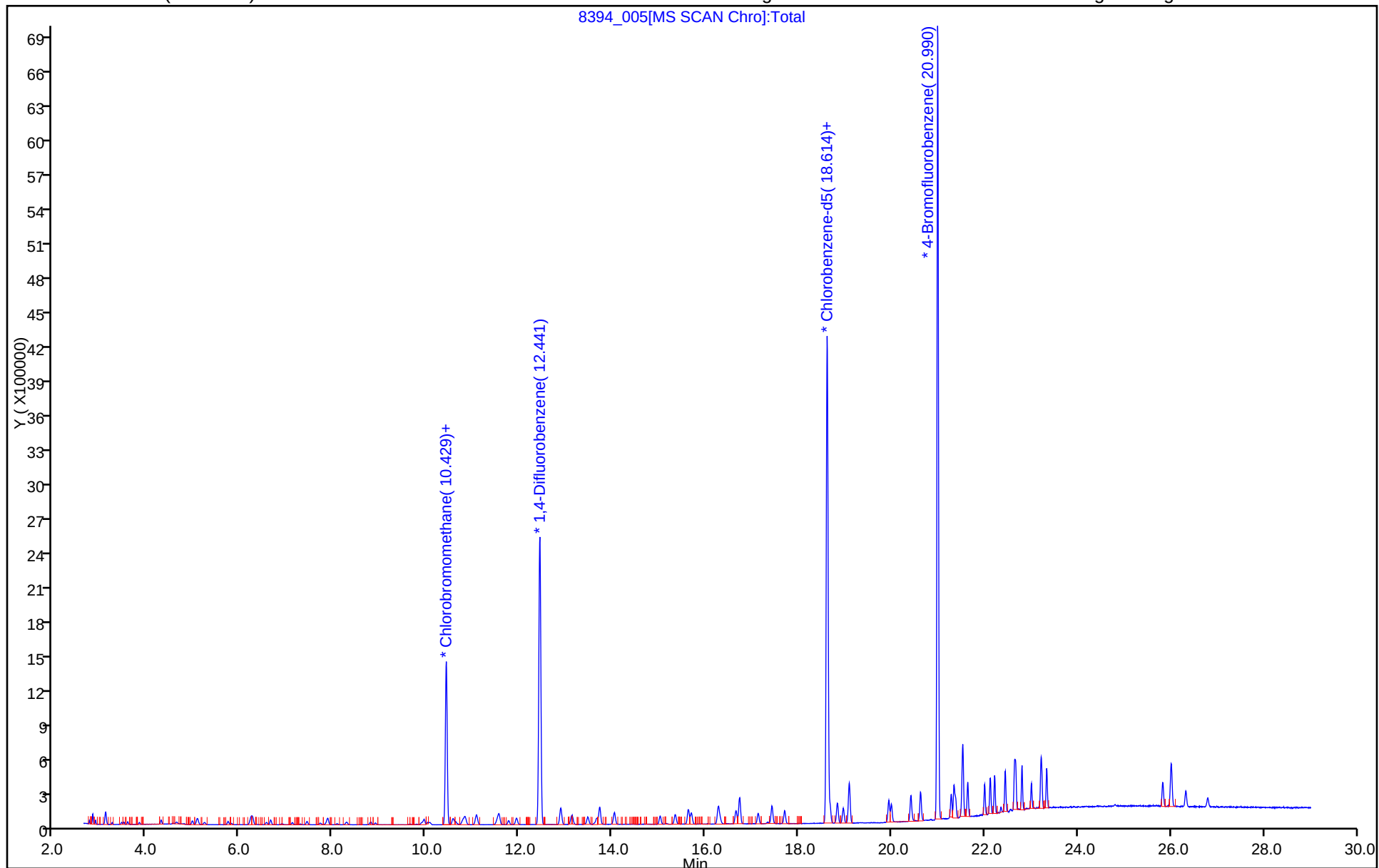
ALS Bottle#: 4

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington

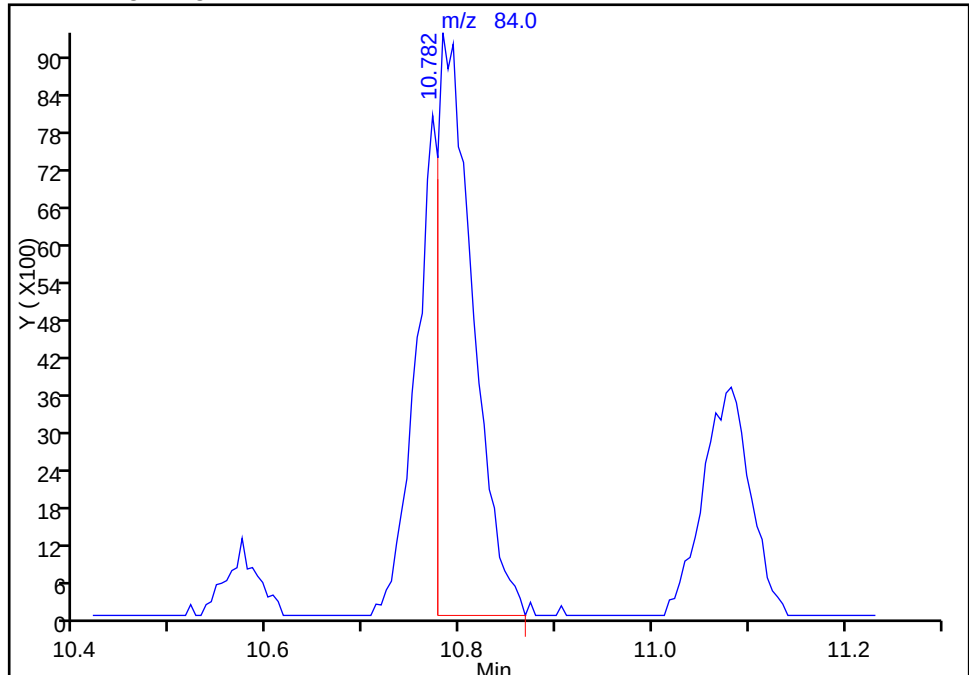
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_005.D
Injection Date: 02-Jul-2014 18:35:30 Instrument ID: CHG.i
Lims ID: IC
Client ID:
Operator ID: PAD ALS Bottle#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

Worklist Smp#: 5

46 Cyclohexane, CAS: 110-82-7

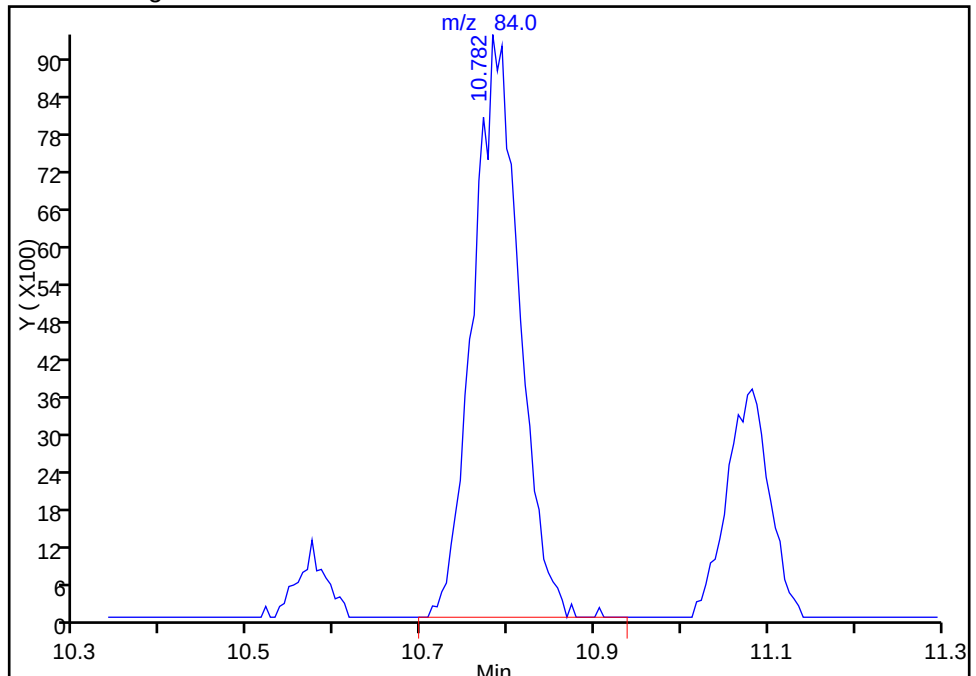
RT: 10.78
Response: 23708
Amount: 0.373824

Processing Integration Results



RT: 10.78
Response: 34830
Amount: 0.523012

Manual Integration Results



Reviewer: daiglep, 03-Jul-2014 11:49:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_006.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 02-Jul-2014 19:26:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0008394-006
 Misc. Info.: ic-04
 Operator ID: PAD Instrument ID: CHG.i
 Sublist: chrom-TO15_LLNJ_TO3_G*sub3
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 03-Jul-2014 12:48:15 Calib Date: 02-Jul-2014 22:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last Ical File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: daiglep

Date: 03-Jul-2014 11:42:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.758	2.758	0.000	97	80328	4.99	5.21	
2 Dichlorodifluoromethane	85	2.827	2.827	0.000	99	659036	4.99	5.34	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	258482	4.99	5.44	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	95	567744	4.99	5.27	
8 Chloromethane	50	3.244	3.244	0.000	99	126051	4.99	5.32	
9 Butane	43	3.453	3.453	0.000	97	159615	4.99	5.37	
10 Vinyl chloride	62	3.501	3.501	0.000	98	169108	4.99	5.04	
11 Butadiene	54	3.581	3.581	0.000	90	101988	4.99	5.18	
12 Bromomethane	94	4.298	4.298	0.000	98	239046	4.99	5.17	
14 Chloroethane	64	4.560	4.560	0.000	99	60213	4.99	5.17	
15 2-Methylbutane	43	4.630	4.635	-0.005	88	94913	4.99	5.20	
16 Vinyl bromide	106	4.972	4.972	0.000	98	282960	4.99	5.24	
17 Trichlorofluoromethane	101	5.079	5.079	0.000	98	719932	4.99	5.22	
18 Pentane	43	5.234	5.235	0.000	94	162445	4.99	5.32	
19 Ethanol	45	5.737	5.737	0.000	96	84040	10.0	11.5	
21 Ethyl ether	59	5.796	5.802	-0.006	93	82304	4.99	5.14	
22 Acrolein	56	6.219	6.224	-0.005	94	40191	4.99	5.88	
23 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.235	0.000	94	475931	4.99	5.26	
24 1,1-Dichloroethene	96	6.272	6.278	-0.006	91	205789	4.99	5.21	
25 Acetone	43	6.556	6.556	0.000	87	171477	4.99	5.30	
26 Carbon disulfide	76	6.657	6.658	-0.001	98	509964	4.99	4.96	
27 Isopropyl alcohol	45	6.887	6.888	-0.001	98	129962	4.99	4.82	
29 3-Chloro-1-propene	41	7.118	7.123	-0.005	82	129047	4.99	5.12	
30 Acetonitrile	41	7.289	7.294	-0.005	98	68410	4.99	5.34	
31 Methylene Chloride	49	7.433	7.439	-0.006	81	152647	4.99	5.31	
32 2-Methyl-2-propanol	59	7.701	7.706	-0.005	98	237024	4.99	4.74	
33 Methyl tert-butyl ether	73	7.850	7.851	0.000	94	469313	4.99	5.20	
34 trans-1,2-Dichloroethene	61	7.888	7.883	0.005	86	224972	4.99	5.25	
35 Acrylonitrile	53	8.080	8.081	-0.001	93	82334	4.99	5.24	
36 Hexane	57	8.284	8.284	0.000	90	169269	4.99	5.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.808	8.808	0.000	99	312223	4.99	4.95	
38 Vinyl acetate	43	8.904	8.910	-0.006	99	308138	4.99	5.37	
39 cis-1,2-Dichloroethene	96	9.953	9.958	-0.005	90	298629	4.99	5.18	
40 2-Butanone (MEK)	72	10.028	10.028	0.000	94	92649	4.99	5.23	
42 Ethyl acetate	88	10.071	10.076	-0.005	99	13862	4.99	5.26	
S 41 1,2-Dichloroethene, Total	61				0		9.99	10.4	
44 Tetrahydrofuran	42	10.424	10.424	0.000	89	135743	4.99	5.51	
* 43 Chlorobromomethane	128	10.429	10.434	-0.005	73	659966	10.0	10.0	
45 Chloroform	83	10.573	10.579	-0.006	99	622301	4.99	5.23	
46 Cyclohexane	84	10.782	10.787	-0.005	81	311095	4.99	5.36	
47 1,1,1-Trichloroethane	97	10.836	10.836	0.000	95	722761	4.99	5.41	
48 Carbon tetrachloride	117	11.076	11.082	-0.006	96	940346	4.99	5.23	
51 Isooctane	57	11.531	11.531	0.000	99	975981	4.99	5.52	
50 Benzene	78	11.568	11.569	-0.001	93	866366	4.99	5.38	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	99	409558	4.99	5.41	
53 n-Heptane	43	11.938	11.938	0.000	84	320065	4.99	5.47	
* 54 1,4-Difluorobenzene	114	12.440	12.441	-0.001	90	3638409	10.0	10.0	
55 n-Butanol	56	12.868	12.863	0.005	83	116839	4.99	5.17	
56 Trichloroethene	95	12.890	12.895	-0.005	92	601665	4.99	5.17	
A 57 GRO	1	13.074	(4.625-21.524)		0	137692284	4.99	0	
58 1,2-Dichloropropane	63	13.473	13.473	0.000	92	396923	4.99	5.39	
59 Methyl methacrylate	69	13.660	13.660	0.000	77	354345	4.99	5.39	
60 1,4-Dioxane	88	13.703	13.698	0.005	82	190151	4.99	5.38	
61 Dibromomethane	174	13.730	13.730	0.000	89	889445	4.99	5.36	
62 Dichlorobromomethane	83	14.045	14.045	0.000	97	1107576	4.99	5.42	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	262891225	4.99	0	
64 cis-1,3-Dichloropropene	75	15.030	15.024	0.006	86	800005	4.99	5.56	
65 4-Methyl-2-pentanone (MIBK)	43	15.345	15.345	0.000	94	668136	4.99	5.33	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	3982953	NC	NC	
66 Toluene	92	15.634	15.634	0.000	94	1091891	4.99	6.00	
A 68 C8 Range	1	15.712	(15.649-15.749)		0	3081050	NC	NC	
69 n-Octane	43	15.698	15.699	-0.001	86	679811	4.99	5.88	
70 trans-1,3-Dichloropropene	75	16.271	16.271	0.000	92	839204	4.99	5.64	
71 1,1,2-Trichloroethane	83	16.656	16.656	0.000	95	576495	4.99	5.96	
72 Tetrachloroethene	166	16.736	16.736	0.000	94	1313294	4.99	5.38	
73 2-Hexanone	43	17.127	17.127	0.000	91	657345	4.99	5.65	
74 Chlorodibromomethane	129	17.432	17.432	0.000	97	1621516	4.99	5.88	
75 Ethylene Dibromide	107	17.705	17.705	0.000	99	1284392	4.99	5.99	
* 76 Chlorobenzene-d5	117	18.614	18.614	0.000	80	3977603	10.0	10.0	
77 Chlorobenzene	112	18.678	18.678	0.000	99	1696224	4.99	5.82	
78 Ethylbenzene	91	18.833	18.833	0.000	96	2299201	4.99	6.04	
79 n-Nonane	57	18.962	18.962	0.000	82	793770	4.99	6.23	
80 m-Xylene & p-Xylene	106	19.090	19.090	0.000	98	2023026	9.99	12.2	
83 o-Xylene	106	19.941	19.941	0.000	96	1048212	4.99	6.00	
84 Styrene	104	19.994	19.994	0.000	99	1543131	4.99	6.30	
S 82 Xylenes, Total	106				0		15.0	18.2	
85 Bromoform	173	20.417	20.417	0.000	98	1901837	4.99	5.96	
86 Isopropylbenzene	105	20.626	20.626	0.000	94	2756567	4.99	5.95	
* 87 4-Bromofluorobenzene	95	20.989	20.989	0.000	96	2438335	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.284	21.284	0.000	97	1469369	4.99	6.13	
90 N-Propylbenzene	91	21.342	21.342	0.000	100	3139875	4.99	6.09	
89 1,2,3-Trichloropropane	75	21.380	21.375	0.005	95	1027053	4.99	6.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	83	980994	4.99	6.77	
91 4-Ethyltoluene	105	21.530	21.530	0.000	98	2674878	4.99	6.26	
92 2-Chlorotoluene	91	21.535	21.535	0.000	93	2132794	4.99	6.34	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	95	2304215	4.99	6.09	
95 Alpha Methyl Styrene	118	22.000	22.000	0.000	93	1322138	4.99	6.16	
96 tert-Butylbenzene	119	22.123	22.124	-0.001	95	2334681	4.99	6.16	
97 1,2,4-Trimethylbenzene	105	22.214	22.214	0.000	95	2342749	4.99	6.30	
98 sec-Butylbenzene	105	22.444	22.444	0.000	99	3368522	4.99	6.34	
99 4-Isopropyltoluene	119	22.642	22.642	0.000	97	2989165	4.99	6.29	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	99	2065097	4.99	6.18	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	97	2096584	4.99	5.95	
102 Benzyl chloride	91	23.006	23.006	0.000	99	2050975	4.99	6.58	
103 n-Butylbenzene	91	23.209	23.210	-0.001	98	2454528	4.99	6.53	
104 Undecane	57	23.231	23.231	0.000	90	1072885	4.99	7.21	
105 1,2-Dichlorobenzene	146	23.332	23.333	-0.001	100	1987125	4.99	6.04	
106 Dodecane	57	24.804	24.804	0.000	91	505603	4.99	4.77	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	92	1666134	4.99	5.76	
108 Hexachlorobutadiene	225	26.013	26.013	0.000	94	1588774	4.99	6.16	
109 Naphthalene	128	26.323	26.323	0.000	99	2789120	4.99	5.69	
110 1,2,3-Trichlorobenzene	180	26.799	26.794	0.005	95	1352324	4.99	6.58	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL3w_00128

Amount Added: 200.00

Units: mL

ATTO15GIS_00009

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_006.D

Injection Date: 02-Jul-2014 19:26:30

Instrument ID: CHG.i

Operator ID: PAD

Lims ID: IC

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

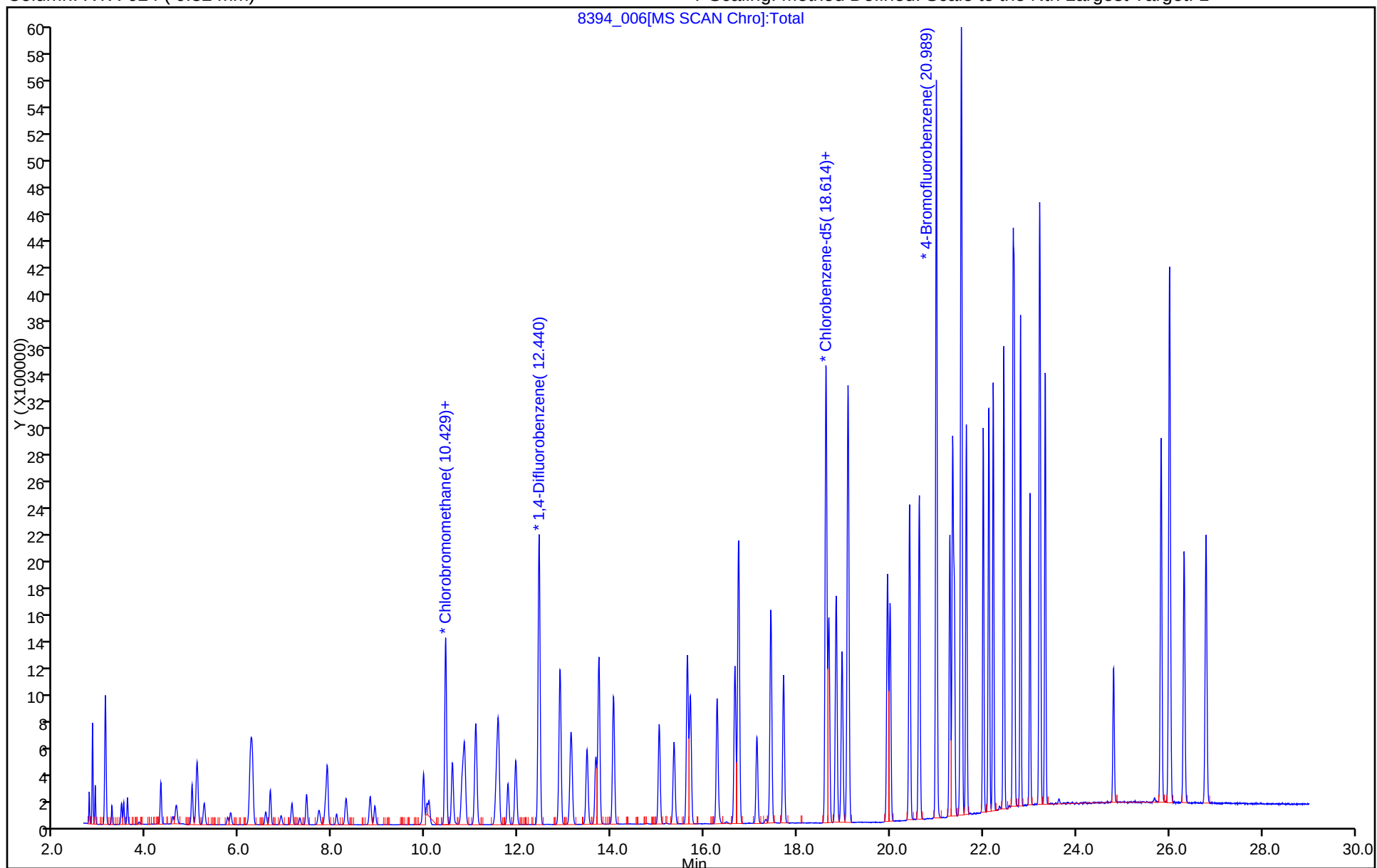
ALS Bottle#: 5

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_007.D
 Lims ID: ICIS
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 02-Jul-2014 20:17:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0008394-007
 Misc. Info.: icis-05
 Operator ID: PAD Instrument ID: CHG.i
 Sublist: chrom-TO15_LLNJ_TO3_G*sub3
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 03-Jul-2014 12:48:16 Calib Date: 02-Jul-2014 22:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last Ical File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: daiglep

Date: 03-Jul-2014 10:34:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.758	2.758	0.000	96	170098	10.0	9.88	
2 Dichlorodifluoromethane	85	2.827	2.827	0.000	98	1388924	10.0	10.1	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	531495	10.0	10.0	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	95	1178683	10.0	9.80	
8 Chloromethane	50	3.244	3.244	0.000	99	264186	10.0	9.99	
9 Butane	43	3.453	3.453	0.000	97	327428	10.0	9.87	
10 Vinyl chloride	62	3.501	3.501	0.000	97	349959	10.0	9.34	
11 Butadiene	54	3.581	3.581	0.000	90	211856	10.0	9.64	
12 Bromomethane	94	4.298	4.298	0.000	98	504040	10.0	9.78	
14 Chloroethane	64	4.560	4.560	0.000	99	128119	10.0	9.86	
15 2-Methylbutane	43	4.635	4.635	0.000	87	198285	10.0	9.73	
16 Vinyl bromide	106	4.972	4.972	0.000	98	597098	10.0	9.91	
17 Trichlorofluoromethane	101	5.079	5.079	0.000	98	1516389	10.0	9.85	
18 Pentane	43	5.235	5.235	0.000	94	336759	10.0	9.88	
19 Ethanol	45	5.737	5.737	0.000	95	112410	15.0	13.7	
21 Ethyl ether	59	5.802	5.802	0.000	91	175759	10.0	9.83	
22 Acrolein	56	6.224	6.224	0.000	96	74954	10.0	9.82	
23 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.235	0.000	93	1001116	10.0	9.91	
24 1,1-Dichloroethene	96	6.278	6.278	0.000	90	432465	10.0	9.81	
25 Acetone	43	6.556	6.556	0.000	87	385646	10.0	10.7	
26 Carbon disulfide	76	6.658	6.658	0.000	98	1076544	10.0	9.38	
27 Isopropyl alcohol	45	6.888	6.888	0.000	98	327317	10.0	10.9	
29 3-Chloro-1-propene	41	7.123	7.123	0.000	82	263998	10.0	9.38	
30 Acetonitrile	41	7.294	7.294	0.000	97	145956	10.0	10.2	
31 Methylene Chloride	49	7.439	7.439	0.000	80	313322	10.0	9.76	
32 2-Methyl-2-propanol	59	7.706	7.706	0.000	98	601255	10.0	10.8	
33 Methyl tert-butyl ether	73	7.851	7.851	0.000	94	990784	10.0	9.83	
34 trans-1,2-Dichloroethene	61	7.883	7.883	0.000	85	467993	10.0	9.79	
35 Acrylonitrile	53	8.081	8.081	0.000	96	176110	10.0	10.0	
36 Hexane	57	8.284	8.284	0.000	89	356751	10.0	9.63	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.808	8.808	0.000	99	664527	10.0	9.44	
38 Vinyl acetate	43	8.910	8.910	0.000	100	639235	10.0	9.99	
39 cis-1,2-Dichloroethene	96	9.958	9.958	0.000	90	625255	10.0	9.72	
40 2-Butanone (MEK)	72	10.028	10.028	0.000	96	194570	10.0	9.85	
42 Ethyl acetate	88	10.076	10.076	0.000	98	29405	10.0	10.0	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.5	
44 Tetrahydrofuran	42	10.424	10.424	0.000	79	290899	10.0	10.2	
* 43 Chlorobromomethane	128	10.434	10.434	0.000	66	736541	10.0	10.0	
45 Chloroform	83	10.579	10.579	0.000	98	1314095	10.0	9.89	
46 Cyclohexane	84	10.787	10.787	0.000	80	660836	10.0	9.82	
47 1,1,1-Trichloroethane	97	10.836	10.836	0.000	95	1515770	10.0	9.79	
48 Carbon tetrachloride	117	11.082	11.082	0.000	95	1995966	10.0	9.56	
51 Isooctane	57	11.531	11.531	0.000	99	2027474	10.0	9.88	
50 Benzene	78	11.569	11.569	0.000	93	1784486	10.0	9.56	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	99	863241	10.0	9.82	
53 n-Heptane	43	11.938	11.938	0.000	84	659127	10.0	9.71	
* 54 1,4-Difluorobenzene	114	12.441	12.441	0.000	90	4220208	10.0	10.0	
55 n-Butanol	56	12.863	12.863	0.000	83	287275	10.0	11.0	
56 Trichloroethene	95	12.895	12.895	0.000	92	1268564	10.0	9.40	
A 57 GRO	1	13.074	(4.625-21.524)		0	290127649	10.0	0	
58 1,2-Dichloropropane	63	13.473	13.473	0.000	93	851826	10.0	9.97	
59 Methyl methacrylate	69	13.660	13.660	0.000	78	775397	10.0	10.2	
60 1,4-Dioxane	88	13.698	13.698	0.000	81	448454	10.0	10.9	
61 Dibromomethane	174	13.730	13.730	0.000	89	1895687	10.0	9.85	
62 Dichlorobromomethane	83	14.045	14.045	0.000	97	2376718	10.0	10.0	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	556782059	10.0	0	
64 cis-1,3-Dichloropropene	75	15.024	15.024	0.000	86	1696969	10.0	10.2	
65 4-Methyl-2-pentanone (MIBK)	43	15.345	15.345	0.000	91	1412894	10.0	9.71	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	8197741	NC	NC	
66 Toluene	92	15.634	15.634	0.000	94	2285976	10.0	10.0	
A 68 C8 Range	1	15.712	(15.649-15.749)		0	6360424	NC	NC	
69 n-Octane	43	15.699	15.699	0.000	83	1373381	10.0	10.2	
70 trans-1,3-Dichloropropene	75	16.271	16.271	0.000	92	1785664	10.0	10.3	
71 1,1,2-Trichloroethane	83	16.656	16.656	0.000	95	1240809	10.0	10.3	
72 Tetrachloroethene	166	16.736	16.736	0.000	94	2829359	10.0	9.26	
73 2-Hexanone	43	17.127	17.127	0.000	90	1390936	10.0	9.56	
74 Chlorodibromomethane	129	17.432	17.432	0.000	97	3557458	10.0	10.3	
75 Ethylene Dibromide	107	17.705	17.705	0.000	99	2735727	10.0	10.2	
* 76 Chlorobenzene-d5	117	18.614	18.614	0.000	79	4976595	10.0	10.0	
77 Chlorobenzene	112	18.678	18.678	0.000	99	3607841	10.0	9.90	
78 Ethylbenzene	91	18.833	18.833	0.000	96	4809938	10.0	10.1	
79 n-Nonane	57	18.962	18.962	0.000	82	1633586	10.0	10.2	
80 m-Xylene & p-Xylene	106	19.090	19.090	0.000	97	4226010	20.0	20.3	
83 o-Xylene	106	19.941	19.941	0.000	96	2225939	10.0	10.2	
84 Styrene	104	19.994	19.994	0.000	98	3266111	10.0	10.7	
S 82 Xylenes, Total	106				0		30.0	30.5	
85 Bromoform	173	20.417	20.417	0.000	98	4164584	10.0	10.4	
86 Isopropylbenzene	105	20.626	20.626	0.000	94	5861433	10.0	10.1	
* 87 4-Bromofluorobenzene	95	20.989	20.989	0.000	94	3101909	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.284	21.284	0.000	97	3101329	10.0	10.3	
90 N-Propylbenzene	91	21.342	21.342	0.000	99	6572073	10.0	10.2	
89 1,2,3-Trichloropropane	75	21.375	21.375	0.000	93	2143237	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	83	1932680	10.0	10.7	
91 4-Ethyltoluene	105	21.530	21.530	0.000	97	5547856	10.0	10.4	
92 2-Chlorotoluene	91	21.535	21.535	0.000	93	4332664	10.0	10.3	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	95	4884740	10.0	10.3	
95 Alpha Methyl Styrene	118	22.000	22.000	0.000	94	2862811	10.0	10.7	
96 tert-Butylbenzene	119	22.124	22.124	0.000	95	4911360	10.0	10.4	
97 1,2,4-Trimethylbenzene	105	22.214	22.214	0.000	95	4756462	10.0	10.2	
98 sec-Butylbenzene	105	22.444	22.444	0.000	99	6952758	10.0	10.5	
99 4-Isopropyltoluene	119	22.642	22.642	0.000	97	6236657	10.0	10.5	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	99	4265753	10.0	10.2	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	97	4489041	10.0	10.2	
102 Benzyl chloride	91	23.006	23.006	0.000	99	3866190	10.0	9.92	
103 n-Butylbenzene	91	23.210	23.210	0.000	98	4995441	10.0	10.6	
104 Undecane	57	23.231	23.231	0.000	90	1983037	10.0	10.7	
105 1,2-Dichlorobenzene	146	23.333	23.333	0.000	99	4218686	10.0	10.3	
106 Dodecane	57	24.804	24.804	0.000	91	1318300	10.0	9.95	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	93	3928763	10.0	10.8	
108 Hexachlorobutadiene	225	26.013	26.013	0.000	97	3446578	10.0	10.7	
109 Naphthalene	128	26.323	26.323	0.000	99	7110590	10.0	11.6	
110 1,2,3-Trichlorobenzene	180	26.794	26.794	0.000	95	3327278	10.0	12.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00372

Amount Added: 200.00

Units: mL

ATTO15GIS_00009

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_007.D

Injection Date: 02-Jul-2014 20:17:30

Instrument ID: CHG.i

Operator ID: PAD

Lims ID: ICIS

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

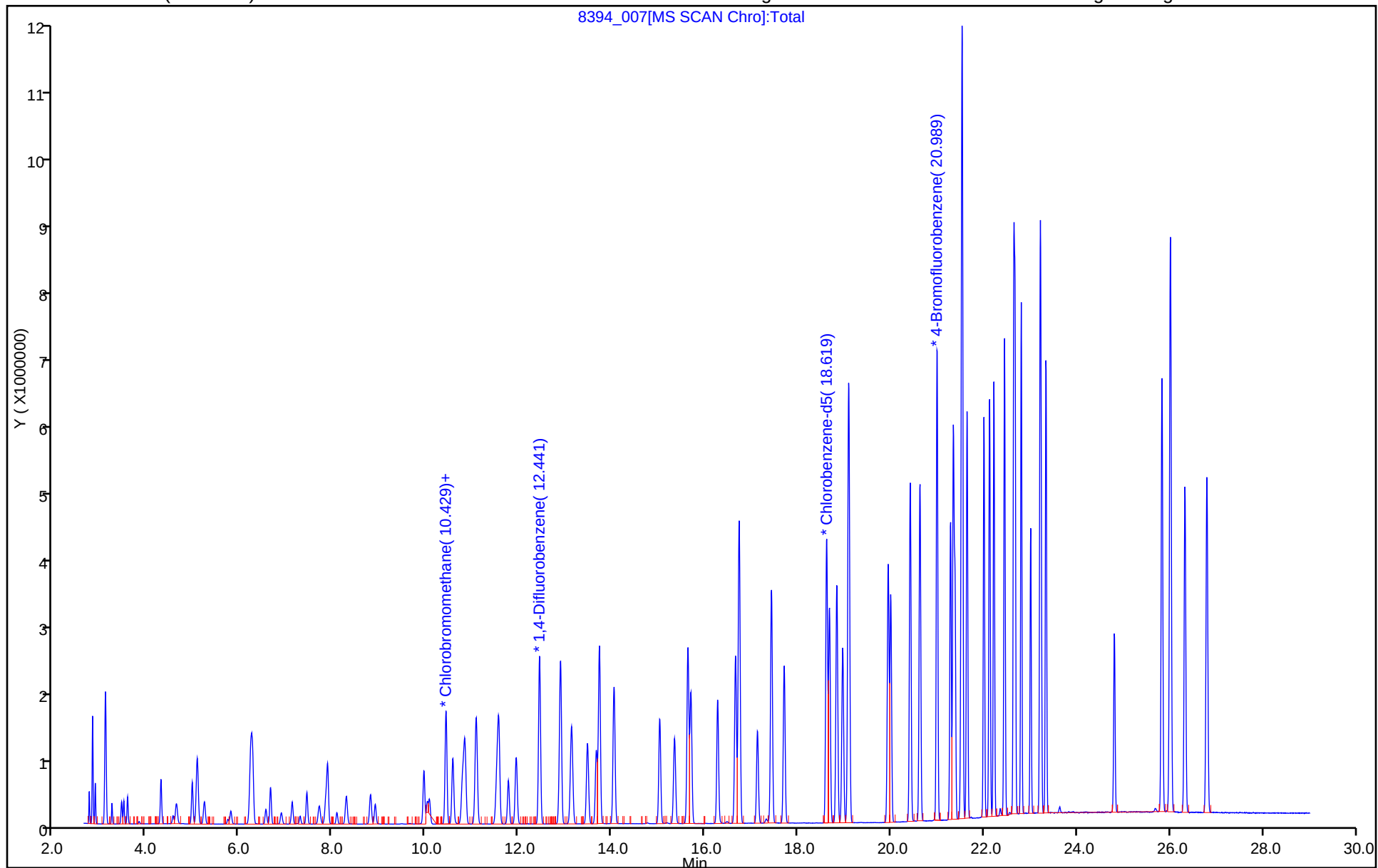
ALS Bottle#: 6

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_008.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 02-Jul-2014 21:08:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0008394-008
 Misc. Info.: ic-06
 Operator ID: PAD Instrument ID: CHG.i
 Sublist: chrom-TO15_LLNJ_TO3_G*sub3
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 03-Jul-2014 12:48:18 Calib Date: 02-Jul-2014 22:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last Ical File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: daiglep

Date: 03-Jul-2014 11:51:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.758	2.758	0.000	97	248238	15.0	14.3	
2 Dichlorodifluoromethane	85	2.833	2.827	0.006	99	2052460	15.0	14.7	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	781362	15.0	14.6	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	95	1730831	15.0	14.2	
8 Chloromethane	50	3.250	3.244	0.006	98	389619	15.0	14.6	
9 Butane	43	3.453	3.453	0.000	97	480180	15.0	14.3	
10 Vinyl chloride	62	3.501	3.501	0.000	97	516605	15.0	13.6	
11 Butadiene	54	3.582	3.581	0.001	90	314284	15.0	14.1	
12 Bromomethane	94	4.304	4.298	0.006	98	748619	15.0	14.4	
14 Chloroethane	64	4.561	4.560	0.001	99	191365	15.0	14.6	
15 2-Methylbutane	43	4.635	4.635	0.000	87	292654	15.0	14.2	
16 Vinyl bromide	106	4.972	4.972	0.000	98	896832	15.0	14.7	
17 Trichlorofluoromethane	101	5.079	5.079	0.000	98	2245848	15.0	14.4	
18 Pentane	43	5.235	5.235	0.001	93	492875	15.0	14.3	
19 Ethanol	45	5.743	5.737	0.006	95	147485	20.0	17.8	
21 Ethyl ether	59	5.802	5.802	0.000	92	257695	15.0	14.3	
22 Acrolein	56	6.224	6.224	0.000	96	110757	15.0	14.3	
23 1,1,2-Trichloro-1,2,2-trif	101	6.240	6.235	0.005	94	1473574	15.0	14.4	
24 1,1-Dichloroethene	96	6.278	6.278	0.000	91	633456	15.0	14.2	
25 Acetone	43	6.556	6.556	0.000	87	543463	15.0	14.9	
26 Carbon disulfide	76	6.658	6.658	0.000	98	1595637	15.0	13.7	
27 Isopropyl alcohol	45	6.888	6.888	0.000	98	460324	15.0	15.1	
29 3-Chloro-1-propene	41	7.123	7.123	0.000	82	392816	15.0	13.8	
30 Acetonitrile	41	7.294	7.294	0.000	98	216661	15.0	15.0	
31 Methylene Chloride	49	7.439	7.439	0.000	80	465923	15.0	14.3	
32 2-Methyl-2-propanol	59	7.706	7.706	0.000	98	858559	15.0	15.2	
33 Methyl tert-butyl ether	73	7.856	7.851	0.006	94	1482379	15.0	14.5	
34 trans-1,2-Dichloroethene	61	7.888	7.883	0.005	90	696669	15.0	14.4	
35 Acrylonitrile	53	8.086	8.081	0.005	93	264296	15.0	14.9	
36 Hexane	57	8.284	8.284	0.000	89	535339	15.0	14.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.808	8.808	0.000	99	992349	15.0	13.9	
38 Vinyl acetate	43	8.910	8.910	0.000	99	961163	15.0	14.8	
39 cis-1,2-Dichloroethene	96	9.958	9.958	0.000	89	944053	15.0	14.5	
40 2-Butanone (MEK)	72	10.028	10.028	0.000	97	285885	15.0	14.3	
42 Ethyl acetate	88	10.081	10.076	0.005	99	45214	15.0	15.2	
S 41 1,2-Dichloroethene, Total	61				0		30.0	28.9	
44 Tetrahydrofuran	42	10.424	10.424	0.000	88	430719	15.0	14.9	
* 43 Chlorobromomethane	128	10.434	10.434	0.000	68	745017	10.0	10.0	
45 Chloroform	83	10.579	10.579	0.000	98	1949887	15.0	14.5	
46 Cyclohexane	84	10.788	10.787	0.001	81	972806	15.0	14.3	
47 1,1,1-Trichloroethane	97	10.836	10.836	0.000	95	2259124	15.0	14.4	
48 Carbon tetrachloride	117	11.082	11.082	0.000	96	2982638	15.0	14.1	
51 Isooctane	57	11.537	11.531	0.006	99	2969645	15.0	14.3	
50 Benzene	78	11.569	11.569	0.000	93	2622407	15.0	13.9	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	99	1286886	15.0	14.4	
53 n-Heptane	43	11.943	11.938	0.005	83	964807	15.0	14.0	
* 54 1,4-Difluorobenzene	114	12.446	12.441	0.005	90	4281270	10.0	10.0	
55 n-Butanol	56	12.869	12.863	0.006	83	387928	15.0	14.6	
56 Trichloroethene	95	12.895	12.895	0.000	91	1874574	15.0	13.7	
A 57 GRO	1	13.074	(4.625-21.524)		0	429099806	15.0	0	
58 1,2-Dichloropropane	63	13.473	13.473	0.000	92	1270840	15.0	14.7	
59 Methyl methacrylate	69	13.666	13.660	0.006	77	1168433	15.0	15.1	
60 1,4-Dioxane	88	13.703	13.698	0.005	86	633593	15.0	15.2	
61 Dibromomethane	174	13.735	13.730	0.005	88	2853915	15.0	14.6	
62 Dichlorobromomethane	83	14.046	14.045	0.001	96	3580395	15.0	14.9	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	808683725	15.0	0	
64 cis-1,3-Dichloropropene	75	15.025	15.024	0.001	86	2556635	15.0	15.1	
65 4-Methyl-2-pentanone (MIBK)	43	15.346	15.345	0.001	91	2088690	15.0	14.2	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	12692022	NC	NC	
66 Toluene	92	15.634	15.634	0.000	94	3405892	15.0	14.7	
A 68 C8 Range	1	15.715	(15.649-15.749)		0	8797744	NC	NC	
69 n-Octane	43	15.699	15.699	0.000	91	1993459	15.0	14.7	
70 trans-1,3-Dichloropropene	75	16.271	16.271	0.000	91	2689208	15.0	15.4	
71 1,1,2-Trichloroethane	83	16.656	16.656	0.000	94	1839935	15.0	15.0	
72 Tetrachloroethene	166	16.736	16.736	0.000	94	4277622	15.0	13.8	
73 2-Hexanone	43	17.127	17.127	0.000	90	2067147	15.0	14.0	
74 Chlorodibromomethane	129	17.432	17.432	0.000	97	5374683	15.0	15.3	
75 Ethylene Dibromide	107	17.705	17.705	0.000	99	4097725	15.0	15.0	
* 76 Chlorobenzene-d5	117	18.620	18.614	0.006	79	5054250	10.0	10.0	
77 Chlorobenzene	112	18.678	18.678	0.000	99	5397449	15.0	14.6	
78 Ethylbenzene	91	18.839	18.833	0.006	96	7099201	15.0	14.7	
79 n-Nonane	57	18.962	18.962	0.000	81	2369525	15.0	14.6	
80 m-Xylene & p-Xylene	106	19.090	19.090	0.000	97	6092796	30.0	28.9	
83 o-Xylene	106	19.941	19.941	0.000	96	3299986	15.0	14.9	
84 Styrene	104	19.994	19.994	0.000	99	4600154	15.0	14.8	
S 82 Xylenes, Total	106				0		45.0	43.7	
85 Bromoform	173	20.417	20.417	0.000	98	6287112	15.0	15.5	
86 Isopropylbenzene	105	20.626	20.626	0.000	94	8627384	15.0	14.7	
* 87 4-Bromofluorobenzene	95	20.995	20.989	0.006	94	3079243	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.284	21.284	0.000	96	4538003	15.0	14.9	
90 N-Propylbenzene	91	21.343	21.342	0.001	99	9620625	15.0	14.7	
89 1,2,3-Trichloropropane	75	21.380	21.375	0.005	93	3149011	15.0	14.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	83	2664452	15.0	14.5	
91 4-Ethyltoluene	105	21.535	21.530	0.005	97	7924974	15.0	14.6	
92 2-Chlorotoluene	91	21.540	21.535	0.005	95	6130377	15.0	14.3	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	95	7052115	15.0	14.7	
95 Alpha Methyl Styrene	118	22.001	22.000	0.001	94	4107911	15.0	15.1	
96 tert-Butylbenzene	119	22.124	22.124	0.000	95	6850331	15.0	14.2	
97 1,2,4-Trimethylbenzene	105	22.215	22.214	0.001	95	6567904	15.0	13.9	
98 sec-Butylbenzene	105	22.445	22.444	0.001	99	9618961	15.0	14.2	
99 4-Isopropyltoluene	119	22.643	22.642	0.001	97	8610591	15.0	14.3	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	99	5898248	15.0	13.9	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	97	6618313	15.0	14.8	
102 Benzyl chloride	91	23.006	23.006	0.000	99	5402313	15.0	13.6	
103 n-Butylbenzene	91	23.210	23.210	0.000	98	6637133	15.0	13.9	
104 Undecane	57	23.231	23.231	0.000	90	2635136	15.0	13.9	
105 1,2-Dichlorobenzene	146	23.338	23.333	0.005	99	5865567	15.0	14.0	
106 Dodecane	57	24.804	24.804	0.000	92	2193018	15.0	16.3	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	93	5759291	15.0	15.7	
108 Hexachlorobutadiene	225	26.013	26.013	0.000	97	5196551	15.0	15.8	
109 Naphthalene	128	26.323	26.323	0.000	99	9597027	15.0	15.4	
110 1,2,3-Trichlorobenzene	180	26.799	26.794	0.005	95	5044738	15.0	19.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL5w_00046

Amount Added: 200.00

Units: mL

ATTO15GIS_00009

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_008.D

Injection Date: 02-Jul-2014 21:08:30

Instrument ID: CHG.i

Operator ID: PAD

Lims ID: IC

Worklist Smp#: 8

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

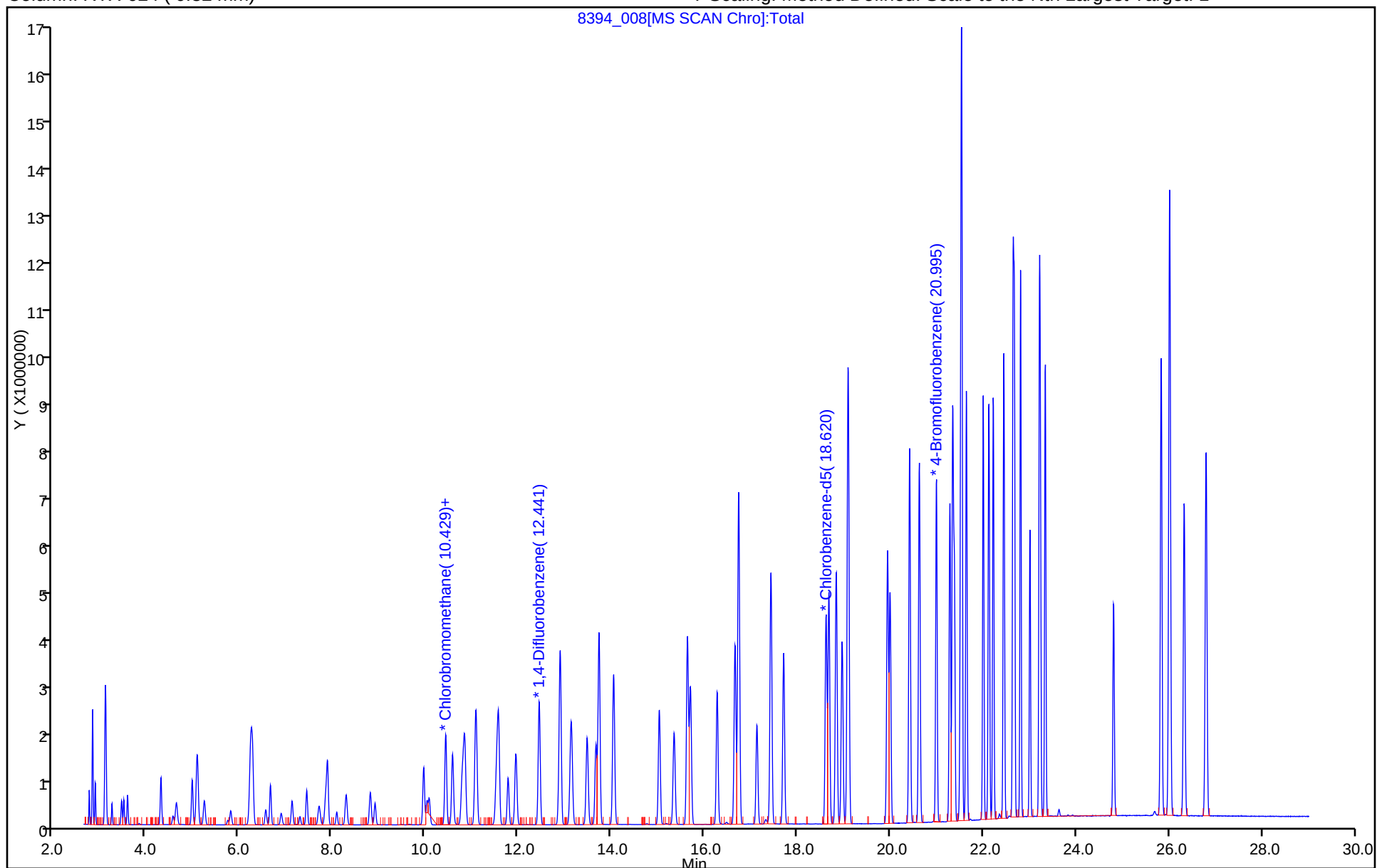
ALS Bottle#: 7

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_009.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 02-Jul-2014 21:59:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0008394-009
 Misc. Info.: ic-07
 Operator ID: PAD Instrument ID: CHG.i
 Sublist: chrom-TO15_LLNJ_TO3_G*sub3
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 03-Jul-2014 12:48:20 Calib Date: 02-Jul-2014 22:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: daiglep

Date: 03-Jul-2014 11:52:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.757	2.758	-0.001	96	334533	20.0	18.9	
2 Dichlorodifluoromethane	85	2.832	2.827	0.005	98	2746723	20.0	19.4	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	1055477	20.0	19.4	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	95	2301387	20.0	18.7	
8 Chloromethane	50	3.250	3.244	0.006	98	522865	20.0	19.3	
9 Butane	43	3.453	3.453	0.000	96	650927	20.0	19.1	
10 Vinyl chloride	62	3.501	3.501	0.000	97	698882	20.0	18.2	
11 Butadiene	54	3.581	3.581	0.000	90	423907	20.0	18.8	
12 Bromomethane	94	4.304	4.298	0.006	98	1013830	20.0	19.2	
14 Chloroethane	64	4.560	4.560	0.000	100	260103	20.0	19.5	
15 2-Methylbutane	43	4.635	4.635	0.000	86	391064	20.0	18.7	
16 Vinyl bromide	106	4.978	4.972	0.006	98	1204122	20.0	19.5	
17 Trichlorofluoromethane	101	5.085	5.079	0.006	98	3019351	20.0	19.1	
18 Pentane	43	5.234	5.235	0.000	94	662396	20.0	19.0	
19 Ethanol	45	5.743	5.737	0.006	95	361264	40.0	43.1	
21 Ethyl ether	59	5.807	5.802	0.005	91	352366	20.0	19.2	
22 Acrolein	56	6.224	6.224	0.000	96	158749	20.0	20.3	
23 1,1,2-Trichloro-1,2,2-trif	101	6.240	6.235	0.005	94	1978116	20.0	19.1	
24 1,1-Dichloroethene	96	6.278	6.278	0.000	91	856937	20.0	19.0	
25 Acetone	43	6.561	6.556	0.005	87	696447	20.0	18.8	
26 Carbon disulfide	76	6.657	6.658	-0.001	98	2167289	20.0	18.4	
27 Isopropyl alcohol	45	6.893	6.888	0.005	98	593698	20.0	19.2	
29 3-Chloro-1-propene	41	7.128	7.123	0.005	81	541845	20.0	18.8	
30 Acetonitrile	41	7.294	7.294	0.000	98	280622	20.0	19.1	
31 Methylene Chloride	49	7.438	7.439	-0.001	79	623529	20.0	18.9	
32 2-Methyl-2-propanol	59	7.711	7.706	0.005	98	1105577	20.0	19.3	
33 Methyl tert-butyl ether	73	7.856	7.851	0.006	94	2009215	20.0	19.4	
34 trans-1,2-Dichloroethene	61	7.888	7.883	0.005	86	935122	20.0	19.1	
35 Acrylonitrile	53	8.086	8.081	0.005	94	356881	20.0	19.9	
36 Hexane	57	8.289	8.284	0.005	89	711926	20.0	18.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.808	8.808	0.000	99	1342070	20.0	18.6	
38 Vinyl acetate	43	8.915	8.910	0.005	99	1311958	20.0	20.0	
39 cis-1,2-Dichloroethene	96	9.958	9.958	0.000	95	1275346	20.0	19.3	
40 2-Butanone (MEK)	72	10.033	10.028	0.005	97	379857	20.0	18.7	
42 Ethyl acetate	88	10.076	10.076	0.000	97	59932	20.0	19.9	
S 41 1,2-Dichloroethene, Total	61				0		40.0	38.4	
44 Tetrahydrofuran	42	10.424	10.424	0.000	95	576204	20.0	19.4	
* 43 Chlorobromomethane	128	10.434	10.434	0.000	77	755314	10.0	10.0	
45 Chloroform	83	10.579	10.579	0.000	99	2641991	20.0	19.4	
46 Cyclohexane	84	10.787	10.787	0.000	80	1316475	20.0	18.9	
47 1,1,1-Trichloroethane	97	10.841	10.836	0.005	95	3048069	20.0	19.0	
48 Carbon tetrachloride	117	11.082	11.082	0.000	96	4032530	20.0	18.6	
51 Isooctane	57	11.536	11.531	0.005	99	3960383	20.0	18.6	
50 Benzene	78	11.568	11.569	-0.001	93	3505680	20.0	18.1	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	99	1739793	20.0	19.1	
53 n-Heptane	43	11.943	11.938	0.005	83	1286239	20.0	18.3	
* 54 1,4-Difluorobenzene	114	12.446	12.441	0.005	90	4379496	10.0	10.0	
55 n-Butanol	56	12.863	12.863	0.000	85	544324	20.0	20.0	
56 Trichloroethene	95	12.895	12.895	0.000	91	2502989	20.0	17.9	
A 57 GRO	1	13.074	(4.625-21.524)		0	575680656	20.0	0	
58 1,2-Dichloropropane	63	13.473	13.473	0.000	92	1712858	20.0	19.3	
59 Methyl methacrylate	69	13.660	13.660	0.000	76	1568102	20.0	19.8	
60 1,4-Dioxane	88	13.703	13.698	0.005	81	794147	20.0	18.7	
61 Dibromomethane	174	13.735	13.730	0.005	88	3877032	20.0	19.4	
62 Dichlorobromomethane	83	14.045	14.045	0.000	96	4874941	20.0	19.8	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	1088336592	20.0	0	
64 cis-1,3-Dichloropropene	75	15.030	15.024	0.006	85	3462439	20.0	20.0	
65 4-Methyl-2-pentanone (MIBK)	43	15.345	15.345	0.000	91	2774196	20.0	18.4	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	16839933	NC	NC	
66 Toluene	92	15.634	15.634	0.000	94	4560578	20.0	19.2	
A 68 C8 Range	1	15.715	(15.649-15.749)		0	11712869	NC	NC	
69 n-Octane	43	15.698	15.699	-0.001	83	2617124	20.0	18.8	
70 trans-1,3-Dichloropropene	75	16.271	16.271	0.000	92	3633133	20.0	20.3	
71 1,1,2-Trichloroethane	83	16.656	16.656	0.000	94	2415800	20.0	19.2	
72 Tetrachloroethene	166	16.736	16.736	0.000	93	5881274	20.0	18.5	
73 2-Hexanone	43	17.132	17.127	0.005	90	2742915	20.0	18.1	
74 Chlorodibromomethane	129	17.432	17.432	0.000	97	7347985	20.0	20.5	
75 Ethylene Dibromide	107	17.705	17.705	0.000	99	5520975	20.0	19.8	
* 76 Chlorobenzene-d5	117	18.619	18.614	0.005	79	5178674	10.0	10.0	
77 Chlorobenzene	112	18.678	18.678	0.000	99	7281602	20.0	19.2	
78 Ethylbenzene	91	18.839	18.833	0.006	95	9524030	20.0	19.2	
79 n-Nonane	57	18.962	18.962	0.000	81	3141246	20.0	18.9	
80 m-Xylene & p-Xylene	106	19.095	19.090	0.005	97	8031951	40.0	37.1	
83 o-Xylene	106	19.941	19.941	0.000	97	4410067	20.0	19.4	
84 Styrene	104	20.000	19.994	0.006	98	5911640	20.0	18.5	
S 82 Xylenes, Total	106				0		60.0	56.5	
85 Bromoform	173	20.417	20.417	0.000	98	8543463	20.0	20.6	
86 Isopropylbenzene	105	20.625	20.626	-0.001	93	11655853	20.0	19.3	
* 87 4-Bromofluorobenzene	95	20.989	20.989	0.000	94	3135214	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.283	21.284	-0.001	96	6053126	20.0	19.4	
90 N-Propylbenzene	91	21.342	21.342	0.000	99	12799413	20.0	19.1	
89 1,2,3-Trichloropropane	75	21.380	21.375	0.005	94	4165677	20.0	19.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	81	3333113	20.0	17.7	
91 4-Ethyltoluene	105	21.535	21.530	0.005	97	10084016	20.0	18.1	
92 2-Chlorotoluene	91	21.540	21.535	0.005	95	7722128	20.0	17.6	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	96	9084821	20.0	18.4	
95 Alpha Methyl Styrene	118	22.000	22.000	0.000	94	5355795	20.0	19.2	
96 tert-Butylbenzene	119	22.123	22.124	-0.001	95	8831941	20.0	17.9	
97 1,2,4-Trimethylbenzene	105	22.220	22.214	0.006	94	8678723	20.0	17.9	
98 sec-Butylbenzene	105	22.444	22.444	0.000	99	12272403	20.0	17.7	
99 4-Isopropyltoluene	119	22.642	22.642	0.000	97	11044565	20.0	17.8	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	98	7759937	20.0	17.8	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	96	8636137	20.0	18.8	
102 Benzyl chloride	91	23.006	23.006	0.000	99	8197057	20.0	20.2	
103 n-Butylbenzene	91	23.209	23.210	-0.001	97	8448748	20.0	17.3	
104 Undecane	57	23.231	23.231	0.000	88	3331874	20.0	17.2	
105 1,2-Dichlorobenzene	146	23.338	23.333	0.005	99	7713267	20.0	18.0	
106 Dodecane	57	24.804	24.804	0.000	90	3064336	20.0	22.2	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	93	8272628	20.0	22.0	
108 Hexachlorobutadiene	225	26.013	26.013	0.000	96	6989540	20.0	20.8	
109 Naphthalene	128	26.323	26.323	0.000	99	14578294	20.0	22.9	
110 1,2,3-Trichlorobenzene	180	26.799	26.794	0.005	95	7466788	20.0	27.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL6w_00092

Amount Added: 200.00

Units: mL

ATTO15GIS_00009

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_009.D

Injection Date: 02-Jul-2014 21:59:30

Instrument ID: CHG.i

Operator ID: PAD

Lims ID: IC

Worklist Smp#: 9

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

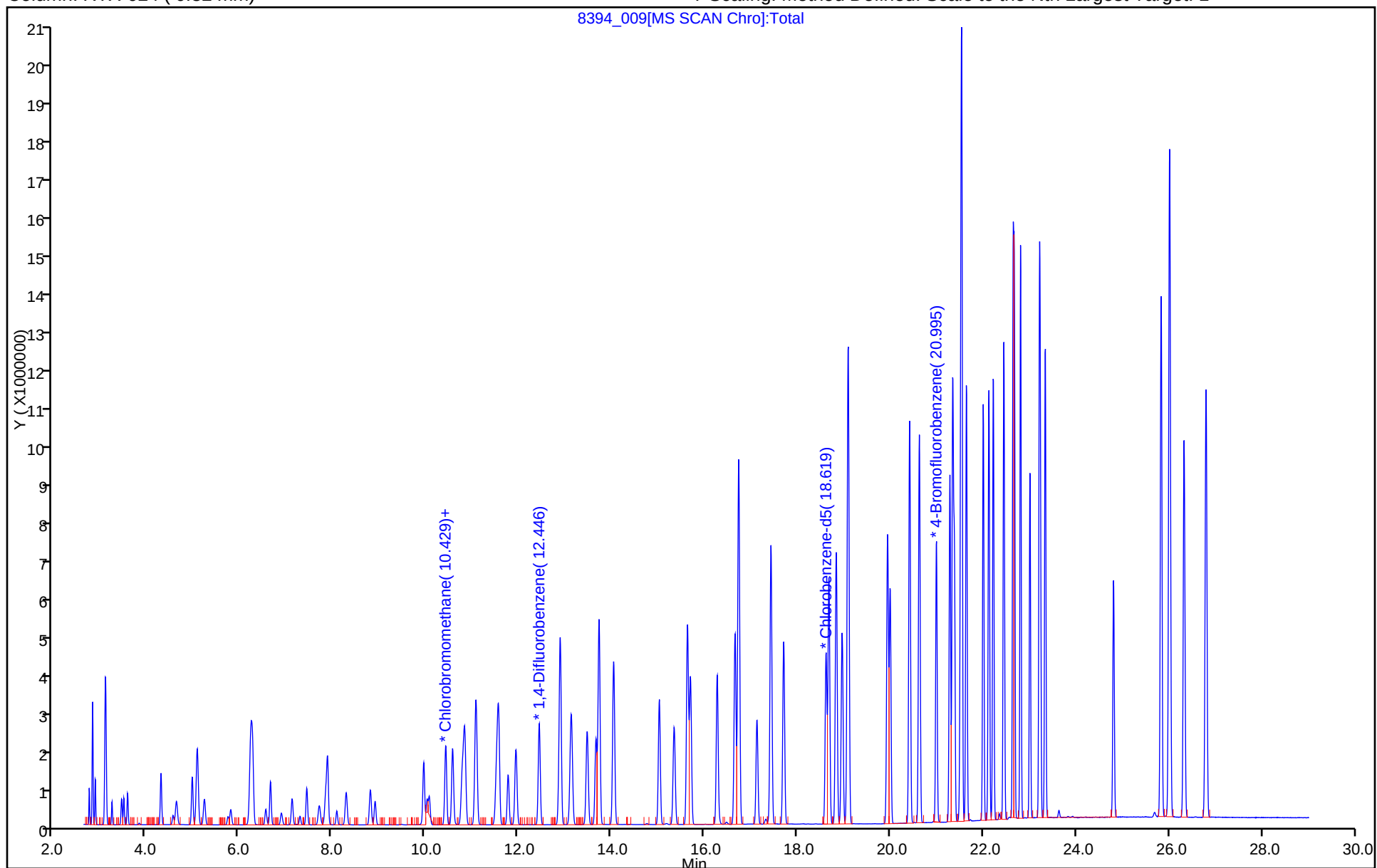
ALS Bottle#: 8

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 02-Jul-2014 22:50:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0008394-010
 Misc. Info.: ic-08
 Operator ID: PAD Instrument ID: CHG.i
 Sublist: chrom-TO15_LLNJ_TO3_G*sub3
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 03-Jul-2014 12:48:22 Calib Date: 02-Jul-2014 22:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK017

First Level Reviewer: daiglep

Date: 03-Jul-2014 11:56:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.758	2.758	0.000	97	629961	40.0	35.5	
2 Dichlorodifluoromethane	85	2.832	2.827	0.005	98	4986750	40.0	35.1	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	1948312	40.0	35.7	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	96	4178200	40.0	33.7	
8 Chloromethane	50	3.250	3.244	0.006	98	990675	40.0	36.4	
9 Butane	43	3.453	3.453	0.000	96	1211908	40.0	35.5	
10 Vinyl chloride	62	3.501	3.501	0.000	97	1315601	40.0	34.1	
11 Butadiene	54	3.587	3.581	0.006	89	793670	40.0	35.1	
12 Bromomethane	94	4.304	4.298	0.006	98	1887948	40.0	35.6	
14 Chloroethane	64	4.566	4.560	0.006	99	494901	40.0	37.0	
15 2-Methylbutane	43	4.635	4.635	0.000	86	739511	40.0	35.2	
16 Vinyl bromide	106	4.978	4.972	0.006	98	2269898	40.0	36.6	
17 Trichlorofluoromethane	101	5.085	5.079	0.006	98	5637436	40.0	35.5	
18 Pentane	43	5.240	5.235	0.006	93	1253971	40.0	35.7	
19 Ethanol	45	5.753	5.737	0.016	95	785938	100.0	93.3	M
21 Ethyl ether	59	5.807	5.802	0.005	86	668853	40.0	36.3	M
22 Acrolein	56	6.224	6.224	0.000	95	273249	40.0	34.8	
23 1,1,2-Trichloro-1,2,2-trif	101	6.240	6.235	0.005	93	3629111	40.0	34.9	
24 1,1-Dichloroethene	96	6.283	6.278	0.005	94	1581871	40.0	34.8	
25 Acetone	43	6.561	6.556	0.005	87	1396466	40.0	37.5	
26 Carbon disulfide	76	6.663	6.658	0.005	98	4095371	40.0	34.7	
27 Isopropyl alcohol	45	6.904	6.888	0.016	98	1213520	40.0	39.1	
29 3-Chloro-1-propene	41	7.128	7.123	0.005	81	1013681	40.0	35.0	
30 Acetonitrile	41	7.299	7.294	0.005	98	563737	40.0	38.3	
31 Methylene Chloride	49	7.439	7.439	0.000	79	1174184	40.0	35.5	
32 2-Methyl-2-propanol	59	7.717	7.706	0.011	98	2275587	40.0	39.6	
33 Methyl tert-butyl ether	73	7.856	7.851	0.006	94	3781742	40.0	36.4	
34 trans-1,2-Dichloroethene	61	7.893	7.883	0.010	85	1736064	40.0	35.3	
35 Acrylonitrile	53	8.091	8.081	0.010	93	687328	40.0	38.1	
36 Hexane	57	8.289	8.284	0.005	89	1355462	40.0	35.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.813	8.808	0.005	99	2548548	40.0	35.2	
38 Vinyl acetate	43	8.915	8.910	0.005	99	2466517	40.0	37.4	
39 cis-1,2-Dichloroethene	96	9.958	9.958	0.000	89	2394412	40.0	36.1	
40 2-Butanone (MEK)	72	10.033	10.028	0.005	97	735076	40.0	36.1	
42 Ethyl acetate	88	10.087	10.076	0.011	98	113515	40.0	37.5	
S 41 1,2-Dichloroethene, Total	61				0		80.0	71.4	
44 Tetrahydrofuran	42	10.424	10.424	0.000	81	1106888	40.0	36.7	
* 43 Chlorobromomethane	128	10.434	10.434	0.000	70	758522	10.0	10.0	
45 Chloroform	83	10.584	10.579	0.005	98	4915950	40.0	35.9	
46 Cyclohexane	84	10.787	10.787	0.000	79	2462409	40.0	34.7	
47 1,1,1-Trichloroethane	97	10.841	10.836	0.005	95	5702131	40.0	34.9	
48 Carbon tetrachloride	117	11.082	11.082	0.000	95	7570939	40.0	34.4	
51 Isooctane	57	11.536	11.531	0.005	99	7195316	40.0	33.3	
50 Benzene	78	11.574	11.569	0.005	92	6395577	40.0	32.5	
52 1,2-Dichloroethane	62	11.777	11.772	0.005	99	3314147	40.0	35.8	
53 n-Heptane	43	11.943	11.938	0.005	82	2340510	40.0	32.7	
* 54 1,4-Difluorobenzene	114	12.446	12.441	0.005	90	4448895	10.0	10.0	
55 n-Butanol	56	12.868	12.863	0.005	84	990577	40.0	35.8	
56 Trichloroethene	95	12.901	12.895	0.006	91	4552400	40.0	32.0	
A 57 GRO	1	13.074	(4.625-21.524)		0	1054197934	40.0	0	
58 1,2-Dichloropropane	63	13.478	13.473	0.005	91	3164014	40.0	35.1	
59 Methyl methacrylate	69	13.666	13.660	0.006	82	2895793	40.0	36.0	
60 1,4-Dioxane	88	13.703	13.698	0.005	85	1513809	40.0	35.1	
61 Dibromomethane	174	13.735	13.730	0.005	87	7212136	40.0	35.5	
62 Dichlorobromomethane	83	14.051	14.045	0.006	96	9094120	40.0	36.4	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	1932826589	40.0	0	
64 cis-1,3-Dichloropropene	75	15.030	15.024	0.006	85	6472768	40.0	36.8	
65 4-Methyl-2-pentanone (MIBK)	43	15.351	15.345	0.006	90	5091128	40.0	33.2	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	29136882	NC	NC	
66 Toluene	92	15.640	15.634	0.006	95	8223022	40.0	34.1	
A 68 C8 Range	1	15.715	(15.649-15.749)		0	21473689	NC	NC	
69 n-Octane	43	15.698	15.699	-0.001	81	4508533	40.0	31.9	
70 trans-1,3-Dichloropropene	75	16.276	16.271	0.005	91	6807440	40.0	37.4	
71 1,1,2-Trichloroethane	83	16.661	16.656	0.005	93	4606487	40.0	36.0	
72 Tetrachloroethene	166	16.742	16.736	0.006	93	11164328	40.0	34.5	
73 2-Hexanone	43	17.132	17.127	0.005	90	4954036	40.0	32.1	
74 Chlorodibromomethane	129	17.437	17.432	0.005	97	13941233	40.0	38.2	
75 Ethylene Dibromide	107	17.710	17.705	0.005	100	10316660	40.0	36.3	
* 76 Chlorobenzene-d5	117	18.619	18.614	0.005	79	5270207	10.0	10.0	
77 Chlorobenzene	112	18.684	18.678	0.006	98	13575617	40.0	35.2	
78 Ethylbenzene	91	18.839	18.833	0.006	95	16798557	40.0	33.3	
79 n-Nonane	57	18.967	18.962	0.005	80	5421533	40.0	32.1	
80 m-Xylene & p-Xylene	106	19.096	19.090	0.006	95	14527284	80.0	66.0	
83 o-Xylene	106	19.946	19.941	0.005	97	7856022	40.0	33.9	
84 Styrene	104	20.000	19.994	0.006	98	10747251	40.0	33.1	
S 82 Xylenes, Total	106				0		120.0	99.9	
85 Bromoform	173	20.422	20.417	0.005	98	15242409	40.0	36.1	
86 Isopropylbenzene	105	20.631	20.626	0.005	93	20767873	40.0	33.9	
* 87 4-Bromofluorobenzene	95	20.995	20.989	0.006	94	3202061	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.284	21.284	0.000	95	10610504	40.0	33.4	
90 N-Propylbenzene	91	21.342	21.342	0.000	97	21665918	40.0	31.7	
89 1,2,3-Trichloropropane	75	21.380	21.375	0.005	93	7417500	40.0	33.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	80	4985061	40.0	26.0	
91 4-Ethyltoluene	105	21.540	21.530	0.010	97	15395459	40.0	27.2	
92 2-Chlorotoluene	91	21.546	21.535	0.011	95	12029937	40.0	27.0	
94 1,3,5-Trimethylbenzene	105	21.642	21.637	0.005	97	16258887	40.0	32.4	
95 Alpha Methyl Styrene	118	22.006	22.000	0.006	94	9646840	40.0	33.9	
96 tert-Butylbenzene	119	22.123	22.124	-0.001	95	16293364	40.0	32.5	
97 1,2,4-Trimethylbenzene	105	22.220	22.214	0.006	93	15788691	40.0	32.0	
98 sec-Butylbenzene	105	22.439	22.444	-0.005	98	20625130	40.0	29.3	
99 4-Isopropyltoluene	119	22.642	22.642	0.000	95	18712796	40.0	29.7	
100 1,3-Dichlorobenzene	146	22.674	22.669	0.005	98	13883479	40.0	31.3	
101 1,4-Dichlorobenzene	146	22.808	22.803	0.005	95	14976306	40.0	32.1	
102 Benzyl chloride	91	23.006	23.006	0.000	99	12635790	40.0	30.6	
103 n-Butylbenzene	91	23.209	23.210	-0.001	97	14245155	40.0	28.6	
104 Undecane	57	23.236	23.231	0.005	87	5529599	40.0	28.0	
105 1,2-Dichlorobenzene	146	23.338	23.333	0.005	98	14063424	40.0	32.3	
106 Dodecane	57	24.809	24.804	0.005	89	4782790	40.0	34.1	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	93	14018212	40.0	36.6	
108 Hexachlorobutadiene	225	26.013	26.013	0.000	96	11992787	40.0	35.1	
109 Naphthalene	128	26.328	26.323	0.005	99	22492855	40.0	34.7	
110 1,2,3-Trichlorobenzene	180	26.799	26.794	0.005	94	12772652	40.0	46.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL7w_00047

Amount Added: 200.00

Units: mL

ATTO15GIS_00009

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Injection Date: 02-Jul-2014 22:50:30

Instrument ID: CHG.i

Operator ID: PAD

Lims ID: IC

Worklist Smp#: 10

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

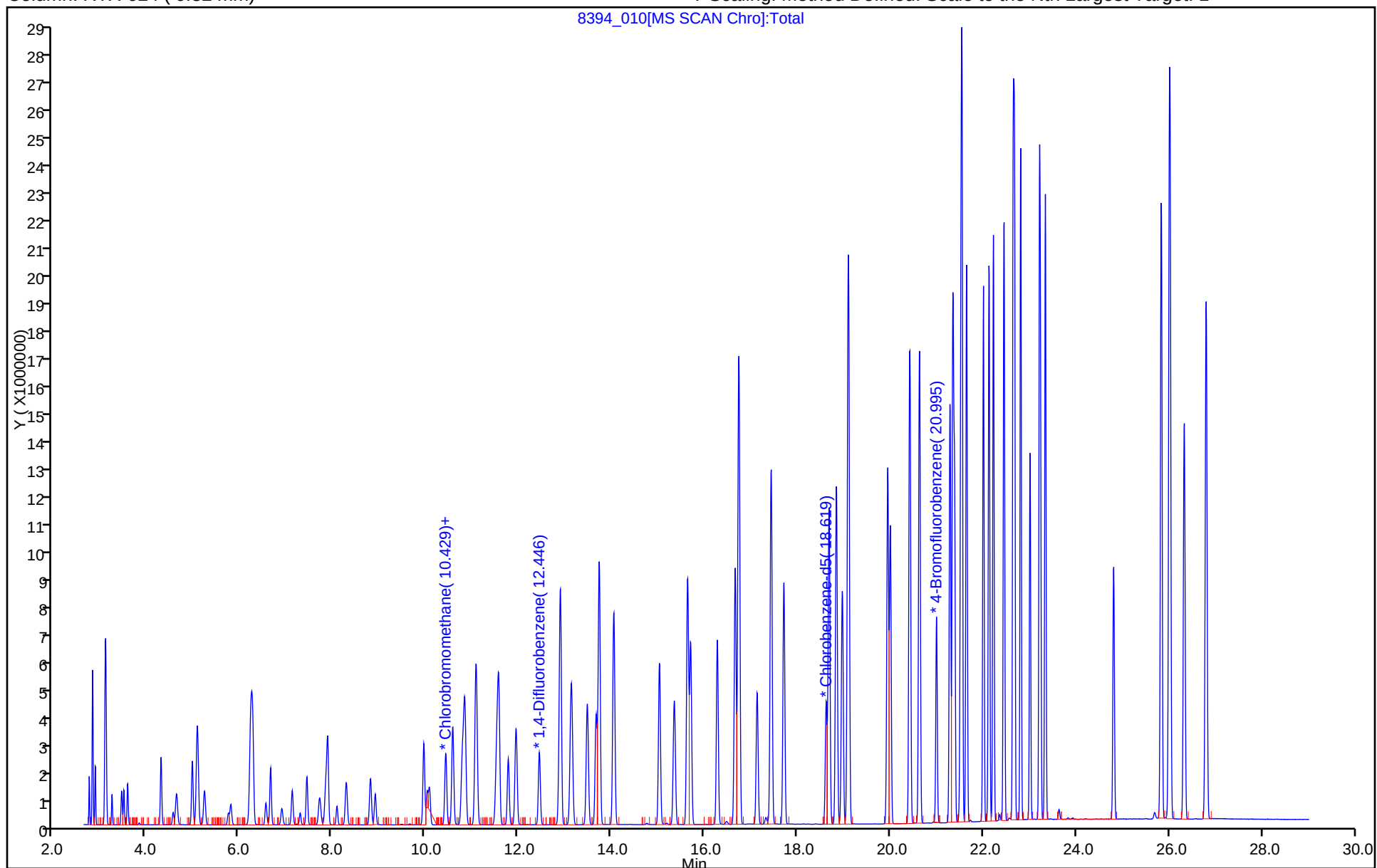
ALS Bottle#: 9

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington

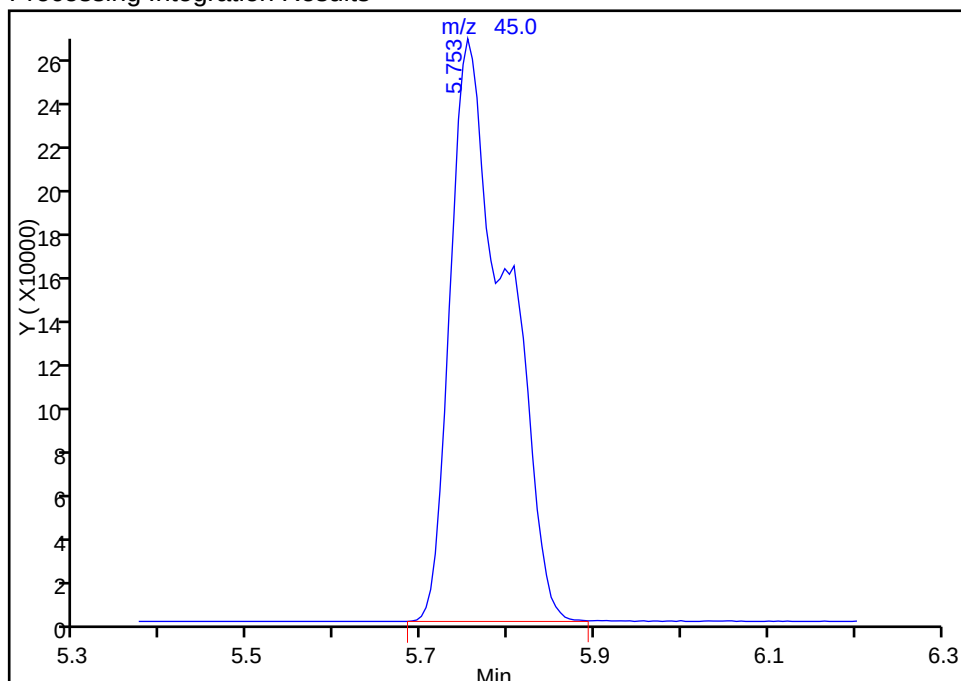
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Injection Date: 02-Jul-2014 22:50:30 Instrument ID: CHG.i
Lims ID: IC
Client ID:
Operator ID: PAD ALS Bottle#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

Worklist Smp#: 10

19 Ethanol, CAS: 64-17-5

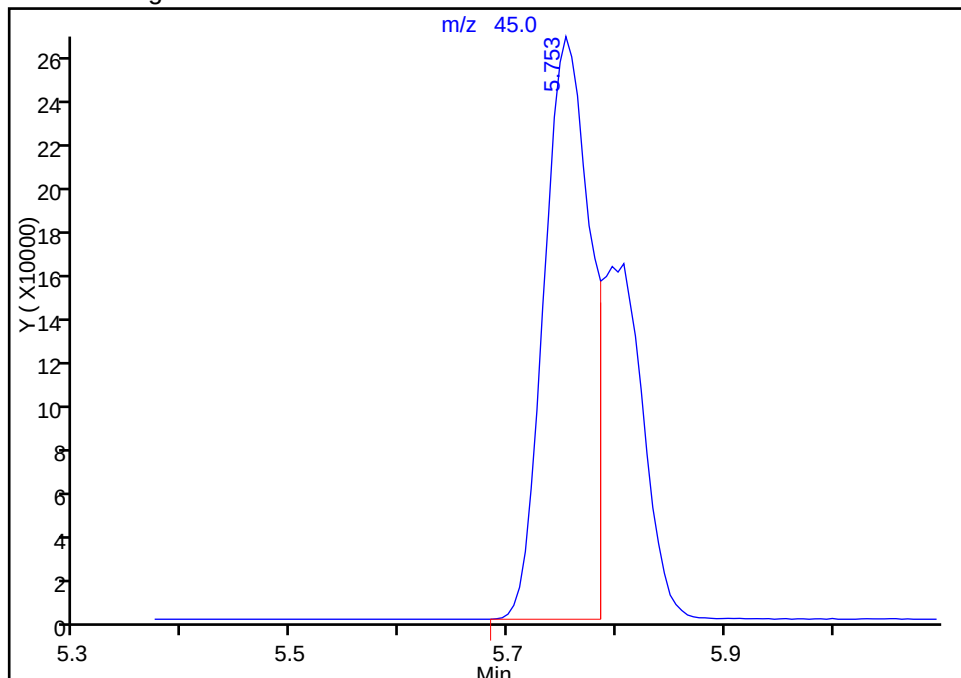
RT: 5.75
Response: 1173533
Amount: 129.3978

Processing Integration Results



RT: 5.75
Response: 785938
Amount: 93.307770

Manual Integration Results



Reviewer: daiglep, 03-Jul-2014 11:56:14
Audit Action: Split an Integrated Peak
Audit Reason: Baseline Event

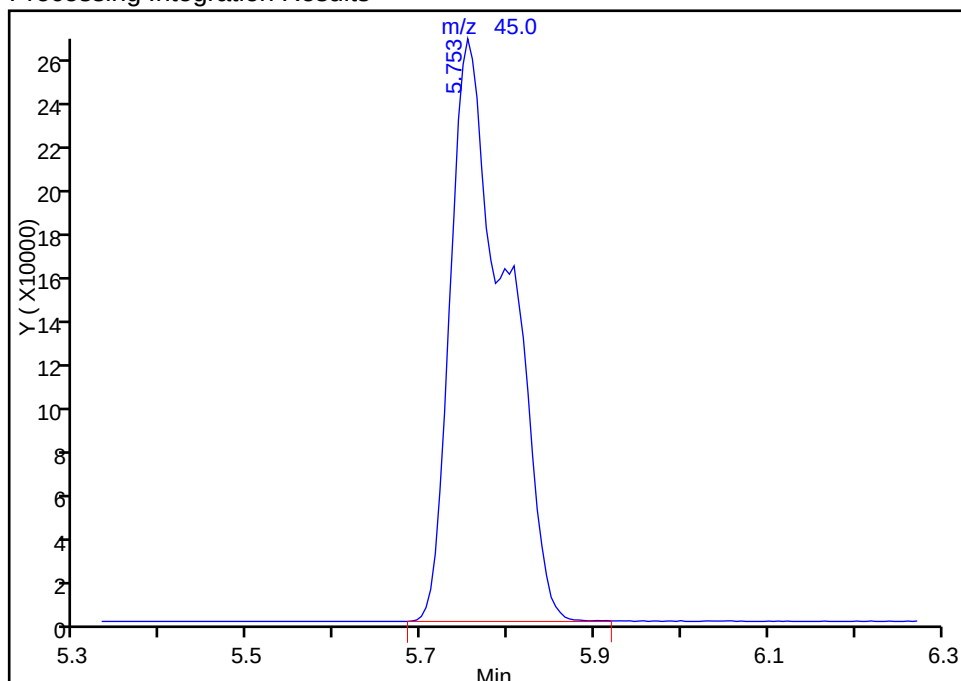
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
Injection Date: 02-Jul-2014 22:50:30 Instrument ID: CHG.i
Lims ID: IC
Client ID:
Operator ID: PAD ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

21 Ethyl ether, CAS: 60-29-7

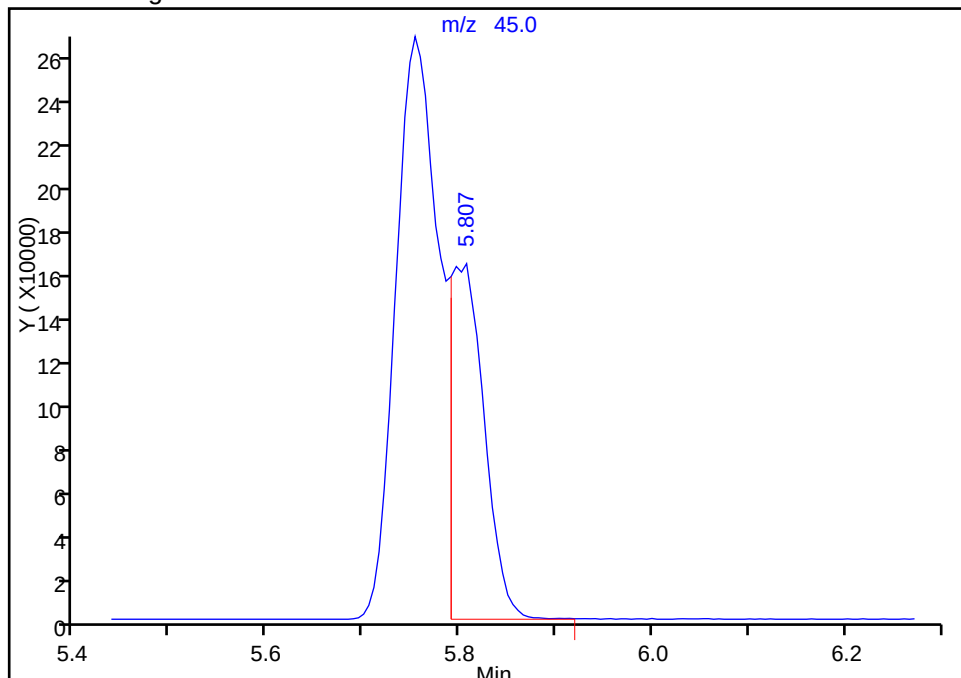
RT: 5.75
Response: 1174064
Amount: 36.335825

Processing Integration Results



RT: 5.81
Response: 388159
Amount: 36.335825

Manual Integration Results



Reviewer: daiglep, 03-Jul-2014 11:56:14
Audit Action: Split an Integrated Peak
Audit Reason: Baseline Event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-64051-1
 SDG No.: _____
 Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24
 Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/02/2014 22:50
 Lab File ID: 8394_013.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	0.2338	0.2141		9.16	10.0	-8.4	30.0
Dichlorodifluoromethane	Ave	1.871	1.815		9.70	10.0	-3.0	30.0
Freon 22	Ave	0.7199	0.7010		9.74	10.0	-2.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.634	1.736		10.6	10.0	6.3	30.0
Chloromethane	Ave	0.3592	0.3410		9.49	10.0	-5.1	30.0
n-Butane	Ave	0.4505	0.4377		9.71	10.0	-2.8	30.0
Vinyl chloride	Ave	0.5088	0.4599		9.04	10.0	-9.6	30.0
1,3-Butadiene	Ave	0.2983	0.2720		9.12	10.0	-8.8	30.0
Bromomethane	Ave	0.7000	0.6762		9.66	10.0	-3.4	30.0
Chloroethane	Ave	0.1763	0.1670		9.47	10.0	-5.3	30.0
Isopentane	Ave	0.2766	0.2840		10.3	10.0	2.7	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8183	0.8003		9.78	10.0	-2.2	30.0
Trichlorofluoromethane	Ave	2.091	2.003		9.58	10.0	-4.2	30.0
n-Pentane	Ave	0.4626	0.4918		10.6	10.0	6.3	30.0
Ethanol	Ave	0.1110	0.1309		17.7	15.0	17.9	30.0
Ethyl ether	Ave	0.2427	0.2588		10.7	10.0	6.6	30.0
Acrolein	Ave	0.1036	0.1091		10.5	10.0	5.3	30.0
Freon TF	Ave	1.371	1.353		9.86	10.0	-1.4	30.0
1,1-Dichloroethene	Ave	0.5986	0.5753		9.61	10.0	-3.9	30.0
Acetone	Ave	0.4904	0.5234		10.7	10.0	6.7	30.0
Carbon disulfide	Ave	1.558	1.906		12.2	10.0	22.4	30.0
Isopropyl alcohol	Ave	0.4088	0.3535		8.64	10.0	-13.5	30.0
3-Chloropropene	Ave	0.3821	0.3418		8.94	10.0	-10.5	30.0
Acetonitrile	Ave	0.1943	0.2046		10.5	10.0	5.3	30.0
Methylene Chloride	Ave	0.4358	0.4358		10.0	10.0	0.0	30.0
tert-Butyl alcohol	Ave	0.7572	0.6822		9.01	10.0	-9.9	30.0
Methyl tert-butyl ether	Ave	1.368	1.341		9.80	10.0	-2.0	30.0
trans-1,2-Dichloroethene	Ave	0.6489	0.6686		10.3	10.0	3.0	30.0
Acrylonitrile	Ave	0.2379	0.2476		10.4	10.0	4.1	30.0
n-Hexane	Ave	0.5029	0.5157		10.3	10.0	2.5	30.0
1,1-Dichloroethane	Ave	0.9557	0.8985		9.40	10.0	-6.0	30.0
Vinyl acetate	Ave	0.8690	0.8255		9.50	10.0	-5.0	30.0
cis-1,2-Dichloroethene	Ave	0.8737	0.8398		9.61	10.0	-3.9	30.0
Methyl Ethyl Ketone	Ave	0.2683	0.2606		9.71	10.0	-2.9	30.0
Ethyl acetate	Ave	0.0399	0.0431		10.8	10.0	8.1	30.0
Tetrahydrofuran	Ave	0.0677	0.0668		9.86	10.0	-1.4	30.0
Chloroform	Ave	1.804	1.781		9.87	10.0	-1.3	30.0
Cyclohexane	Ave	0.1594	0.1537		9.64	10.0	-3.6	30.0
1,1,1-Trichloroethane	Ave	0.3670	0.3563		9.71	10.0	-2.9	30.0
Carbon tetrachloride	Ave	0.4945	0.4639		9.38	10.0	-6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.4864	0.4621		9.50	10.0	-5.0	30.0
Benzene	Ave	0.4422	0.4153		9.39	10.0	-6.1	30.0
1,2-Dichloroethane	Ave	0.2082	0.2007		9.64	10.0	-3.6	30.0
n-Heptane	Ave	0.1608	0.1511		9.39	10.0	-6.0	30.0
n-Butanol	Ave	0.0621	0.0616		9.91	10.0	-0.9	30.0
Trichloroethene	Ave	0.3198	0.2981		9.32	10.0	-6.8	30.0
1,2-Dichloropropane	Ave	0.2024	0.1954		9.65	10.0	-3.4	30.0
Methyl methacrylate	Ave	0.1806	0.1869		10.3	10.0	3.5	30.0
1,4-Dioxane	Ave	0.0971	0.0946		9.75	10.0	-2.5	30.0
Dibromomethane	Ave	0.4563	0.4543		9.95	10.0	-0.4	30.0
Bromodichloromethane	Ave	0.5614	0.5512		9.82	10.0	-1.8	30.0
cis-1,3-Dichloropropene	Ave	0.3957	0.4004		10.1	10.0	1.2	30.0
methyl isobutyl ketone	Ave	0.3447	0.3167		9.19	10.0	-8.1	30.0
Toluene	Ave	0.4577	0.4628		10.1	10.0	1.1	30.0
n-Octane	Ave	0.3178	0.3170		9.97	10.0	-0.3	30.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4210		10.3	10.0	2.9	30.0
1,1,2-Trichloroethane	Ave	0.2430	0.2466		10.1	10.0	1.4	30.0
Tetrachloroethene	Ave	0.6138	0.5878		9.57	10.0	-4.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2925	0.2645		9.04	10.0	-9.6	30.0
Dibromochloromethane	Ave	0.6932	0.6887		9.93	10.0	-0.6	30.0
1,2-Dibromoethane	Ave	0.5394	0.5484		10.2	10.0	1.7	30.0
Chlorobenzene	Ave	0.7324	0.7259		9.91	10.0	-0.9	30.0
Ethylbenzene	Ave	0.9563	0.9594		10.0	10.0	0.3	30.0
n-Nonane	Ave	0.3205	0.3183		9.93	10.0	-0.7	30.0
m,p-Xylene	Ave	0.4175	0.4144		19.8	20.0	-0.8	30.0
Xylene, o-	Ave	0.4393	0.4362		9.93	10.0	-0.7	30.0
Styrene	Ave	0.6156	0.6317		10.3	10.0	2.6	30.0
Bromoform	Ave	0.8018	0.8161		10.2	10.0	1.8	30.0
Cumene	Ave	1.164	1.138		9.77	10.0	-2.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6024	0.6122		10.2	10.0	1.6	30.0
n-Propylbenzene	Ave	1.295	1.271		9.81	10.0	-1.9	30.0
1,2,3-Trichloropropane	Ave	0.4209	0.4117		9.78	10.0	-2.2	30.0
n-Decane	Ave	0.3644	0.3681		10.1	10.0	1.0	30.0
4-Ethyltoluene	Ave	1.074	1.096		10.2	10.0	2.1	30.0
2-Chlorotoluene	Ave	0.8462	0.8329		9.84	10.0	-1.6	30.0
1,3,5-Trimethylbenzene	Ave	0.9518	0.9600		10.1	10.0	0.9	30.0
Alpha Methyl Styrene	Ave	0.5397	0.5470		10.1	10.0	1.3	30.0
tert-Butylbenzene	Ave	0.9527	0.9562		10.0	10.0	0.4	30.0
1,2,4-Trimethylbenzene	Ave	0.9355	0.9091		9.72	10.0	-2.8	30.0
sec-Butylbenzene	Ave	1.336	1.325		9.91	10.0	-0.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-64051-1
 SDG No.: _____
 Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24
 Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/02/2014 22:50
 Lab File ID: 8394_013.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	1.195	1.204		10.1	10.0	0.7	30.0
1,3-Dichlorobenzene	Ave	0.8407	0.8232		9.79	10.0	-2.1	30.0
1,4-Dichlorobenzene	Ave	0.8855	0.8930		10.1	10.0	0.8	30.0
Benzyl chloride	Ave	0.7833	0.7213		9.21	10.0	-7.9	30.0
n-Butylbenzene	Ave	0.9443	0.9436		9.99	10.0	-0.0	30.0
n-Undecane	Ave	0.3741	0.3781		10.1	10.0	1.1	30.0
1,2-Dichlorobenzene	Ave	0.8269	0.8277		10.0	10.0	0.1	30.0
n-Dodecane	Ave	0.2663	0.3125		11.7	10.0	17.3	30.0
1,2,4-Trichlorobenzene	Ave	0.7277	0.7837		10.8	10.0	7.7	30.0
Hexachlorobutadiene	Ave	0.6489	0.7157		11.0	10.0	10.3	30.0
Naphthalene	Ave	1.232	1.284		10.4	10.0	4.3	30.0
1,2,3-Trichlorobenzene	Ave	0.5166	0.6571		12.7	10.0	27.2	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_013.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 03-Jul-2014 01:24:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0008394-013
 Misc. Info.: icv
 Operator ID: PAD Instrument ID: CHG.i
 Sublist:
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 03-Jul-2014 18:03:04 Calib Date: 02-Jul-2014 22:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: daiglep

Date: 03-Jul-2014 12:32:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.758	2.758	0.000	96	167327	10.0	9.16	
2 Dichlorodifluoromethane	85	2.833	2.827	0.006	98	1418483	10.0	9.70	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	547792	10.0	9.74	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	91	1356626	10.0	10.6	
8 Chloromethane	50	3.245	3.244	0.001	99	266496	10.0	9.49	
9 Butane	43	3.453	3.453	0.000	97	342046	10.0	9.71	
10 Vinyl chloride	62	3.501	3.501	0.000	98	359389	10.0	9.04	
11 Butadiene	54	3.582	3.581	0.001	91	212537	10.0	9.12	
12 Bromomethane	94	4.298	4.298	0.000	98	528452	10.0	9.66	
14 Chloroethane	64	4.561	4.560	0.001	99	130511	10.0	9.47	
15 2-Methylbutane	43	4.630	4.635	-0.005	85	221971	10.0	10.3	
16 Vinyl bromide	106	4.972	4.972	0.000	98	625418	10.0	9.78	
17 Trichlorofluoromethane	101	5.079	5.079	0.000	98	1565368	10.0	9.58	
18 Pentane	43	5.235	5.235	0.001	95	384355	10.0	10.6	
19 Ethanol	45	5.737	5.737	0.000	95	153486	15.0	17.7	
21 Ethyl ether	59	5.802	5.802	0.000	92	202256	10.0	10.7	
13 BFB									
22 Acrolein	56	6.219	6.224	-0.005	96	85288	10.0	10.5	
23 1,1,2-Trichloro-1,2,2-trif	101	6.240	6.235	0.005	94	1057079	10.0	9.86	
24 1,1-Dichloroethene	96	6.272	6.278	-0.006	90	449570	10.0	9.61	
25 Acetone	43	6.556	6.556	0.000	87	409014	10.0	10.7	
26 Carbon disulfide	76	6.658	6.658	0.000	98	1489658	10.0	12.2	
27 Isopropyl alcohol	45	6.888	6.888	0.000	98	276222	10.0	8.64	
29 3-Chloro-1-propene	41	7.123	7.123	0.000	82	267133	10.0	8.94	
30 Acetonitrile	41	7.294	7.294	0.000	98	159922	10.0	10.5	
31 Methylene Chloride	49	7.433	7.439	-0.006	79	340598	10.0	10.0	
32 2-Methyl-2-propanol	59	7.706	7.706	0.000	98	533102	10.0	9.01	
33 Methyl tert-butyl ether	73	7.851	7.851	0.001	94	1048161	10.0	9.80	
34 trans-1,2-Dichloroethene	61	7.888	7.883	0.005	86	522530	10.0	10.3	
35 Acrylonitrile	53	8.081	8.081	0.000	95	193473	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Hexane	57	8.289	8.284	0.005	89	403025	10.0	10.3	
37 1,1-Dichloroethane	63	8.803	8.808	-0.005	99	702197	10.0	9.40	
38 Vinyl acetate	43	8.910	8.910	0.000	99	645111	10.0	9.50	
39 cis-1,2-Dichloroethene	96	9.953	9.958	-0.005	90	656290	10.0	9.61	
40 2-Butanone (MEK)	72	10.028	10.028	0.000	97	203629	10.0	9.71	
42 Ethyl acetate	88	10.081	10.076	0.005	98	33714	10.0	10.8	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.9	
44 Tetrahydrofuran	42	10.418	10.424	-0.006	78	304502	10.0	9.86	
* 43 Chlorobromomethane	128	10.435	10.434	0.001	66	781655	10.0	10.0	
45 Chloroform	83	10.579	10.579	0.000	99	1391709	10.0	9.87	
46 Cyclohexane	84	10.788	10.787	0.001	80	700679	10.0	9.64	
47 1,1,1-Trichloroethane	97	10.836	10.836	0.000	95	1623920	10.0	9.71	
48 Carbon tetrachloride	117	11.082	11.082	0.000	95	2114075	10.0	9.38	
51 Isooctane	57	11.531	11.531	0.000	99	2105955	10.0	9.50	
50 Benzene	78	11.569	11.569	0.000	93	1892904	10.0	9.39	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	99	914571	10.0	9.64	
53 n-Heptane	43	11.938	11.938	0.000	88	688465	10.0	9.39	
* 54 1,4-Difluorobenzene	114	12.441	12.441	0.000	90	4558559	10.0	10.0	
55 n-Butanol	56	12.863	12.863	0.000	83	280672	10.0	9.91	
56 Trichloroethene	95	12.895	12.895	0.000	91	1358502	10.0	9.32	
A 57 GRO	1	13.074	(4.625-21.524)		0	303270390	10.0	0	
58 1,2-Dichloropropane	63	13.473	13.473	0.000	92	890681	10.0	9.65	
59 Methyl methacrylate	69	13.660	13.660	0.000	77	851908	10.0	10.3	
60 1,4-Dioxane	88	13.703	13.698	0.005	80	431279	10.0	9.75	
61 Dibromomethane	174	13.730	13.730	0.000	88	2070520	10.0	9.95	
62 Dichlorobromomethane	83	14.046	14.045	0.001	97	2512084	10.0	9.82	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	582919608	10.0	0	
64 cis-1,3-Dichloropropene	75	15.025	15.024	0.001	85	1824654	10.0	10.1	
65 4-Methyl-2-pentanone (MIBK)	43	15.346	15.345	0.001	91	1443490	10.0	9.19	
66 Toluene	92	15.634	15.634	0.000	94	2493261	10.0	10.1	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	8916941	NC	NC	
69 n-Octane	43	15.699	15.699	0.000	83	1444549	10.0	9.97	
A 68 C8 Range	1	15.713	(15.649-15.749)		0	6726212	NC	NC	
70 trans-1,3-Dichloropropene	75	16.271	16.271	0.000	91	1918644	10.0	10.3	
71 1,1,2-Trichloroethane	83	16.656	16.656	0.000	94	1328396	10.0	10.1	
72 Tetrachloroethene	166	16.736	16.736	0.000	93	3166713	10.0	9.57	
73 2-Hexanone	43	17.127	17.127	0.000	93	1425091	10.0	9.04	
74 Chlorodibromomethane	129	17.432	17.432	0.000	97	3710751	10.0	9.93	
75 Ethylene Dibromide	107	17.705	17.705	0.000	100	2954545	10.0	10.2	
* 76 Chlorobenzene-d5	117	18.620	18.614	0.006	79	5388793	10.0	10.0	
77 Chlorobenzene	112	18.678	18.678	0.000	99	3910806	10.0	9.91	
78 Ethylbenzene	91	18.834	18.833	0.001	96	5169008	10.0	10.0	
79 n-Nonane	57	18.962	18.962	0.000	82	1715090	10.0	9.93	
80 m-Xylene & p-Xylene	106	19.090	19.090	0.000	97	4465308	20.0	19.8	
83 o-Xylene	106	19.941	19.941	0.000	96	2350196	10.0	9.93	
84 Styrene	104	19.994	19.994	0.000	98	3403257	10.0	10.3	
S 82 Xylenes, Total	106				0		30.0	29.8	
85 Bromoform	173	20.417	20.417	0.000	98	4396982	10.0	10.2	
86 Isopropylbenzene	105	20.626	20.626	0.000	94	6129811	10.0	9.77	
* 87 4-Bromofluorobenzene	95	20.989	20.989	0.000	94	3209229	10.0	10.0	
88 1,1,1,2,2-Tetrachloroethane	83	21.284	21.284	0.000	97	3298214	10.0	10.2	
90 N-Propylbenzene	91	21.343	21.342	0.001	99	6849634	10.0	9.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	21.375	21.375	0.000	93	2217915	10.0	9.78	
93 n-Decane	57	21.514	21.514	0.000	81	1983269	10.0	10.1	
91 4-Ethyltoluene	105	21.530	21.530	0.000	97	5905460	10.0	10.2	
92 2-Chlorotoluene	91	21.535	21.535	0.000	94	4487678	10.0	9.84	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	95	5172355	10.0	10.1	
95 Alpha Methyl Styrene	118	22.001	22.000	0.001	94	2947027	10.0	10.1	
96 tert-Butylbenzene	119	22.124	22.124	0.000	95	5151922	10.0	10.0	
97 1,2,4-Trimethylbenzene	105	22.215	22.214	0.001	95	4898115	10.0	9.72	
98 sec-Butylbenzene	105	22.439	22.444	-0.005	99	7136877	10.0	9.91	
99 4-Isopropyltoluene	119	22.643	22.642	0.001	97	6487334	10.0	10.1	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	99	4435011	10.0	9.79	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	97	4811207	10.0	10.1	
102 Benzyl chloride	91	23.006	23.006	0.000	99	3885976	10.0	9.21	
103 n-Butylbenzene	91	23.210	23.210	0.000	97	5083603	10.0	9.99	
104 Undecane	57	23.231	23.231	0.000	90	2037003	10.0	10.1	
105 1,2-Dichlorobenzene	146	23.333	23.333	0.000	99	4459571	10.0	10.0	
106 Dodecane	57	24.804	24.804	0.000	90	1683473	10.0	11.7	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	93	4222294	10.0	10.8	
108 Hexachlorobutadiene	225	26.013	26.013	0.000	97	3856230	10.0	11.0	
109 Naphthalene	128	26.323	26.323	0.000	99	6917395	10.0	10.4	
110 1,2,3-Trichlorobenzene	180	26.794	26.794	0.000	95	3540504	10.0	12.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00380

Amount Added: 200.00

Units: mL

ATTO15GIS_00009

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_013.D

Injection Date: 03-Jul-2014 01:24:30

Instrument ID: CHG.i

Operator ID: PAD

Lims ID: icv

Worklist Smp#: 13

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

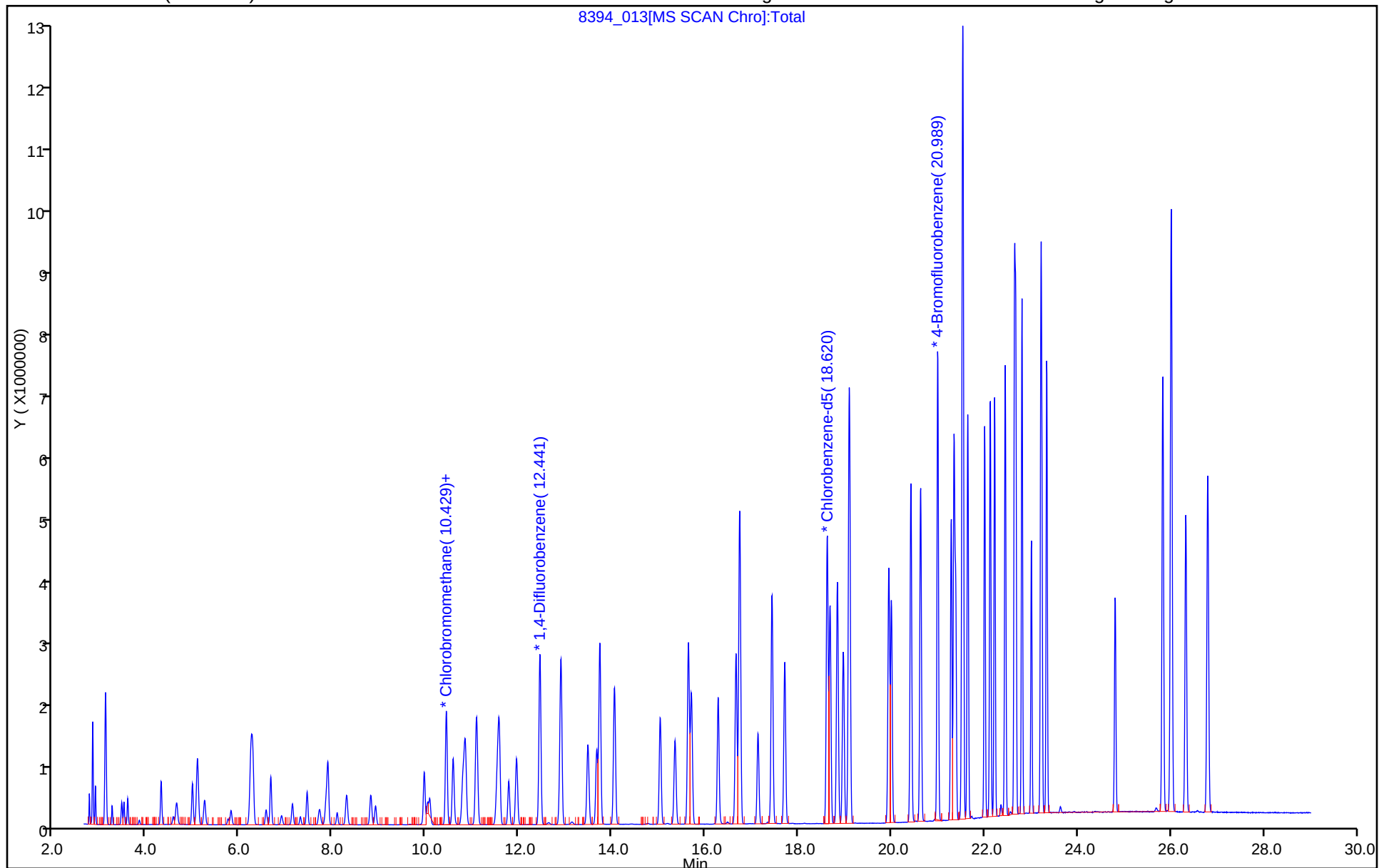
ALS Bottle#: 12

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Lab Sample ID: CCVIS 200-75167/2 Calibration Date: 07/22/2014 10:46

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8660_002.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	0.2338	0.2667		11.4	10.0	14.1	30.0
Dichlorodifluoromethane	Ave	1.871	2.267		12.1	10.0	21.1	30.0
Freon 22	Ave	0.7199	0.8956		12.4	10.0	24.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.634	1.884		11.5	10.0	15.3	30.0
Chloromethane	Ave	0.3592	0.4196		11.7	10.0	16.8	30.0
n-Butane	Ave	0.4505	0.5097		11.3	10.0	13.1	30.0
Vinyl chloride	Ave	0.5088	0.5443		10.7	10.0	7.0	30.0
1,3-Butadiene	Ave	0.2983	0.3271		11.0	10.0	9.7	30.0
Bromomethane	Ave	0.7000	0.7947		11.4	10.0	13.5	30.0
Chloroethane	Ave	0.1763	0.2035		11.5	10.0	15.4	30.0
Isopentane	Ave	0.2766	0.3019		10.9	10.0	9.1	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8183	0.8912		10.9	10.0	8.9	30.0
Trichlorofluoromethane	Ave	2.091	2.372		11.3	10.0	13.4	30.0
n-Pentane	Ave	0.4626	0.5122		11.1	10.0	10.7	30.0
Ethanol	Ave	0.1110	0.1146		15.5	15.0	3.2	30.0
Ethyl ether	Ave	0.2427	0.2643		10.9	10.0	8.9	30.0
Acrolein	Ave	0.1036	0.1062		10.3	10.0	2.5	30.0
Freon TF	Ave	1.371	1.503		11.0	10.0	9.6	30.0
1,1-Dichloroethene	Ave	0.5986	0.6473		10.8	10.0	8.1	30.0
Acetone	Ave	0.4904	0.6053		12.3	10.0	23.4	30.0
Carbon disulfide	Ave	1.558	1.663		10.7	10.0	6.7	30.0
Isopropyl alcohol	Ave	0.4088	0.4656		11.4	10.0	13.9	30.0
3-Chloropropene	Ave	0.3821	0.4017		10.5	10.0	5.1	30.0
Acetonitrile	Ave	0.1943	0.2247		11.6	10.0	15.7	30.0
Methylene Chloride	Ave	0.4358	0.4923		11.3	10.0	12.9	30.0
tert-Butyl alcohol	Ave	0.7572	0.8420		11.1	10.0	11.2	30.0
Methyl tert-butyl ether	Ave	1.368	1.485		10.8	10.0	8.5	30.0
trans-1,2-Dichloroethene	Ave	0.6489	0.7336		11.3	10.0	13.1	30.0
Acrylonitrile	Ave	0.2379	0.2605		10.9	10.0	9.5	30.0
n-Hexane	Ave	0.5029	0.5260		10.5	10.0	4.6	30.0
1,1-Dichloroethane	Ave	0.9557	1.004		10.5	10.0	5.1	30.0
Vinyl acetate	Ave	0.8690	0.9431		10.9	10.0	8.5	30.0
cis-1,2-Dichloroethene	Ave	0.8737	0.8893		10.2	10.0	1.8	30.0
Methyl Ethyl Ketone	Ave	0.2683	0.2749		10.2	10.0	2.4	30.0
Ethyl acetate	Ave	0.0399	0.0410		10.3	10.0	2.6	30.0
Tetrahydrofuran	Ave	0.0677	0.0739		10.9	10.0	9.1	30.0
Chloroform	Ave	1.804	1.951		10.8	10.0	8.1	30.0
Cyclohexane	Ave	0.1594	0.1580		9.91	10.0	-0.9	30.0
1,1,1-Trichloroethane	Ave	0.3670	0.3902		10.6	10.0	6.3	30.0
Carbon tetrachloride	Ave	0.4945	0.4825		9.75	10.0	-2.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-64051-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-75167/2 Calibration Date: 07/22/2014 10:46
 Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/02/2014 22:50
 Lab File ID: 8660_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.4864	0.4959		10.2	10.0	1.9	30.0
Benzene	Ave	0.4422	0.4369		9.88	10.0	-1.2	30.0
1,2-Dichloroethane	Ave	0.2082	0.2318		11.1	10.0	11.3	30.0
n-Heptane	Ave	0.1608	0.1674		10.4	10.0	4.1	30.0
n-Butanol	Ave	0.0621	0.0614		9.87	10.0	-1.2	30.0
Trichloroethene	Ave	0.3198	0.3135		9.80	10.0	-2.0	30.0
1,2-Dichloropropane	Ave	0.2024	0.2162		10.7	10.0	6.8	30.0
Methyl methacrylate	Ave	0.1806	0.1920		10.6	10.0	6.3	30.0
1,4-Dioxane	Ave	0.0971	0.1106		11.4	10.0	13.9	30.0
Dibromomethane	Ave	0.4563	0.4152		9.10	10.0	-9.0	30.0
Bromodichloromethane	Ave	0.5614	0.6405		11.4	10.0	14.1	30.0
cis-1,3-Dichloropropene	Ave	0.3957	0.4523		11.4	10.0	14.3	30.0
methyl isobutyl ketone	Ave	0.3447	0.3967		11.5	10.0	15.1	30.0
Toluene	Ave	0.4577	0.4770		10.4	10.0	4.2	30.0
n-Octane	Ave	0.3178	0.3850		12.1	10.0	21.1	30.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4800		11.7	10.0	17.3	30.0
1,1,2-Trichloroethane	Ave	0.2430	0.2701		11.1	10.0	11.1	30.0
Tetrachloroethene	Ave	0.6138	0.4981		8.11	10.0	-18.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2925	0.3213		11.0	10.0	9.9	30.0
Dibromochloromethane	Ave	0.6932	0.6869		9.91	10.0	-0.9	30.0
1,2-Dibromoethane	Ave	0.5394	0.5693		10.6	10.0	5.5	30.0
Chlorobenzene	Ave	0.7324	0.7061		9.64	10.0	-3.6	30.0
Ethylbenzene	Ave	0.9563	1.027		10.7	10.0	7.4	30.0
n-Nonane	Ave	0.3205	0.3592		11.2	10.0	12.1	30.0
m,p-Xylene	Ave	0.4175	0.4179		20.0	20.0	0.0	30.0
Xylene, o-	Ave	0.4393	0.4370		9.94	10.0	-0.5	30.0
Styrene	Ave	0.6156	0.6397		10.4	10.0	3.9	30.0
Bromoform	Ave	0.8018	0.7291		9.09	10.0	-9.1	30.0
Cumene	Ave	1.164	1.195		10.3	10.0	2.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6024	0.7013		11.6	10.0	16.4	30.0
n-Propylbenzene	Ave	1.295	1.426		11.0	10.0	10.1	30.0
1,2,3-Trichloropropane	Ave	0.4209	0.4792		11.4	10.0	13.9	30.0
n-Decane	Ave	0.3644	0.4073		11.2	10.0	11.8	30.0
4-Ethyltoluene	Ave	1.074	1.115		10.4	10.0	3.8	30.0
2-Chlorotoluene	Ave	0.8462	0.9129		10.8	10.0	7.9	30.0
1,3,5-Trimethylbenzene	Ave	0.9518	0.998		10.5	10.0	4.9	30.0
Alpha Methyl Styrene	Ave	0.5397	0.5485		10.2	10.0	1.6	30.0
tert-Butylbenzene	Ave	0.9527	0.9627		10.1	10.0	1.1	30.0
1,2,4-Trimethylbenzene	Ave	0.9355	1.013		10.8	10.0	8.3	30.0
sec-Butylbenzene	Ave	1.336	1.469		11.0	10.0	10.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-64051-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-75167/2 Calibration Date: 07/22/2014 10:46
 Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/02/2014 22:50
 Lab File ID: 8660_002.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	1.195	1.233		10.3	10.0	3.2	30.0
1,3-Dichlorobenzene	Ave	0.8407	0.8189		9.74	10.0	-2.6	30.0
1,4-Dichlorobenzene	Ave	0.8855	0.8466		9.56	10.0	-4.4	30.0
Benzyl chloride	Ave	0.7833	0.8411		10.7	10.0	7.4	30.0
n-Butylbenzene	Ave	0.9443	1.118		11.8	10.0	18.4	30.0
n-Undecane	Ave	0.3741	0.4687		12.5	10.0	25.3	30.0
1,2-Dichlorobenzene	Ave	0.8269	0.8066		9.75	10.0	-2.5	30.0
n-Dodecane	Ave	0.2663	0.2961		11.1	10.0	11.2	30.0
1,2,4-Trichlorobenzene	Ave	0.7277	0.6772		9.31	10.0	-6.9	30.0
Hexachlorobutadiene	Ave	0.6489	0.5607		8.64	10.0	-13.6	30.0
Naphthalene	Ave	1.232	1.425		11.6	10.0	15.7	30.0
1,2,3-Trichlorobenzene	Ave	0.5166	0.5803		11.2	10.0	12.3	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_002.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 22-Jul-2014 10:46:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0008660-002
 Misc. Info.: ccvis
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_LLNJ_TO3_G*sub3
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\TO15_LLNJ_TO3_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jul-2014 12:23:50 Calib Date: 02-Jul-2014 22:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last Ical File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK023

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.758	2.758	0.000	96	184189	10.0	11.4	
2 Dichlorodifluoromethane	85	2.827	2.827	0.000	99	1565492	10.0	12.1	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	618549	10.0	12.4	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	97	1300922	10.0	11.5	
8 Chloromethane	50	3.244	3.244	0.000	99	289809	10.0	11.7	
9 Butane	43	3.448	3.448	0.000	96	352006	10.0	11.3	
10 Vinyl chloride	62	3.496	3.496	0.000	98	375932	10.0	10.7	
11 Butadiene	54	3.576	3.576	0.000	90	225889	10.0	11.0	
13 BFB									
12 Bromomethane	94	4.293	4.293	0.000	99	548853	10.0	11.4	
14 Chloroethane	64	4.550	4.550	0.000	99	140558	10.0	11.5	
15 2-Methylbutane	43	4.625	4.625	0.000	85	208475	10.0	10.9	
16 Vinyl bromide	106	4.962	4.962	0.000	99	615446	10.0	10.9	
17 Trichlorofluoromethane	101	5.074	5.074	0.000	98	1637865	10.0	11.3	
18 Pentane	43	5.224	5.224	0.000	93	353749	10.0	11.1	
19 Ethanol	45	5.721	5.721	0.000	96	118791	15.0	15.5	
21 Ethyl ether	59	5.796	5.796	0.000	94	182523	10.0	10.9	
22 Acrolein	56	6.203	6.203	0.000	96	73366	10.0	10.3	
23 1,1,2-Trichloro-1,2,2-trif	101	6.230	6.230	0.000	98	1037866	10.0	11.0	
24 1,1-Dichloroethene	96	6.262	6.262	0.000	93	447046	10.0	10.8	
25 Acetone	43	6.540	6.540	0.000	86	418039	10.0	12.3	
26 Carbon disulfide	76	6.647	6.647	0.000	98	1148214	10.0	10.7	
27 Isopropyl alcohol	45	6.866	6.866	0.000	98	321551	10.0	11.4	
29 3-Chloro-1-propene	41	7.107	7.107	0.000	82	277437	10.0	10.5	
30 Acetonitrile	41	7.273	7.273	0.000	97	155200	10.0	11.6	
31 Methylene Chloride	49	7.423	7.423	0.000	81	339957	10.0	11.3	
32 2-Methyl-2-propanol	59	7.679	7.679	0.000	98	581481	10.0	11.1	
33 Methyl tert-butyl ether	73	7.840	7.840	0.000	94	1025484	10.0	10.8	
34 trans-1,2-Dichloroethene	61	7.872	7.872	0.000	87	506641	10.0	11.3	
35 Acrylonitrile	53	8.059	8.059	0.000	93	179876	10.0	10.9	
36 Hexane	57	8.273	8.273	0.000	90	363260	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.787	8.787	0.000	99	693691	10.0	10.5	
38 Vinyl acetate	43	8.888	8.888	0.000	99	651338	10.0	10.9	
39 cis-1,2-Dichloroethene	96	9.937	9.937	0.000	91	614170	10.0	10.2	
40 2-Butanone (MEK)	72	10.006	10.006	0.000	97	189821	10.0	10.2	
42 Ethyl acetate	88	10.055	10.055	0.000	97	28292	10.0	10.3	
S 41 1,2-Dichloroethene, Total	61				0		20.0	21.5	
44 Tetrahydrofuran	42	10.397	10.397	0.000	78	290910	10.0	10.9	
* 43 Chlorobromomethane	128	10.408	10.408	0.000	68	690754	10.0	10.0	
45 Chloroform	83	10.557	10.557	0.000	99	1347327	10.0	10.8	
46 Cyclohexane	84	10.771	10.771	0.000	83	621804	10.0	9.91	
47 1,1,1-Trichloroethane	97	10.814	10.814	0.000	95	1535957	10.0	10.6	
48 Carbon tetrachloride	117	11.060	11.060	0.000	97	1899009	10.0	9.75	
51 Isooctane	57	11.515	11.515	0.000	99	1951720	10.0	10.2	
50 Benzene	78	11.547	11.547	0.000	93	1719575	10.0	9.88	
52 1,2-Dichloroethane	62	11.745	11.745	0.000	99	912508	10.0	11.1	
53 n-Heptane	43	11.922	11.922	0.000	86	659084	10.0	10.4	
* 54 1,4-Difluorobenzene	114	12.419	12.419	0.000	91	3936913	10.0	10.0	
55 n-Butanol	56	12.836	12.836	0.000	86	241483	10.0	9.87	
56 Trichloroethene	95	12.869	12.869	0.000	95	1234035	10.0	9.80	
A 57 GRO	1	13.058	(4.615-21.502)		0	293119844	10.0	0	
58 1,2-Dichloropropane	63	13.446	13.446	0.000	91	850955	10.0	10.7	
59 Methyl methacrylate	69	13.634	13.634	0.000	84	755551	10.0	10.6	
60 1,4-Dioxane	88	13.676	13.676	0.000	83	435269	10.0	11.4	
61 Dibromomethane	174	13.703	13.703	0.000	93	1634355	10.0	9.10	
62 Dichlorobromomethane	83	14.019	14.019	0.000	97	2520980	10.0	11.4	
A 63 TVOC as Toluene	1	14.762	(2.748-26.777)		0	556506264	10.0	0	
64 cis-1,3-Dichloropropene	75	15.003	15.003	0.000	87	1780148	10.0	11.4	
65 4-Methyl-2-pentanone (MIBK)	43	15.313	15.313	0.000	93	1561430	10.0	11.5	
66 Toluene	92	15.608	15.608	0.000	94	2295247	10.0	10.4	
A 67 Toluene Range	1	15.608	(15.568-15.648)		0	8660925	NC	NC	
69 n-Octane	43	15.677	15.677	0.000	85	1515285	10.0	12.1	
A 68 C8 Range	1	15.691	(15.627-15.727)		0	6244275	NC	NC	
70 trans-1,3-Dichloropropene	75	16.244	16.244	0.000	93	1889337	10.0	11.7	
71 1,1,2-Trichloroethane	83	16.629	16.629	0.000	97	1299951	10.0	11.1	
72 Tetrachloroethene	166	16.715	16.715	0.000	97	2397114	10.0	8.11	
73 2-Hexanone	43	17.100	17.100	0.000	92	1546149	10.0	11.0	
74 Chlorodibromomethane	129	17.400	17.400	0.000	97	3305350	10.0	9.91	
75 Ethylene Dibromide	107	17.678	17.678	0.000	99	2739481	10.0	10.6	
* 76 Chlorobenzene-d5	117	18.587	18.587	0.000	81	4813134	10.0	10.0	
77 Chlorobenzene	112	18.652	18.652	0.000	99	3397990	10.0	9.64	
78 Ethylbenzene	91	18.812	18.812	0.000	97	4941485	10.0	10.7	
79 n-Nonane	57	18.940	18.940	0.000	83	1728749	10.0	11.2	
80 m-Xylene & p-Xylene	106	19.064	19.064	0.000	99	4022295	20.0	20.0	
83 o-Xylene	106	19.914	19.914	0.000	95	2102683	10.0	9.94	
84 Styrene	104	19.968	19.968	0.000	98	3078448	10.0	10.4	
S 82 Xylenes, Total	106				0		30.0	30.0	
85 Bromoform	173	20.390	20.390	0.000	98	3508409	10.0	9.09	
86 Isopropylbenzene	105	20.599	20.599	0.000	95	5751514	10.0	10.3	
* 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	98	3212125	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.252	21.252	0.000	98	3374987	10.0	11.6	
90 N-Propylbenzene	91	21.321	21.321	0.000	100	6864230	10.0	11.0	
89 1,2,3-Trichloropropane	75	21.353	21.353	0.000	95	2306092	10.0	11.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.492	21.492	0.000	83	1959957	10.0	11.2	
91 4-Ethyltoluene	105	21.508	21.508	0.000	97	5364837	10.0	10.4	
92 2-Chlorotoluene	91	21.514	21.514	0.000	96	4393264	10.0	10.8	
94 1,3,5-Trimethylbenzene	105	21.615	21.615	0.000	94	4804031	10.0	10.5	
95 Alpha Methyl Styrene	118	21.979	21.979	0.000	93	2639458	10.0	10.2	
96 tert-Butylbenzene	119	22.102	22.102	0.000	93	4632843	10.0	10.1	
97 1,2,4-Trimethylbenzene	105	22.193	22.193	0.000	96	4873791	10.0	10.8	
98 sec-Butylbenzene	105	22.423	22.423	0.000	99	7070818	10.0	11.0	
99 4-Isopropyltoluene	119	22.621	22.621	0.000	97	5933529	10.0	10.3	
100 1,3-Dichlorobenzene	146	22.648	22.648	0.000	98	3940581	10.0	9.74	
101 1,4-Dichlorobenzene	146	22.782	22.782	0.000	96	4073860	10.0	9.56	
102 Benzyl chloride	91	22.985	22.985	0.000	99	4047497	10.0	10.7	
103 n-Butylbenzene	91	23.188	23.188	0.000	98	5381341	10.0	11.8	
104 Undecane	57	23.215	23.215	0.000	90	2255435	10.0	12.5	
105 1,2-Dichlorobenzene	146	23.317	23.317	0.000	99	3881475	10.0	9.75	
106 Dodecane	57	24.788	24.788	0.000	91	1424934	10.0	11.1	
107 1,2,4-Trichlorobenzene	180	25.804	25.804	0.000	94	3259019	10.0	9.31	
108 Hexachlorobutadiene	225	25.986	25.986	0.000	95	2697982	10.0	8.64	
109 Naphthalene	128	26.296	26.296	0.000	99	6859493	10.0	11.6	
110 1,2,3-Trichlorobenzene	180	26.767	26.767	0.000	96	2792535	10.0	11.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00369

Amount Added: 200.00

Units: mL

ATTO15GIS_00009

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_002.D

Injection Date: 22-Jul-2014 10:46:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

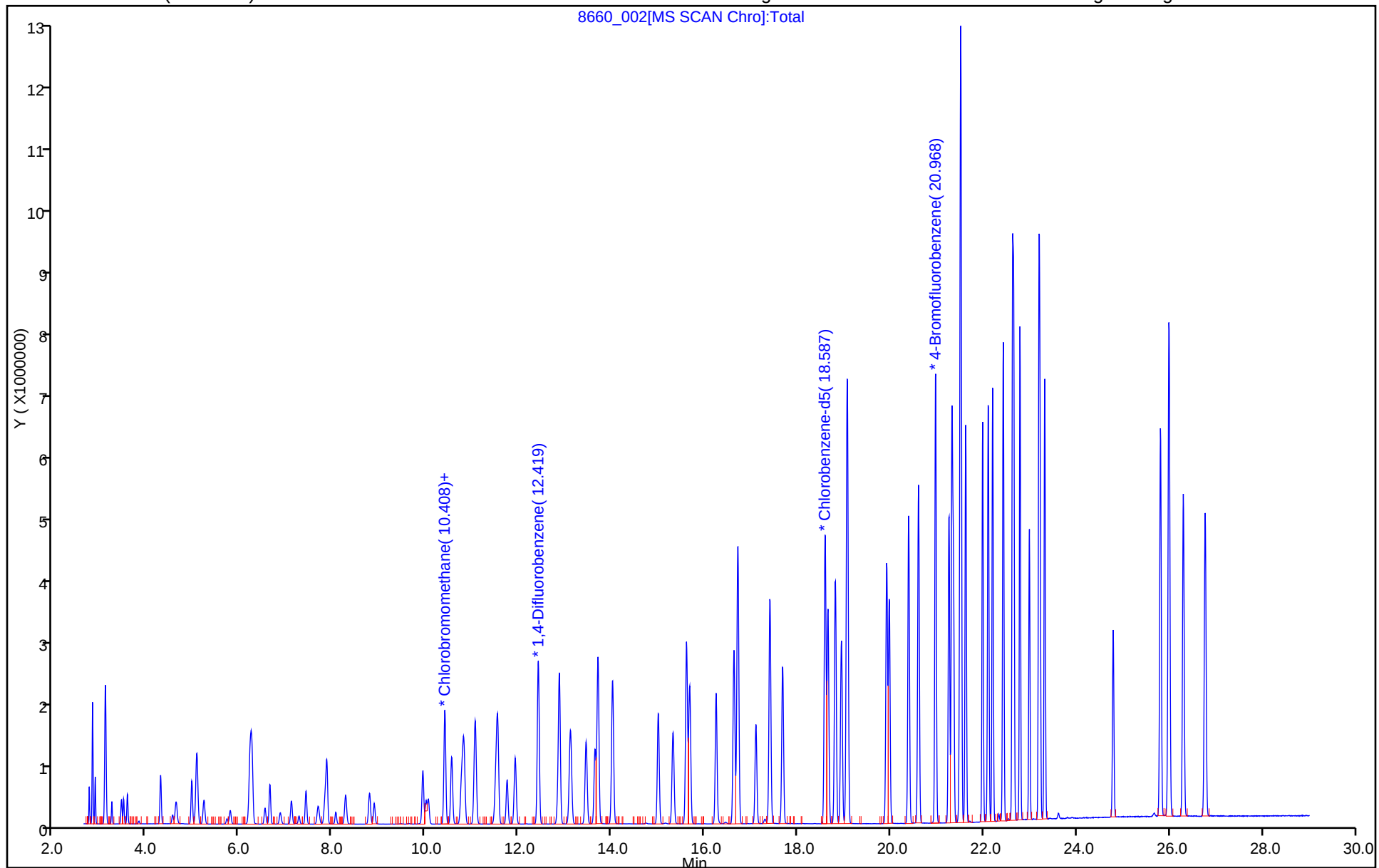
ALS Bottle#: 1

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_001.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 02-Jul-2014 15:15:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 Dil. Factor: 1.0000
Sample Info: 200-0008394-001
Misc. Info.: bfb
Operator ID: PAD Instrument ID: CHG.i
Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 03-Jul-2014 12:48:04 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: daiglep

Date: 02-Jul-2014 15:36:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

13 BFB

* 43 Chlorobromomethane	128		10.434					0	
* 54 1,4-Difluorobenzene	114		12.441					0	
* 76 Chlorobenzene-d5	117		18.614					0	
* 87 4-Bromofluorobenzene	95		20.989					0	

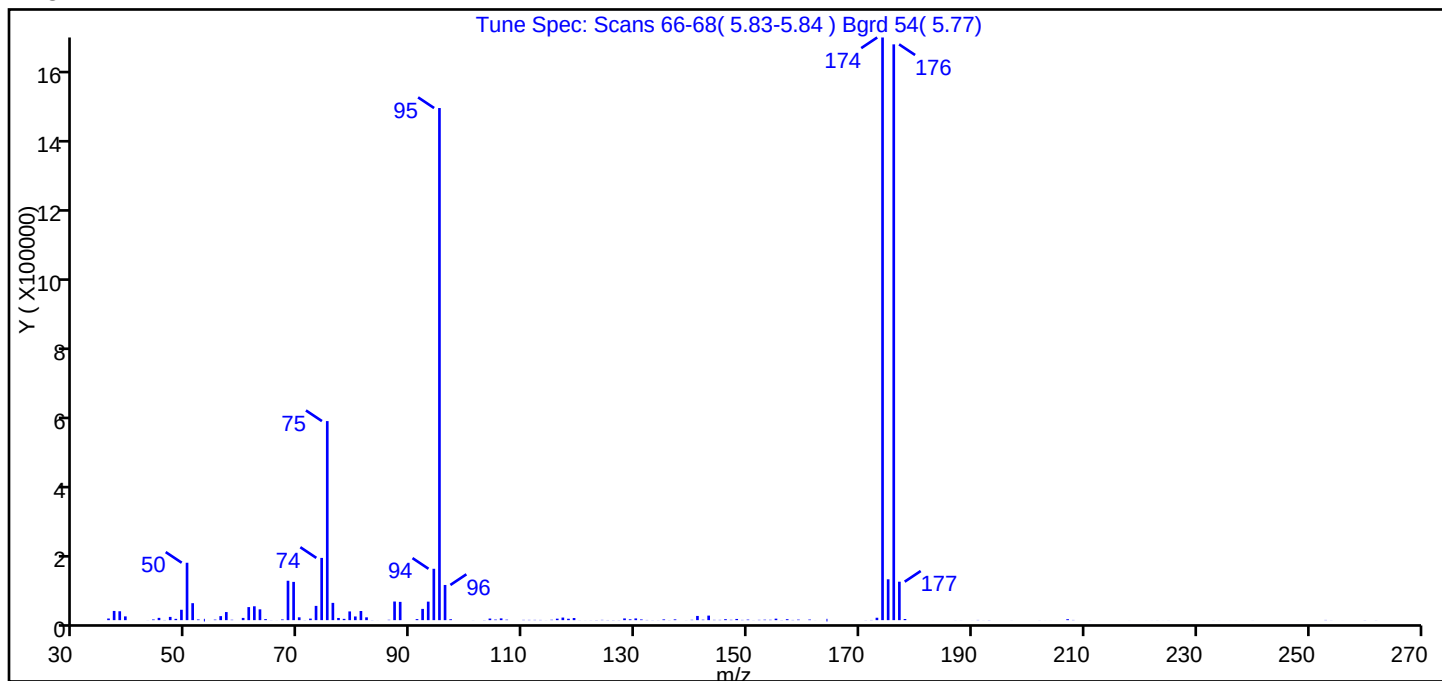
Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_001.D
Injection Date: 02-Jul-2014 15:15:30 Instrument ID: CHG.i
Lims ID: BFB
Client ID:
Operator ID: PAD ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	11.20
75	30.00 - 66.00% of mass 95	38.90
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.50 (0.40)
174	50.00 - 120.00% of mass 95	113.80
175	4.00 - 9.00% of mass 174	8.00 (7.00)
176	93.00 - 101.00% of mass 174	112.40 (98.80)
177	5.00 - 9.00% of mass 176	7.50 (6.70)

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
 Injection Date: 02-Jul-2014 15:15:30
 Spectrum: Tune Spec: Scans 66-68(5.83-5.84) Bgrd 54(5.77)
 Base Peak: 174.00
 Minimum % Base Peak: 0
 Number of Points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4471	82.00	7747	130.00	4704	178.00	3126
37.00	25400	83.00	312	131.00	1919	179.00	49
38.00	24488	84.00	88	132.00	533	183.00	53
39.00	10354	86.00	999	133.00	266	187.00	126
43.00	170	87.00	51344	134.00	223	188.00	149
44.00	1845	88.00	50376	135.00	2068	190.00	94
45.00	6278	91.00	2863	136.00	230	191.00	553
46.00	471	92.00	31008	137.00	2135	192.00	112
47.00	8934	93.00	51048	138.00	12	193.00	376
48.00	3569	94.00	141632	139.00	150	195.00	32
49.00	28656	95.00	1412096	140.00	941	197.00	128
50.00	158272	96.00	97000	141.00	11600	202.00	184
51.00	46792	97.00	2511	142.00	1242	203.00	62
52.00	1881	98.00	33	143.00	12512	204.00	79
53.00	2	99.00	63	144.00	787	205.00	40
54.00	72	101.00	162	145.00	735	207.00	2586
55.00	1425	103.00	408	146.00	2620	208.00	555
56.00	11081	104.00	4356	147.00	938	210.00	24
57.00	22304	105.00	1554	148.00	3298	211.00	131
58.00	1020	106.00	4861	149.00	653	218.00	69
60.00	6139	107.00	1331	150.00	1538	221.00	61
61.00	35968	109.00	35	151.00	185	222.00	84
62.00	38208	110.00	752	152.00	816	223.00	126
63.00	29824	111.00	712	153.00	1251	224.00	64
64.00	2852	112.00	718	154.00	976	225.00	116
65.00	229	113.00	595	155.00	4077	233.00	120
66.00	112	114.00	138	156.00	329	234.00	90
67.00	1935	115.00	1062	157.00	2601	235.00	14
68.00	108608	116.00	4051	158.00	551	236.00	57
69.00	105480	117.00	7087	159.00	1463	237.00	64
70.00	7797	118.00	3865	161.00	1618	240.00	115
71.00	286	119.00	5854	162.00	111	248.00	55
72.00	4244	120.00	183	163.00	68	250.00	18

Report Date: 03-Jul-2014 12:48:04

Chrom Revision: 2.2 24-Jun-2014 07:21:42

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_001.D\TO15_LLNJ_TO3_G.rsl\spectra.d

Injection Date: 02-Jul-2014 15:15:30

Spectrum: Tune Spec: Scans 66-68(5.83-5.84) Bgrd 54(5.77)

Base Peak: 174.00

Minimum % Base Peak: 0

Number of Points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	39312	121.00	126	164.00	2	251.00	27
74.00	171648	122.00	218	169.00	60	253.00	560
75.00	548864	123.00	384	171.00	243	254.00	169
76.00	47624	124.00	756	172.00	478	256.00	55
77.00	5972	125.00	430	173.00	6633	260.00	244
78.00	3531	126.00	368	174.00	1606656	262.00	166
79.00	24040	127.00	316	175.00	112648		
80.00	10174	128.00	4736	176.00	1587712		
81.00	25192	129.00	2376	177.00	106024		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_001.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 22-Jul-2014 09:59:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Sample Info: 200-0008660-001
Misc. Info.: bfb
Operator ID: pad Instrument ID: CHG.i
Method: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Jul-2014 12:23:50 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 43 Chlorobromomethane	128		10.408					0	
* 54 1,4-Difluorobenzene	114		12.419					0	
* 76 Chlorobenzene-d5	117		18.587					0	
* 87 4-Bromofluorobenzene	95		20.963					0	

Reagents:

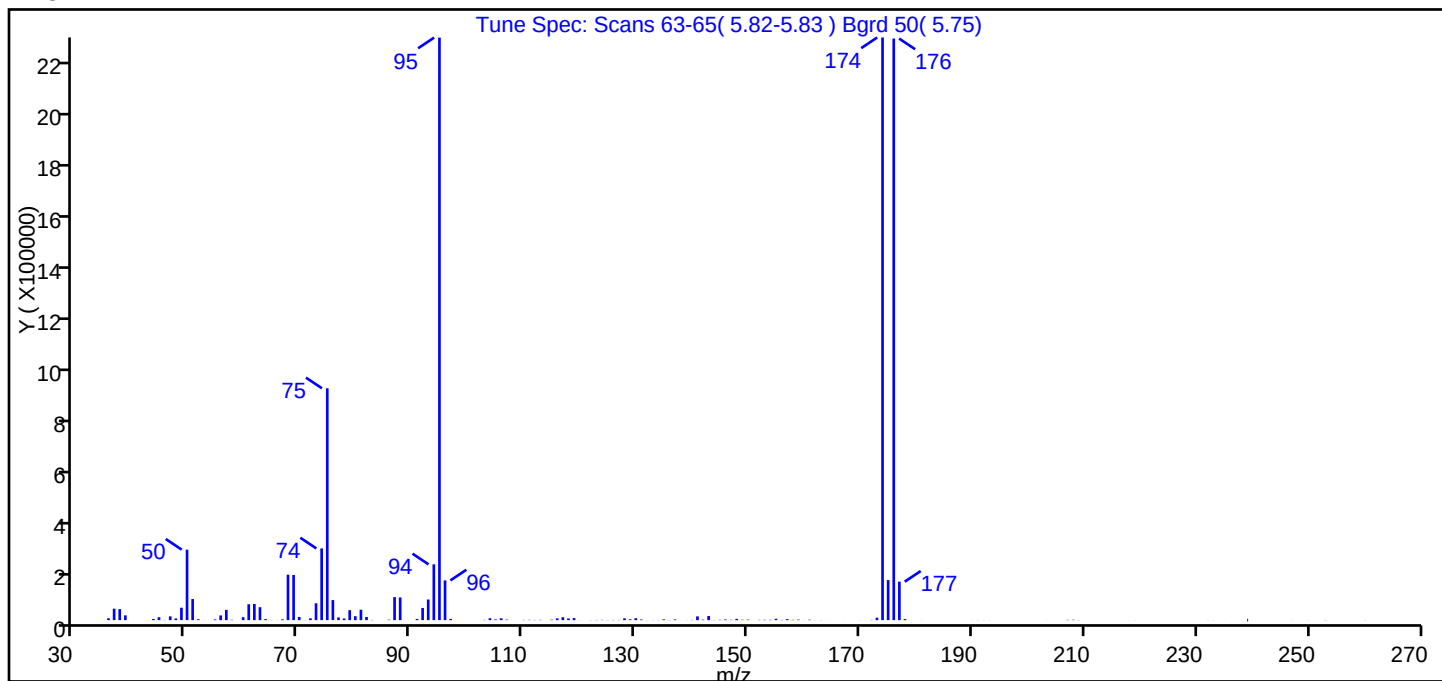
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_001.D
Injection Date: 22-Jul-2014 09:59:30 Instrument ID: CHG.i
Lims ID: bfb
Client ID:
Operator ID: pad ALS Bottle#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

Worklist Smp#: 1

13 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	12.10
75	30.00 - 66.00% of mass 95	39.80
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.40 (0.40)
174	50.00 - 120.00% of mass 95	100.00
175	4.00 - 9.00% of mass 174	6.90 (6.90)
176	93.00 - 101.00% of mass 174	99.80 (99.80)
177	5.00 - 9.00% of mass 176	6.60 (6.60)

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_001.D\TO15_LLNJ_TO3_G.rsl\spectra.d
Injection Date: 22-Jul-2014 09:59:30
Spectrum: Tune Spec: Scans 63-65(5.82-5.83) Bgrd 50(5.75)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 162

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	7337	81.00	40112	130.00	7501	173.00	9459
37.00	44216	82.00	12242	131.00	2628	174.00	2245120
38.00	42632	83.00	753	132.00	408	175.00	154368
39.00	18424	85.00	144	133.00	402	176.00	2241024
43.00	310	86.00	1824	134.00	459	177.00	148160
44.00	4638	87.00	88760	135.00	3065	178.00	4128
45.00	11381	88.00	87488	136.00	437	181.00	227
46.00	721	91.00	4711	137.00	2914	186.00	77
47.00	14542	92.00	46936	138.00	124	188.00	64
48.00	6511	93.00	79568	139.00	349	190.00	215
49.00	47936	94.00	214976	140.00	795	191.00	410
50.00	271616	95.00	2244608	141.00	14479	192.00	293
51.00	81280	96.00	153088	142.00	1909	193.00	225
52.00	3485	97.00	4705	143.00	15961	194.00	47
53.00	216	98.00	14	144.00	705	195.00	146
54.00	61	101.00	28	145.00	1300	196.00	115
55.00	2755	103.00	808	146.00	2637	197.00	59
56.00	18168	104.00	7335	147.00	1293	203.00	220
57.00	39648	105.00	2750	148.00	4844	207.00	1237
58.00	1394	106.00	7118	149.00	1519	208.00	1443
60.00	11401	107.00	2084	150.00	2042	209.00	625
61.00	61248	108.00	136	151.00	151	216.00	99
62.00	62216	109.00	108	152.00	1100	218.00	161
63.00	49856	110.00	856	153.00	1419	219.00	281
64.00	4079	111.00	1140	154.00	1174	232.00	301
65.00	500	112.00	806	155.00	5023	233.00	174
66.00	208	113.00	1133	156.00	748	235.00	123
67.00	3214	115.00	1735	157.00	3915	238.00	73
68.00	175168	116.00	6894	158.00	1200	239.00	4
69.00	174080	117.00	11251	159.00	2112	247.00	234
70.00	12337	118.00	6428	160.00	174	248.00	77
71.00	531	119.00	7917	161.00	1809	250.00	266
72.00	7068	120.00	277	162.00	166	253.00	634

Report Date: 23-Jul-2014 12:23:50

Chrom Revision: 2.2 24-Jun-2014 07:21:42

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_001.D\TO15_LLNJ_TO3_G.rsl\spectra.d

Injection Date: 22-Jul-2014 09:59:30

Spectrum: Tune Spec: Scans 63-65(5.82-5.83) Bgrd 50(5.75)

Base Peak: 174.00

Minimum % Base Peak: 0

Number of Points: 162

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	64896	122.00	504	163.00	455	254.00	37
74.00	276352	123.00	690	164.00	178	256.00	74
75.00	893376	124.00	1093	165.00	152	257.00	102
76.00	77224	125.00	503	166.00	76	260.00	325
77.00	10475	126.00	794	167.00	140	262.00	95
78.00	6454	127.00	770	170.00	298	265.00	111
79.00	38504	128.00	7091	171.00	120		
80.00	15301	129.00	3355	172.00	769		

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-75167/4

Matrix: Air Lab File ID: 8660_004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 07/22/2014 12:28

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.: 75167 Units: ppb v/v

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

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-75167/4

Matrix: Air Lab File ID: 8660_004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 07/22/2014 12:28

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.: 75167 Units: ppb v/v

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

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-75167/4

Matrix: Air Lab File ID: 8660_004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 07/22/2014 12:28

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.: 75167 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	1.1
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	1.4
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	1.1
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.81
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.79
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	3.7
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.98
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	1.5
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	1.2
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.81
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.79	0.79
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.92
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	1.4
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.98
106-99-0	1,3-Butadiene	54.09	ND		0.44	0.44
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	1.2
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	1.2
123-91-1	1,4-Dioxane	88.11	ND		18	18
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.93
95-49-8	2-Chlorotoluene	126.59	ND		1.0	1.0
107-05-1	3-Chloropropene	76.53	ND		1.6	1.6
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.98
67-64-1	Acetone	58.08	ND		12	12
71-43-2	Benzene	78.11	ND		0.64	0.64
75-27-4	Bromodichloromethane	163.83	ND		1.3	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.87
75-25-2	Bromoform	252.75	ND		2.1	2.1
74-83-9	Bromomethane	94.94	ND		0.78	0.78
75-15-0	Carbon disulfide	76.14	ND		1.6	1.6
56-23-5	Carbon tetrachloride	153.81	ND		1.3	1.3
108-90-7	Chlorobenzene	112.56	ND		0.92	0.92
75-00-3	Chloroethane	64.52	ND		1.3	1.3
67-66-3	Chloroform	119.38	ND		0.98	0.98

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-75167/4

Matrix: Air Lab File ID: 8660_004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 07/22/2014 12:28

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.: 75167 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	ND		1.0	1.0
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.79
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.91
110-82-7	Cyclohexane	84.16	ND		0.69	0.69
124-48-1	Dibromochloromethane	208.29	ND		1.7	1.7
75-71-8	Dichlorodifluoromethane	120.91	ND		2.5	2.5
100-41-4	Ethylbenzene	106.17	ND		0.87	0.87
76-13-1	Freon TF	187.38	ND		1.5	1.5
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	2.1
67-63-0	Isopropyl alcohol	60.10	ND		12	12
179601-23-1	m,p-Xylene	106.17	ND		2.2	2.2
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	2.0
78-93-3	Methyl Ethyl Ketone	72.11	ND		1.5	1.5
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	2.0
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.72
75-09-2	Methylene Chloride	84.93	ND		1.7	1.7
142-82-5	n-Heptane	100.21	ND		0.82	0.82
110-54-3	n-Hexane	86.17	ND		0.70	0.70
100-42-5	Styrene	104.15	ND		0.85	0.85
75-65-0	tert-Butyl alcohol	74.12	ND		15	15
127-18-4	Tetrachloroethene	165.83	ND		1.4	1.4
109-99-9	Tetrahydrofuran	72.11	ND		15	15
108-88-3	Toluene	92.14	ND		0.75	0.75
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.79
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.91
79-01-6	Trichloroethene	131.39	ND		1.1	1.1
75-69-4	Trichlorofluoromethane	137.37	ND		1.1	1.1
75-01-4	Vinyl chloride	62.50	ND		0.51	0.51
1330-20-7	Xylene (total)	106.17	ND		0.87	0.87
95-47-6	Xylene, o-	106.17	ND		0.87	0.87

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_004.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 22-Jul-2014 12:28:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0008660-004
 Misc. Info.: mb
 Operator ID: pad Instrument ID: CHG.i
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\TO15_LLNJ_TO3_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jul-2014 12:23:50 Calib Date: 02-Jul-2014 22:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: daiglep

Date: 23-Jul-2014 10:35:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		2.758					ND	
2 Dichlorodifluoromethane	85		2.827					ND	
6 Chlorodifluoromethane	51		2.886					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105					ND	
8 Chloromethane	50		3.244					ND	
9 Butane	43		3.448					ND	
10 Vinyl chloride	62		3.496					ND	
11 Butadiene	54		3.576					ND	
12 Bromomethane	94		4.293					ND	
14 Chloroethane	64		4.550					ND	
15 2-Methylbutane	43		4.625					ND	
16 Vinyl bromide	106		4.962					ND	
17 Trichlorofluoromethane	101		5.074					ND	
18 Pentane	43		5.224					ND	
19 Ethanol	45		5.721					ND	
21 Ethyl ether	59		5.796					ND	
22 Acrolein	56		6.203					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.230					ND	
24 1,1-Dichloroethene	96		6.262					ND	
25 Acetone	43		6.540					ND	
26 Carbon disulfide	76		6.647					ND	
27 Isopropyl alcohol	45		6.866					ND	
29 3-Chloro-1-propene	41		7.107					ND	
30 Acetonitrile	41		7.273					ND	
31 Methylene Chloride	49		7.423					ND	
32 2-Methyl-2-propanol	59		7.679					ND	
33 Methyl tert-butyl ether	73		7.840					ND	
34 trans-1,2-Dichloroethene	61		7.872					ND	
35 Acrylonitrile	53		8.059					ND	
36 Hexane	57		8.273					ND	
37 1,1-Dichloroethane	63		8.787					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
38 Vinyl acetate	43		8.888					ND	
39 cis-1,2-Dichloroethene	96		9.937					ND	
40 2-Butanone (MEK)	72		10.006					ND	
42 Ethyl acetate	88		10.055					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
44 Tetrahydrofuran	42		10.397					ND	
* 43 Chlorobromomethane	128	10.402	10.408	-0.006	67	687568	10.0	10.0	
45 Chloroform	83		10.557					ND	
46 Cyclohexane	84		10.771					ND	
47 1,1,1-Trichloroethane	97		10.814					ND	
48 Carbon tetrachloride	117		11.060					ND	
51 Isooctane	57		11.515					ND	
50 Benzene	78	11.542	11.547	-0.005	1	1073		0.006186	
52 1,2-Dichloroethane	62		11.745					ND	
53 n-Heptane	43		11.922					ND	
* 54 1,4-Difluorobenzene	114	12.414	12.419	-0.005	91	3922698	10.0	10.0	
55 n-Butanol	56		12.836					ND	
56 Trichloroethene	95		12.869					ND	
A 57 GRO	1	13.058	(4.615-21.502)		0	907570		0	
58 1,2-Dichloropropane	63		13.446					ND	
59 Methyl methacrylate	69		13.634					ND	
60 1,4-Dioxane	88		13.676					ND	
61 Dibromomethane	174		13.703					ND	
62 Dichlorobromomethane	83		14.019					ND	
A 63 TVOC as Toluene	1	14.762	(2.748-26.777)		0	989501		0	
64 cis-1,3-Dichloropropene	75		15.003					ND	
65 4-Methyl-2-pentanone (MIBK)	43		15.313					ND	
66 Toluene	92	15.602	15.608	-0.006	20	503		0.002259	
A 67 Toluene Range	1	15.608	(15.568-15.648)		0	5577		NC	
69 n-Octane	43	15.666	15.677	-0.011	1	813		0.006521	
A 68 C8 Range	1	15.696	(15.627-15.727)		0	3010		NC	
70 trans-1,3-Dichloropropene	75		16.244					ND	
71 1,1,2-Trichloroethane	83		16.629					ND	
72 Tetrachloroethene	166		16.715					ND	
73 2-Hexanone	43		17.100					ND	
74 Chlorodibromomethane	129		17.400					ND	
75 Ethylene Dibromide	107		17.678					ND	
* 76 Chlorobenzene-d5	117	18.587	18.587	0.000	81	4865277	10.0	10.0	
77 Chlorobenzene	112		18.652					ND	
78 Ethylbenzene	91	18.817	18.812	0.005	1	976		0.002098	
79 n-Nonane	57		18.940					ND	
80 m-Xylene & p-Xylene	106	19.058	19.064	-0.006	37	541		0.002663	
83 o-Xylene	106		19.914					ND	
84 Styrene	104		19.968					ND	
S 82 Xylenes, Total	106				0			0.002663	
85 Bromoform	173		20.390					ND	
86 Isopropylbenzene	105		20.599					ND	
* 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	98	2830983	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.252					ND	
90 N-Propylbenzene	91		21.321					ND	
89 1,2,3-Trichloropropane	75		21.353					ND	
93 n-Decane	57		21.492					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105		21.508					ND	
92 2-Chlorotoluene	91		21.514					ND	
94 1,3,5-Trimethylbenzene	105		21.615					ND	
95 Alpha Methyl Styrene	118		21.979					ND	
96 tert-Butylbenzene	119		22.102					ND	
97 1,2,4-Trimethylbenzene	105		22.193					ND	
98 sec-Butylbenzene	105		22.423					ND	
99 4-Isopropyltoluene	119		22.621					ND	
100 1,3-Dichlorobenzene	146		22.648					ND	
101 1,4-Dichlorobenzene	146		22.782					ND	
102 Benzyl chloride	91		22.985					ND	
103 n-Butylbenzene	91		23.188					ND	
104 Undecane	57		23.215					ND	
105 1,2-Dichlorobenzene	146		23.317					ND	
106 Dodecane	57		24.788					ND	
107 1,2,4-Trichlorobenzene	180		25.804					ND	
108 Hexachlorobutadiene	225		25.986					ND	
109 Naphthalene	128		26.296					ND	
110 1,2,3-Trichlorobenzene	180		26.767					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15GIS_00009

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_004.D

Injection Date: 22-Jul-2014 12:28:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

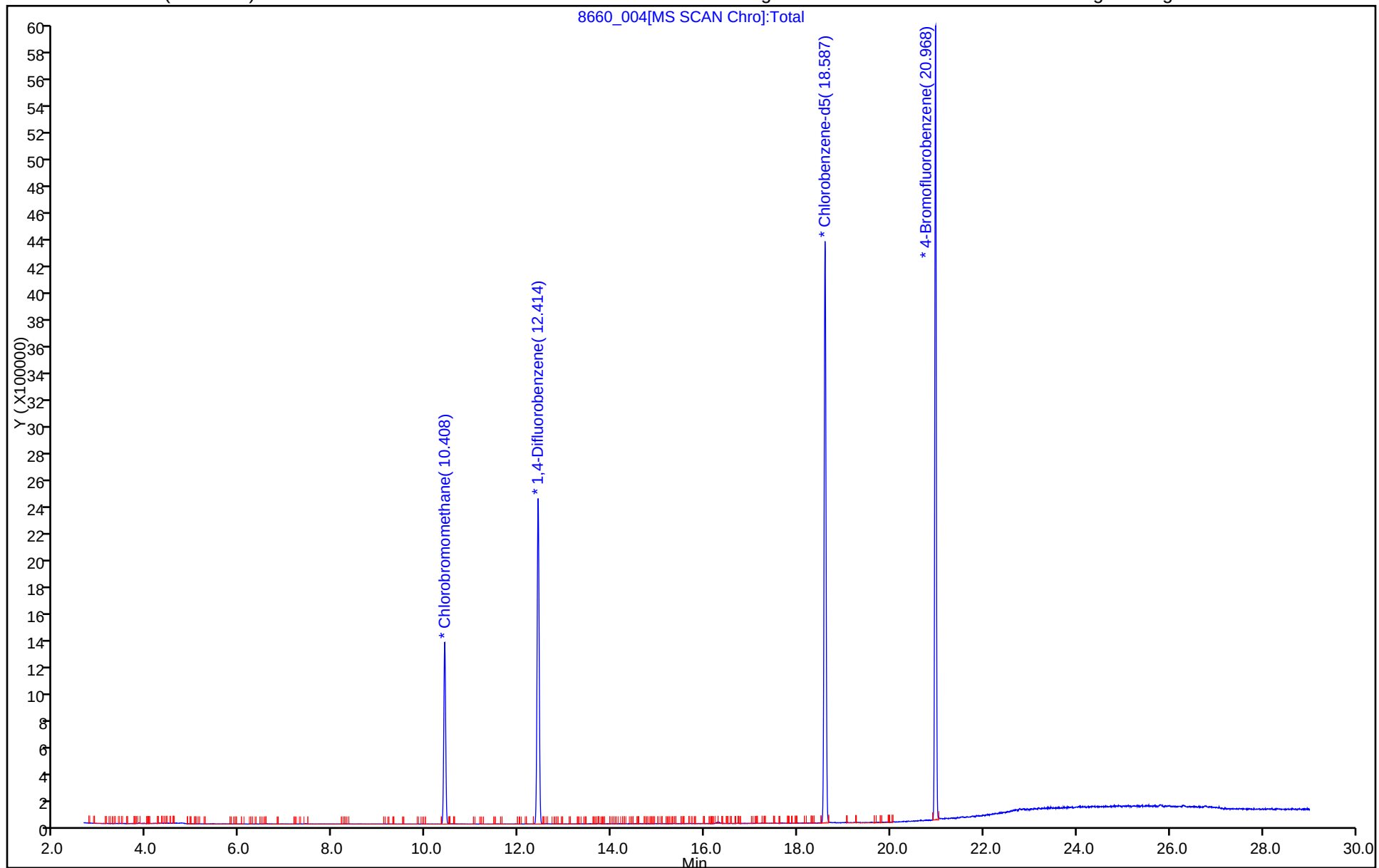
ALS Bottle#: 3

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-75167/3

Matrix: Air Lab File ID: 8660_003.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 07/22/2014 11:37

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 75167 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	10.8		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	11.8		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	11.9		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	10.4		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	10.6		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	9.75		0.50	0.50
95-63-6	1,2,4-Trimethylbenzene	120.20	11.6		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	11.4		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	10.6		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	11.1		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	21.7		0.20	0.20
78-87-5	1,2-Dichloropropane	112.99	10.4		0.20	0.20
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	12.6		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	11.3		0.20	0.20
106-99-0	1,3-Butadiene	54.09	9.99		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	10.6		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	10.3		0.20	0.20
123-91-1	1,4-Dioxane	88.11	10.0		5.0	5.0
540-84-1	2,2,4-Trimethylpentane	114.23	10.0		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	11.4		0.20	0.20
107-05-1	3-Chloropropene	76.53	9.55		0.50	0.50
622-96-8	4-Ethyltoluene	120.20	11.2		0.20	0.20
67-64-1	Acetone	58.08	11.9		5.0	5.0
71-43-2	Benzene	78.11	9.85		0.20	0.20
75-27-4	Bromodichloromethane	163.83	11.3		0.20	0.20
593-60-2	Bromoethene (Vinyl Bromide)	106.96	10.7		0.20	0.20
75-25-2	Bromoform	252.75	9.47		0.20	0.20
74-83-9	Bromomethane	94.94	11.0		0.20	0.20
75-15-0	Carbon disulfide	76.14	11.8		0.50	0.50
56-23-5	Carbon tetrachloride	153.81	9.98		0.20	0.20
108-90-7	Chlorobenzene	112.56	10.5		0.20	0.20
75-00-3	Chloroethane	64.52	10.8		0.50	0.50
67-66-3	Chloroform	119.38	10.9		0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 480-64051-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-75167/3

Matrix: Air Lab File ID: 8660_003.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 07/22/2014 11:37

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 75167 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	10.6		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	9.89		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	11.7		0.20	0.20
110-82-7	Cyclohexane	84.16	10.0		0.20	0.20
124-48-1	Dibromochloromethane	208.29	10.3		0.20	0.20
75-71-8	Dichlorodifluoromethane	120.91	11.2		0.50	0.50
100-41-4	Ethylbenzene	106.17	11.5		0.20	0.20
76-13-1	Freon TF	187.38	11.0		0.20	0.20
87-68-3	Hexachlorobutadiene	260.76	9.39		0.20	0.20
67-63-0	Isopropyl alcohol	60.10	9.02		5.0	5.0
179601-23-1	m,p-Xylene	106.17	21.4		0.50	0.50
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	11.1		0.50	0.50
78-93-3	Methyl Ethyl Ketone	72.11	10.0		0.50	0.50
108-10-1	methyl isobutyl ketone	100.16	11.1		0.50	0.50
1634-04-4	Methyl tert-butyl ether	88.15	10.8		0.20	0.20
75-09-2	Methylene Chloride	84.93	11.0		0.50	0.50
142-82-5	n-Heptane	100.21	10.2		0.20	0.20
110-54-3	n-Hexane	86.17	11.0		0.20	0.20
100-42-5	Styrene	104.15	11.2		0.20	0.20
75-65-0	tert-Butyl alcohol	74.12	9.87		5.0	5.0
127-18-4	Tetrachloroethene	165.83	8.99		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	10.6		5.0	5.0
108-88-3	Toluene	92.14	11.2		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	11.8		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	12.1		0.20	0.20
79-01-6	Trichloroethene	131.39	10.4		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	11.2		0.20	0.20
75-01-4	Vinyl chloride	62.50	9.96		0.20	0.20
1330-20-7	Xylene (total)	106.17	32.0		0.20	0.20
95-47-6	Xylene, o-	106.17	10.6		0.20	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_003.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 22-Jul-2014 11:37:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0008660-003
 Misc. Info.: lcs
 Operator ID: pad Instrument ID: CHG.i
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\TO15_LLNJ_TO3_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 23-Jul-2014 12:23:50 Calib Date: 02-Jul-2014 22:50:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last Ical File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK023

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.758	2.758	0.000	96	152593	10.0	10.0	
2 Dichlorodifluoromethane	85	2.827	2.827	0.000	99	1364758	10.0	11.2	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	550576	10.0	11.8	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.100	3.105	-0.005	95	1336997	10.0	12.6	
8 Chloromethane	50	3.244	3.244	0.000	99	246717	10.0	10.6	
9 Butane	43	3.448	3.448	0.000	96	309221	10.0	10.6	
10 Vinyl chloride	62	3.496	3.496	0.000	98	329230	10.0	9.96	
11 Butadiene	54	3.576	3.576	0.000	90	193626	10.0	10.0	
13 BFB									
12 Bromomethane	94	4.293	4.293	0.000	98	498985	10.0	11.0	
14 Chloroethane	64	4.550	4.550	0.000	99	123471	10.0	10.8	
15 2-Methylbutane	43	4.630	4.625	0.005	89	202126	10.0	11.2	
16 Vinyl bromide	106	4.962	4.962	0.000	99	568564	10.0	10.7	
17 Trichlorofluoromethane	101	5.069	5.074	-0.005	98	1519749	10.0	11.2	
18 Pentane	43	5.224	5.224	0.000	93	341185	10.0	11.4	
19 Ethanol	45	5.721	5.721	0.000	95	109331	15.0	15.2	
21 Ethyl ether	59	5.791	5.796	-0.005	96	180987	10.0	11.5	
22 Acrolein	56	6.208	6.203	0.005	96	80652	10.0	12.0	
23 1,1,2-Trichloro-1,2,2-trif	101	6.224	6.230	-0.006	97	978109	10.0	11.0	
24 1,1-Dichloroethene	96	6.262	6.262	0.000	92	413556	10.0	10.6	
25 Acetone	43	6.540	6.540	0.000	86	379340	10.0	11.9	
26 Carbon disulfide	76	6.641	6.647	-0.006	98	1198150	10.0	11.8	
27 Isopropyl alcohol	45	6.871	6.866	0.005	98	239549	10.0	9.02	
29 3-Chloro-1-propene	41	7.107	7.107	0.000	80	237104	10.0	9.55	
30 Acetonitrile	41	7.273	7.273	0.000	97	139182	10.0	11.0	
31 Methylene Chloride	49	7.417	7.423	-0.006	80	310577	10.0	11.0	
32 2-Methyl-2-propanol	59	7.685	7.679	0.006	98	485766	10.0	9.87	
33 Methyl tert-butyl ether	73	7.840	7.840	0.000	94	960434	10.0	10.8	
34 trans-1,2-Dichloroethene	61	7.872	7.872	0.000	86	496826	10.0	11.8	
35 Acrylonitrile	53	8.059	8.059	0.000	93	170317	10.0	11.0	
36 Hexane	57	8.273	8.273	0.000	89	359945	10.0	11.0	
37 1,1-Dichloroethane	63	8.787	8.787	0.000	99	645453	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
38 Vinyl acetate	43	8.888	8.888	0.000	99	574410	10.0	10.2	
39 cis-1,2-Dichloroethene	96	9.937	9.937	0.000	91	561588	10.0	9.89	
40 2-Butanone (MEK)	72	10.006	10.006	0.000	97	174312	10.0	10.0	
42 Ethyl acetate	88	10.060	10.055	0.005	99	29058	10.0	11.2	
S 41 1,2-Dichloroethene, Total	61				0		20.0	21.7	
44 Tetrahydrofuran	42	10.402	10.397	0.005	79	265109	10.0	10.6	
* 43 Chlorobromomethane	128	10.408	10.408	0.000	68	649718	10.0	10.0	
45 Chloroform	83	10.552	10.557	-0.005	99	1271857	10.0	10.9	
46 Cyclohexane	84	10.766	10.771	-0.005	82	587375	10.0	10.0	
47 1,1,1-Trichloroethane	97	10.814	10.814	0.000	95	1463735	10.0	10.8	
48 Carbon tetrachloride	117	11.060	11.060	0.000	97	1817189	10.0	9.98	
51 Isooctane	57	11.515	11.515	0.000	98	1792502	10.0	10.0	
50 Benzene	78	11.547	11.547	0.000	94	1603321	10.0	9.85	
52 1,2-Dichloroethane	62	11.745	11.745	0.000	99	853554	10.0	11.1	
53 n-Heptane	43	11.922	11.922	0.000	86	601375	10.0	10.2	
* 54 1,4-Difluorobenzene	114	12.419	12.419	0.000	91	3682177	10.0	10.0	
55 n-Butanol	56	12.831	12.836	-0.005	86	209634	10.0	9.16	
56 Trichloroethene	95	12.874	12.869	0.005	94	1226146	10.0	10.4	
A 57 GRO	1	13.058	(4.615-21.502)		0	272874324	10.0	0	
58 1,2-Dichloropropane	63	13.446	13.446	0.000	92	776985	10.0	10.4	
59 Methyl methacrylate	69	13.633	13.634	-0.001	78	724807	10.0	10.9	
60 1,4-Dioxane	88	13.671	13.676	-0.005	82	357407	10.0	10.0	
61 Dibromomethane	174	13.703	13.703	0.000	92	1567806	10.0	9.33	
62 Dichlorobromomethane	83	14.013	14.019	-0.006	97	2340163	10.0	11.3	
A 63 TVOC as Toluene	1	14.762	(2.748-26.777)		0	524883997	10.0	0	
64 cis-1,3-Dichloropropene	75	15.003	15.003	0.000	87	1704453	10.0	11.7	
65 4-Methyl-2-pentanone (MIBK)	43	15.319	15.313	0.006	92	1409834	10.0	11.1	
66 Toluene	92	15.608	15.608	0.000	94	2237494	10.0	11.2	
A 67 Toluene Range	1	15.608	(15.568-15.648)		0	8352454	NC	NC	
69 n-Octane	43	15.677	15.677	0.000	85	1409970	10.0	12.0	
A 68 C8 Range	1	15.691	(15.627-15.727)		0	5887274	NC	NC	
70 trans-1,3-Dichloropropene	75	16.244	16.244	0.000	93	1819124	10.0	12.1	
71 1,1,2-Trichloroethane	83	16.629	16.629	0.000	95	1260752	10.0	11.9	
72 Tetrachloroethene	166	16.715	16.715	0.000	97	2402490	10.0	8.99	
73 2-Hexanone	43	17.100	17.100	0.000	93	1414144	10.0	11.1	
74 Chlorodibromomethane	129	17.400	17.400	0.000	97	3116133	10.0	10.3	
75 Ethylene Dibromide	107	17.678	17.678	0.000	99	2686177	10.0	11.4	
* 76 Chlorobenzene-d5	117	18.593	18.587	0.006	81	4353538	10.0	10.0	
77 Chlorobenzene	112	18.651	18.652	-0.001	99	3363843	10.0	10.5	
78 Ethylbenzene	91	18.807	18.812	-0.005	96	4802176	10.0	11.5	
79 n-Nonane	57	18.940	18.940	0.000	82	1641896	10.0	11.8	
80 m-Xylene & p-Xylene	106	19.063	19.064	-0.001	99	3890846	20.0	21.4	
83 o-Xylene	106	19.914	19.914	0.000	95	2036425	10.0	10.6	
84 Styrene	104	19.973	19.968	0.005	98	3012530	10.0	11.2	
S 82 Xylenes, Total	106				0		30.0	32.1	
85 Bromoform	173	20.385	20.390	-0.005	98	3305192	10.0	9.47	
86 Isopropylbenzene	105	20.599	20.599	0.000	95	5523346	10.0	10.9	
* 87 4-Bromofluorobenzene	95	20.968	20.963	0.005	98	2805632	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.257	21.252	0.005	98	3105719	10.0	11.8	
90 N-Propylbenzene	91	21.321	21.321	0.000	100	6533647	10.0	11.6	
89 1,2,3-Trichloropropane	75	21.353	21.353	0.000	95	2178461	10.0	11.9	
93 n-Decane	57	21.492	21.492	0.000	83	1856495	10.0	11.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.508	21.508	0.000	97	5256865	10.0	11.2	
92 2-Chlorotoluene	91	21.514	21.514	0.000	96	4202053	10.0	11.4	
94 1,3,5-Trimethylbenzene	105	21.615	21.615	0.000	94	4673592	10.0	11.3	
95 Alpha Methyl Styrene	118	21.979	21.979	0.000	92	2606719	10.0	11.1	
96 tert-Butylbenzene	119	22.102	22.102	0.000	93	4486496	10.0	10.8	
97 1,2,4-Trimethylbenzene	105	22.193	22.193	0.000	96	4726267	10.0	11.6	
98 sec-Butylbenzene	105	22.423	22.423	0.000	99	6804905	10.0	11.7	
99 4-Isopropyltoluene	119	22.621	22.621	0.000	97	5743556	10.0	11.0	
100 1,3-Dichlorobenzene	146	22.648	22.648	0.000	99	3863997	10.0	10.6	
101 1,4-Dichlorobenzene	146	22.781	22.782	-0.001	97	3988249	10.0	10.3	
102 Benzyl chloride	91	22.985	22.985	0.000	100	3801000	10.0	11.1	
103 n-Butylbenzene	91	23.188	23.188	0.000	98	5153453	10.0	12.5	
104 Undecane	57	23.215	23.215	0.000	90	2188249	10.0	13.4	
105 1,2-Dichlorobenzene	146	23.316	23.317	-0.001	99	3802779	10.0	10.6	
106 Dodecane	57	24.788	24.788	0.000	91	1613268	10.0	13.9	
107 1,2,4-Trichlorobenzene	180	25.804	25.804	0.000	94	3090275	10.0	9.75	
108 Hexachlorobutadiene	225	25.991	25.986	0.005	95	2653986	10.0	9.39	
109 Naphthalene	128	26.296	26.296	0.000	99	5942131	10.0	11.1	
110 1,2,3-Trichlorobenzene	180	26.767	26.767	0.000	96	2557080	10.0	11.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00386

Amount Added: 200.00

Units: mL

ATTO15GIS_00009

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_003.D

Injection Date: 22-Jul-2014 11:37:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

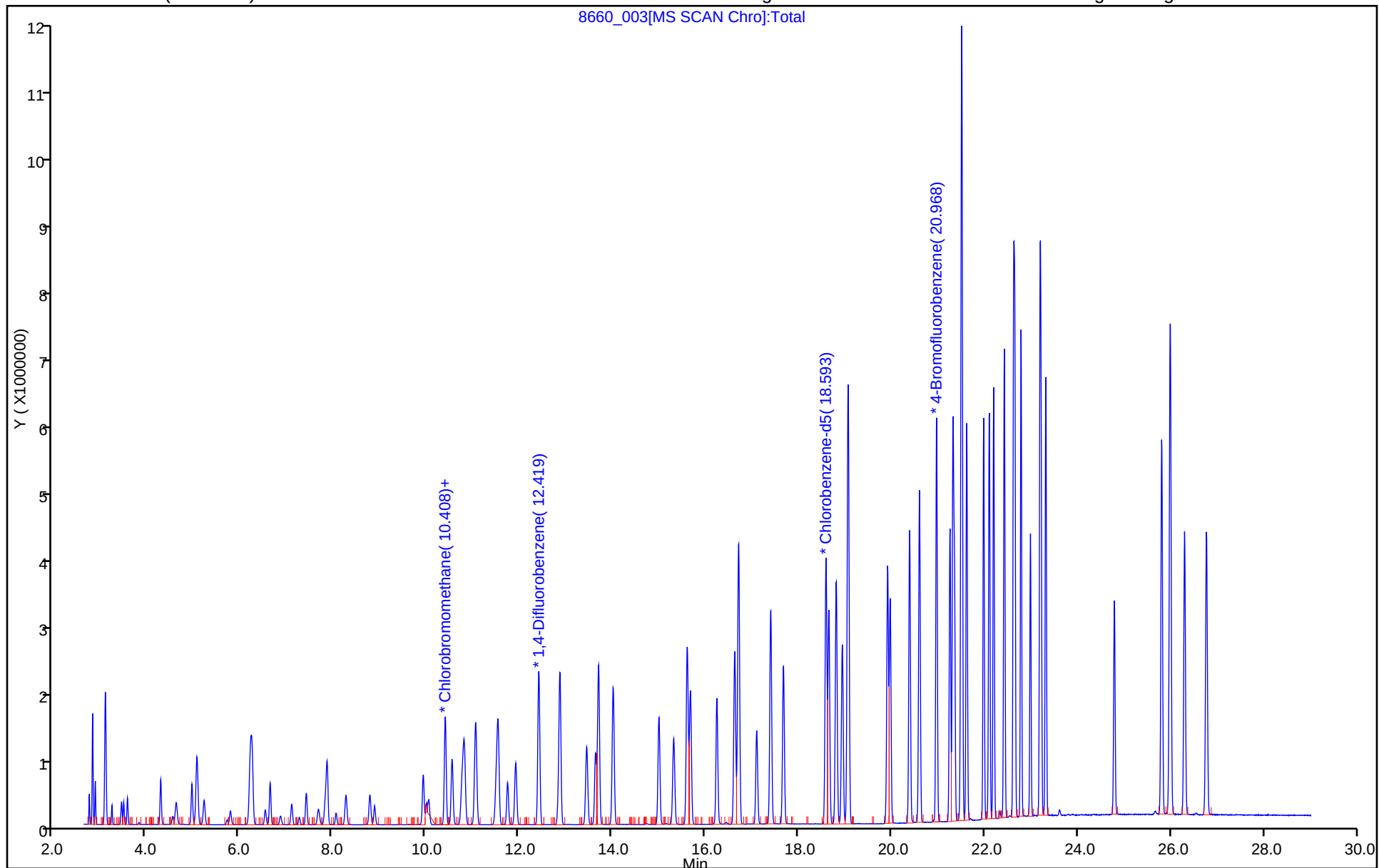
ALS Bottle#: 2

Method: TO15_LLNJ_TO3_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 480-64051-1

SDG No.: _____

Instrument ID: CHG.iStart Date: 07/02/2014 15:15Analysis Batch Number: 74492End Date: 07/03/2014 03:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74492/1		07/02/2014 15:15	1	8394_001.D	RTX-624 0.32 (mm)
VIBLK 200-74492/2		07/02/2014 16:01	1		RTX-624 0.32 (mm)
IC 200-74492/3		07/02/2014 16:53	1	8394_003.D	RTX-624 0.32 (mm)
IC 200-74492/4		07/02/2014 17:44	1	8394_004.D	RTX-624 0.32 (mm)
IC 200-74492/5		07/02/2014 18:35	1	8394_005.D	RTX-624 0.32 (mm)
IC 200-74492/6		07/02/2014 19:26	1	8394_006.D	RTX-624 0.32 (mm)
ICIS 200-74492/7		07/02/2014 20:17	1	8394_007.D	RTX-624 0.32 (mm)
IC 200-74492/8		07/02/2014 21:08	1	8394_008.D	RTX-624 0.32 (mm)
IC 200-74492/9		07/02/2014 21:59	1	8394_009.D	RTX-624 0.32 (mm)
IC 200-74492/10		07/02/2014 22:50	1	8394_010.D	RTX-624 0.32 (mm)
VIBLK 200-74492/11		07/02/2014 23:41	1		RTX-624 0.32 (mm)
VIBLK 200-74492/12		07/03/2014 00:33	1		RTX-624 0.32 (mm)
ICV 200-74492/13		07/03/2014 01:24	1	8394_013.D	RTX-624 0.32 (mm)
ZZZZZ		07/03/2014 02:15	1		RTX-624 0.32 (mm)
ZZZZZ		07/03/2014 03:07	1		RTX-624 0.32 (mm)
ZZZZZ		07/03/2014 03:58	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 480-64051-1

SDG No.: _____

Instrument ID: CHG.iStart Date: 07/22/2014 09:59Analysis Batch Number: 75167End Date: 07/23/2014 08:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-75167/1		07/22/2014 09:59	1	8660_001.D	RTX-624 0.32 (mm)
CCVIS 200-75167/2		07/22/2014 10:46	1	8660_002.D	RTX-624 0.32 (mm)
LCS 200-75167/3		07/22/2014 11:37	1	8660_003.D	RTX-624 0.32 (mm)
MB 200-75167/4		07/22/2014 12:28	1	8660_004.D	RTX-624 0.32 (mm)
ZZZZZ		07/22/2014 13:20	10		RTX-624 0.32 (mm)
ZZZZZ		07/22/2014 14:11	10		RTX-624 0.32 (mm)
ZZZZZ		07/22/2014 15:02	12.5		RTX-624 0.32 (mm)
ZZZZZ		07/22/2014 15:53	17.1		RTX-624 0.32 (mm)
ZZZZZ		07/22/2014 16:44	13.1		RTX-624 0.32 (mm)
ZZZZZ		07/22/2014 17:35	31.4		RTX-624 0.32 (mm)
ZZZZZ		07/22/2014 18:26	1		RTX-624 0.32 (mm)
ZZZZZ		07/22/2014 19:17	1		RTX-624 0.32 (mm)
ZZZZZ		07/22/2014 20:08	1		RTX-624 0.32 (mm)
ZZZZZ		07/22/2014 20:59	1		RTX-624 0.32 (mm)
ZZZZZ		07/22/2014 21:50	378		RTX-624 0.32 (mm)
ZZZZZ		07/22/2014 22:41	21.3		RTX-624 0.32 (mm)
ZZZZZ		07/22/2014 23:32	500		RTX-624 0.32 (mm)
ZZZZZ		07/23/2014 00:24	127		RTX-624 0.32 (mm)
ZZZZZ		07/23/2014 01:15	1		RTX-624 0.32 (mm)
ZZZZZ		07/23/2014 02:06	1		RTX-624 0.32 (mm)
480-64051-21	AS Effluent 3Q14	07/23/2014 02:57	1	8660_021.D	RTX-624 0.32 (mm)
480-64051-22	LRP Effluent 3Q14	07/23/2014 03:48	186	8660_022.D	RTX-624 0.32 (mm)
ZZZZZ		07/23/2014 04:40	4810		RTX-624 0.32 (mm)
ZZZZZ		07/23/2014 05:31	1		RTX-624 0.32 (mm)
ZZZZZ		07/23/2014 06:22	1		RTX-624 0.32 (mm)
ZZZZZ		07/23/2014 07:47	1		RTX-624 0.32 (mm)
ZZZZZ		07/23/2014 08:38	1		RTX-624 0.32 (mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP (¹ Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
AECOM	480-64051	7/18/14	1600	29.6	22	69	BC

Sampling Information and Return Equipment Check

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	✓		
(3) MA MCP: Check return flow rate for flow controllers		✓	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	

If damage observed, list equipment IDs and describe condition:

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure ¹ ("Hg)	Anomaly ² (Y/N)	FC ID ³	FC Return (Y/N)	Can Cert Batch ID	Comments
Ce4051-21	4804	-1.0	N	5332	Y	3668 8449	Vac large
I-22	4456	0.0	+	+	+	+	
BL 7/18/14							

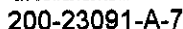
¹ Criteria: Return Pressure should be between -1 and -10 ("Hg)

² If return pressure is not within criteria, initiate anomaly report.

³ Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page #

N/A



23091

#7

A

Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/5/2014 12:00 AM 200-676639

Certification Type: ☒ Batch ☐ Individual

System ID		# Cycles	Cleaning Date	Technician	Canister Size		
TOP		2515	7/5/14	MJD	6L	1L	3L
Leak Test							
Port	Can ID	Initial ¹ ("Hg)	Final ("Hg)	Adjusted Initial ² ("Hg)	Difference ³	Initial Reading	Final Reading
						Gauge ID:	Gauge ID:
1	4318	30.0	-29.5	-30.0	+0.5	Gauge ID: 613	Gauge ID: G-13
2	5084		-30.2		-0.2	Date: 7/7/14	Date: 7/9/14
3	4329		-30.3		-0.3	Time:	Time: 1530
4	4126		-30.5		-0.5	Tech: ME	Tech: [Signature]
5	4026		-30.2		-0.2	BP: 29.5 ("Hg)	BP: 29.5 ("Hg)
6	5634		-30.3		-0.3	Temp 22 (°C)	Temp: 22 (°C)
7	3668		-30.3		-0.3	³ Acceptance Criteria: (1) The difference must be less than or equal to + 0.5 (2) Pressure readings must be at least 24 hours apart. If time frame was not met, the PM must authorize shipment of canister.	
8	4804		-30.1		-0.1	PM Authorization:	
9	4456		-30.2		-0.2	Signature	
10	4570		-30.3		-0.3	Date	
11	4872		-30.2		-0.2		
12	4341		-30.1		-0.1		

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

[illegible]

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 8449_003.D
 Lab ID: LCS 200-74630/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	13.5	135	70-130	*
Dichlorodifluoromethane	10.0	12.3	123	70-130	
Freon 22	10.0	13.2	132	70-130	*
1,2-Dichlorotetrafluoroethane	10.0	12.1	121	70-130	
Chloromethane	10.0	12.0	120	70-130	
n-Butane	10.0	12.6	126	70-130	
Vinyl chloride	10.0	11.6	116	70-130	
1,3-Butadiene	10.0	11.6	116	70-130	
Bromomethane	10.0	8.99	90	70-130	
Chloroethane	10.0	9.55	95	70-130	
Bromoethene (Vinyl Bromide)	10.0	8.79	88	70-130	
Trichlorofluoromethane	10.0	10.5	105	70-130	
Ethanol	15.0	10.7	71	70-130	
Freon TF	10.0	9.22	92	70-130	
1,1-Dichloroethene	10.0	8.73	87	70-130	
Acetone	10.0	11.3	113	70-130	
Isopropyl alcohol	10.0	8.39	84	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
3-Chloropropene	10.0	8.64	86	70-130	
Methylene Chloride	10.0	9.97	100	70-130	
tert-Butyl alcohol	10.0	9.43	94	70-130	
Methyl tert-butyl ether	10.0	9.85	99	70-130	
trans-1,2-Dichloroethene	10.0	10.9	109	70-130	
n-Hexane	10.0	10.0	100	70-130	
1,1-Dichloroethane	10.0	9.84	98	70-130	
Vinyl acetate	10.0	10.4	104	70-130	
Ethyl acetate	10.0	10.3	103	70-130	
Methyl Ethyl Ketone	10.0	8.61	86	70-130	
cis-1,2-Dichloroethene	10.0	8.89	89	70-130	
Chloroform	10.0	10.2	102	70-130	
Tetrahydrofuran	10.0	11.3	113	70-130	
1,1,1-Trichloroethane	10.0	11.3	113	70-130	
Cyclohexane	10.0	9.81	98	70-130	
Carbon tetrachloride	10.0	10.9	109	70-130	
2,2,4-Trimethylpentane	10.0	10.0	100	70-130	
Benzene	10.0	9.38	94	70-130	
1,2-Dichloroethane	10.0	12.2	122	70-130	
n-Heptane	10.0	10.3	103	70-130	
Trichloroethene	10.0	9.61	96	70-130	
Methyl methacrylate	10.0	10.5	105	70-130	
1,2-Dichloropropane	10.0	10.0	100	70-130	
1,4-Dioxane	10.0	8.13	81	70-130	

Column to be used to flag recovery and RPD values

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 8449_003.D
 Lab ID: LCS 200-74630/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.7	107	70-130	
cis-1,3-Dichloropropene	10.0	10.4	104	70-130	
methyl isobutyl ketone	10.0	11.0	110	70-130	
Toluene	10.0	9.52	95	70-130	
trans-1,3-Dichloropropene	10.0	11.0	110	70-130	
1,1,2-Trichloroethane	10.0	9.74	97	70-130	
Tetrachloroethene	10.0	8.59	86	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.9	109	70-130	
Dibromochloromethane	10.0	9.98	100	70-130	
1,2-Dibromoethane	10.0	9.75	97	70-130	
Chlorobenzene	10.0	9.56	96	70-130	
Ethylbenzene	10.0	10.4	104	70-130	
m,p-Xylene	20.0	20.1	100	70-130	
Xylene, o-	10.0	9.59	96	70-130	
Styrene	10.0	9.88	99	70-130	
Bromoform	10.0	9.30	93	70-130	
Cumene	10.0	10.0	100	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.96	100	70-130	
n-Propylbenzene	10.0	10.3	103	70-130	
4-Ethyltoluene	10.0	10.4	104	70-130	
1,3,5-Trimethylbenzene	10.0	10.3	103	70-130	
2-Chlorotoluene	10.0	10.5	105	70-130	
tert-Butylbenzene	10.0	10.0	101	70-130	
1,2,4-Trimethylbenzene	10.0	10.2	102	70-130	
sec-Butylbenzene	10.0	10.1	101	70-130	
4-Isopropyltoluene	10.0	10.2	102	70-130	
1,3-Dichlorobenzene	10.0	9.53	95	70-130	
1,4-Dichlorobenzene	10.0	9.49	95	70-130	
Benzyl chloride	10.0	9.09	91	70-130	
n-Butylbenzene	10.0	10.9	109	70-130	
1,2-Dichlorobenzene	10.0	9.49	95	70-130	
1,2,4-Trichlorobenzene	10.0	7.35	73	70-130	
Hexachlorobutadiene	10.0	7.88	79	70-130	
Naphthalene	10.0	7.05	70	70-130	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
SDG No.: _____
Lab File ID: 8449_004.D Lab Sample ID: MB 200-74630/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHB.i Date Analyzed: 07/08/2014 10:51
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 200-74630/3	8449_003.D	07/08/2014 09:59
3668	200-23091-7	8449_027.D	07/09/2014 07:11

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-74630/4
 Matrix: Air Lab File ID: 8449_004.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 07/08/2014 10:51
 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.: 74630 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-74630/4

Matrix: Air Lab File ID: 8449_004.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 07/08/2014 10:51

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.: 74630 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-74630/4
Matrix: Air Lab File ID: 8449_004.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 07/08/2014 10:51
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.: 74630 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20140708-8449.b\8449_004.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 08-Jul-2014 10:51:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0008449-004
 Misc. Info.: mb
 Operator ID: pad Instrument ID: CHB.i
 Method: \\Btv-lims1\chromdata\CHB.i\20140708-8449.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 09-Jul-2014 11:13:32 Calib Date: 14-Mar-2014 18:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140314-6557.b\6557_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: lyonsb

Date: 09-Jul-2014 10:56:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Difluoroethane TIC	51		3.150					ND	
2 Chlorotrifluoroethene TIC	116		3.162					ND	
4 Propene	41		3.170					ND	
3 Freon 115 TIC	85		3.180					ND	
5 Dichlorodifluoromethane	85		3.235					ND	
6 Chlorodifluoromethane	51		3.272					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.464					ND	
8 Chloromethane	50		3.603					ND	
9 Butane	43		3.784					ND	
10 Vinyl chloride	62		3.827					ND	
11 Butadiene	54		3.896					ND	
12 Bromomethane	94		4.617					ND	
14 Chloroethane	64		4.857					ND	
15 2-Methylbutane	43		4.926					ND	
16 Vinyl bromide	106		5.279					ND	
17 Trichlorofluoromethane	101		5.375					ND	
18 Pentane	43		5.508					ND	
19 Ethanol	45		5.866					ND	
21 Ethyl ether	59		6.004					ND	
22 Acrolein	56		6.410					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.426					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.430					ND	
24 1,1-Dichloroethene	96		6.506					ND	
25 Acetone	43		6.688					ND	
26 Isopropyl alcohol	45		6.885					ND	
27 Carbon disulfide	76		6.933					ND	
28 Methyl Acetate TIC	43		7.200					ND	
29 3-Chloro-1-propene	41		7.232					ND	
30 Acetonitrile	41		7.339					ND	
31 Methylene Chloride	49		7.499					ND	
32 2-Methyl-2-propanol	59		7.595					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Methyl tert-butyl ether	73		7.824					ND	
34 trans-1,2-Dichloroethene	61		7.894					ND	
35 Acrylonitrile	53		8.011					ND	
36 Hexane	57		8.203					ND	
37 1,1-Dichloroethane	63		8.657					ND	
38 Vinyl acetate	43		8.662					ND	
41 Ethyl acetate	88		9.559					ND	
40 2-Butanone (MEK)	72		9.564					ND	
39 cis-1,2-Dichloroethene	96		9.564					ND	
43 Tetrahydrofuran	42		9.932					ND	
* 44 Chlorobromomethane	128	9.932	9.938	-0.006	68	606749	10.0	10.0	
S 42 1,2-Dichloroethene, Total	61		10.000					0	
45 Chloroform	83		10.007					ND	
46 Cyclohexane	84		10.253					ND	
47 1,1,1-Trichloroethane	97		10.258					ND	
48 Carbon tetrachloride	117		10.450					ND	
49 Isooctane	57		10.722					ND	
50 Benzene	78		10.792					ND	
51 1,2-Dichloroethane	62		10.909					ND	
52 n-Heptane	43		10.973					ND	
A 53 GRO	1	11.016	(4.916-17.115)		0	376152		0	
* 54 1,4-Difluorobenzene	114	11.336	11.336	0.000	92	2981733	10.0	10.0	
55 Methyl cyclohexane TIC	55	11.331	11.500	-0.169	1	5901		NC	
56 n-Butanol	56		11.512					ND	
57 Trichloroethene	95		11.699					ND	
58 1,2-Dichloropropane	63		12.088					ND	
59 Methyl methacrylate	69		12.115					ND	
60 1,4-Dioxane	88		12.206					ND	
61 Dibromomethane	174		12.275					ND	
62 Dichlorobromomethane	83		12.441					ND	
A 63 TVOC as Toluene	1	12.678	(3.160-22.196)		0	648834		3.51	
64 cis-1,3-Dichloropropene	75		13.070					ND	
65 4-Methyl-2-pentanone (MIBK)	43		13.225					ND	
A 66 C8 Range	1		(13.399-13.479)					ND	
67 n-Octane	43		13.449					ND	
68 Toluene	92		13.492					ND	
A 69 Toluene Range	1	13.507	(13.482-13.532)		0	2371		NC	
70 trans-1,3-Dichloropropene	75		13.866					ND	
71 1,1,2-Trichloroethane	83		14.143					ND	
72 Tetrachloroethene	166		14.250					ND	
73 2-Hexanone	43		14.394					ND	
74 Chlorodibromomethane	129		14.682					ND	
75 Ethylene Dibromide	107		14.885					ND	
* 76 Chlorobenzene-d5	117	15.424	15.429	-0.005	81	2471665	10.0	10.0	
77 Chlorobenzene	112		15.467					ND	
79 Ethylbenzene	91		15.525					ND	
78 n-Nonane	57		15.525					ND	
80 m-Xylene & p-Xylene	106		15.670					ND	
S 81 Xylenes, Total	106		16.000					0	
82 o-Xylene	106		16.182					ND	
83 Styrene	104		16.203					ND	
84 Bromoform	173		16.502					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 Isopropylbenzene	105		16.582					ND	
\$ 86 4-Bromofluorobenzene	95	16.844	16.844	0.000	90	1374123	NC	NC	
87 1,1,2,2-Tetrachloroethane	83		16.998					ND	
88 N-Propylbenzene	91		17.057					ND	
89 1,2,3-Trichloropropane	75		17.084					ND	
90 n-Decane	57		17.105					ND	
91 4-Ethyltoluene	105		17.180					ND	
92 2-Chlorotoluene	91		17.228					ND	
93 1,3,5-Trimethylbenzene	105		17.249					ND	
94 Alpha Methyl Styrene	118		17.527					ND	
95 tert-Butylbenzene	119		17.634					ND	
96 1,2,4-Trimethylbenzene	105		17.703					ND	
97 sec-Butylbenzene	105		17.895					ND	
98 4-Isopropyltoluene	119		18.050					ND	
99 1,3-Dichlorobenzene	146		18.130					ND	
100 1,4-Dichlorobenzene	146		18.247					ND	
101 Benzyl chloride	91		18.413					ND	
102 Undecane	57		18.509					ND	
103 n-Butylbenzene	91		18.567					ND	
104 1,2-Dichlorobenzene	146		18.749					ND	
105 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
106 Dodecane	57		20.008					ND	
107 1,2,4-Trichlorobenzene	180		21.183					ND	
108 Hexachlorobutadiene	225		21.337					ND	
109 Naphthalene	128		21.700					ND	
110 1,2,3-Trichlorobenzene	180		22.186					ND	
111 Total Alkanes	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140708-8449.b\8449_004.D

Injection Date: 08-Jul-2014 10:51:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: MB

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

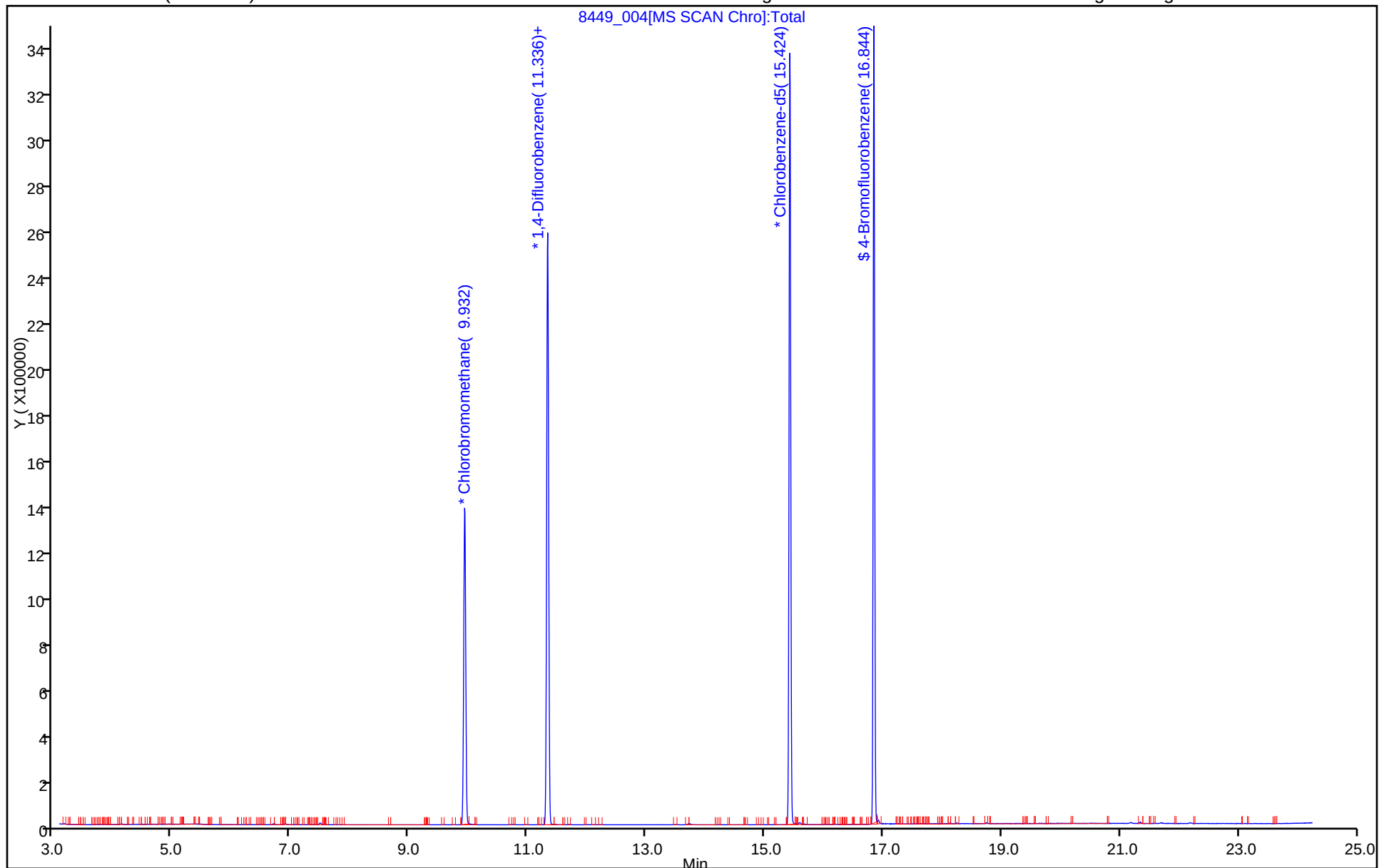
ALS Bottle#: 3

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
 SDG No.: _____
 Lab File ID: 6557_001.D BFB Injection Date: 03/14/2014
 Instrument ID: CHB.i BFB Injection Time: 10:21
 Analysis Batch No.: 69511

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	10.4
75	30.0 - 66.0% of mass 95	38.6
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	102.0
175	4.0 - 9.0 % of mass 174	7.3 (7.1)1
176	93.0 - 101.0% of mass 174	98.9 (97.0)1
177	5.0 - 9.0% of mass 176	6.5 (6.6)2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-69511/3	6557_003.D	03/14/2014	12:11
	IC 200-69511/4	6557_004.D	03/14/2014	13:03
	IC 200-69511/5	6557_005.D	03/14/2014	13:55
	IC 200-69511/6	6557_006.D	03/14/2014	14:47
	ICIS 200-69511/7	6557_007.D	03/14/2014	15:39
	IC 200-69511/8	6557_008.D	03/14/2014	16:31
	IC 200-69511/9	6557_009.D	03/14/2014	17:24
	IC 200-69511/10	6557_010.D	03/14/2014	18:16
	ICV 200-69511/13	6557_013.D	03/14/2014	20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
 SDG No.: _____
 Lab File ID: 8449_001.D BFB Injection Date: 07/08/2014
 Instrument ID: CHB.i BFB Injection Time: 08:17
 Analysis Batch No.: 74630

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.2
75	30.0 - 66.0% of mass 95	44.0
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	0.2 (0.2) 1
174	50.0 - 120.0% of mass 95	83.6
175	4.0 - 9.0 % of mass 174	5.9 (7.0) 1
176	93.0 - 101.0% of mass 174	80.6 (96.4) 1
177	5.0 - 9.0% of mass 176	5.3 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-74630/2	8449_002.D	07/08/2014	09:06
	LCS 200-74630/3	8449_003.D	07/08/2014	09:59
	MB 200-74630/4	8449_004.D	07/08/2014	10:51
3668	200-23091-7	8449_027.D	07/09/2014	07:11

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
SDG No.: _____
Sample No.: ICIS 200-69511/7 Date Analyzed: 03/14/2014 15:39
Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): 6557_007.D Heated Purge: (Y/N) N
Calibration ID: 26820

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		675362	9.96	3332868	11.37	2921558	15.46
UPPER LIMIT		945507	10.29	4666015	11.70	4090181	15.79
LOWER LIMIT		405217	9.63	1999721	11.04	1752935	15.13
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 200-69511/13		693647	9.96	3447206	11.37	2967928	15.46

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
 SDG No.: _____
 Sample No.: CCVIS 200-74630/2 Date Analyzed: 07/08/2014 09:06
 Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 8449_002.D Heated Purge: (Y/N) N
 Calibration ID: 26820

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		589988	9.94	2794693	11.34	2512184	15.43
UPPER LIMIT		825983	10.27	3912570	11.67	3517058	15.76
LOWER LIMIT		353993	9.61	1676816	11.01	1507310	15.10
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-74630/3		621963	9.94	2974020	11.34	2633283	15.43
MB 200-74630/4		606749	9.93	2981733	11.34	2471665	15.42
200-23091-7	3668	647048	9.93	3214531	11.34	2635787	15.42

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1

SDG No.: _____

Client Sample ID: 3668 Lab Sample ID: 200-23091-7

Matrix: Air Lab File ID: 8449_027.D

Analysis Method: TO-15 Date Collected: 07/05/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/09/2014 07:11

Soil Aliquot Vol: _____ Dilution Factor: 0.2

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

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

Analysis Batch No.: 74630 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U *	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U *	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1

SDG No.: _____

Client Sample ID: 3668 Lab Sample ID: 200-23091-7

Matrix: Air Lab File ID: 8449_027.D

Analysis Method: TO-15 Date Collected: 07/05/2014 00:00

Sample wt/vol: 1000 (mL) Date Analyzed: 07/09/2014 07:11

Soil Aliquot Vol: _____ Dilution Factor: 0.2

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

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

Analysis Batch No.: 74630 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
SDG No.: _____
Client Sample ID: 3668 Lab Sample ID: 200-23091-7
Matrix: Air Lab File ID: 8449_027.D
Analysis Method: TO-15 Date Collected: 07/05/2014 00:00
Sample wt/vol: 1000 (mL) Date Analyzed: 07/09/2014 07:11
Soil Aliquot Vol: _____ Dilution Factor: 0.2
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 74630 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20140708-8449.b\8449_027.D
 Lims ID: 200-23091-A-7 Lab Sample ID: 200-23091-7
 Client ID: 3668
 Sample Type: Client
 Inject. Date: 09-Jul-2014 07:11:30 ALS Bottle#: 26 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0008449-027
 Misc. Info.: 23091-07
 Operator ID: pad Instrument ID: CHB.i
 Method: \\Btv-lims1\chromdata\CHB.i\20140708-8449.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 09-Jul-2014 11:13:32 Calib Date: 14-Mar-2014 18:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140314-6557.b\6557_010.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: lyonsb

Date: 09-Jul-2014 11:11:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
4 Propene	41		3.170				ND	
5 Dichlorodifluoromethane	85		3.235				ND	
6 Chlorodifluoromethane	51		3.272				ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.464				ND	
8 Chloromethane	50		3.603				ND	
9 Butane	43		3.784				ND	
10 Vinyl chloride	62		3.827				ND	
11 Butadiene	54		3.896				ND	
12 Bromomethane	94		4.617				ND	
14 Chloroethane	64		4.857				ND	
16 Vinyl bromide	106		5.279				ND	
17 Trichlorofluoromethane	101		5.375				ND	
19 Ethanol	45		5.866				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.426				ND	
24 1,1-Dichloroethene	96		6.506				ND	
25 Acetone	43		6.688				ND	
26 Isopropyl alcohol	45		6.885				ND	
27 Carbon disulfide	76		6.933				ND	
29 3-Chloro-1-propene	41		7.232				ND	
31 Methylene Chloride	49		7.499				ND	
32 2-Methyl-2-propanol	59		7.595				ND	
33 Methyl tert-butyl ether	73		7.824				ND	
34 trans-1,2-Dichloroethene	61		7.894				ND	
36 Hexane	57		8.203				ND	
37 1,1-Dichloroethane	63		8.657				ND	
38 Vinyl acetate	43		8.662				ND	
41 Ethyl acetate	88		9.559				ND	
40 2-Butanone (MEK)	72		9.564				ND	
39 cis-1,2-Dichloroethene	96		9.564				ND	
43 Tetrahydrofuran	42		9.932				ND	
* 44 Chlorobromomethane	128	9.932	9.938	-0.006	69	647048	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
S 42 1,2-Dichloroethene, Total	61		10.000				0	
45 Chloroform	83		10.007				ND	
46 Cyclohexane	84		10.253				ND	
47 1,1,1-Trichloroethane	97		10.258				ND	
48 Carbon tetrachloride	117		10.450				ND	
49 Isooctane	57		10.722				ND	
50 Benzene	78		10.792				ND	
51 1,2-Dichloroethane	62		10.909				ND	
52 n-Heptane	43		10.973				ND	
* 54 1,4-Difluorobenzene	114	11.336	11.336	0.000	92	3214531	10.0	
57 Trichloroethene	95		11.699				ND	
58 1,2-Dichloropropane	63		12.088				ND	
59 Methyl methacrylate	69		12.115				ND	
60 1,4-Dioxane	88		12.206				ND	
61 Dibromomethane	174		12.275				ND	
62 Dichlorobromomethane	83		12.441				ND	
64 cis-1,3-Dichloropropene	75		13.070				ND	
65 4-Methyl-2-pentanone (MIBK)	43		13.225				ND	
68 Toluene	92		13.492				ND	
70 trans-1,3-Dichloropropene	75		13.866				ND	
71 1,1,2-Trichloroethane	83		14.143				ND	
72 Tetrachloroethene	166		14.250				ND	
73 2-Hexanone	43		14.394				ND	
74 Chlorodibromomethane	129		14.682				ND	
75 Ethylene Dibromide	107		14.885				ND	
* 76 Chlorobenzene-d5	117	15.424	15.429	-0.005	81	2635787	10.0	
77 Chlorobenzene	112		15.467				ND	
79 Ethylbenzene	91		15.525				ND	
80 m-Xylene & p-Xylene	106		15.670				ND	
S 81 Xylenes, Total	106		16.000				0	
82 o-Xylene	106		16.182				ND	
83 Styrene	104		16.203				ND	
84 Bromoform	173		16.502				ND	
85 Isopropylbenzene	105		16.582				ND	
\$ 86 4-Bromofluorobenzene	95	16.844	16.844	0.000	89	1492260	NC	
87 1,1,2,2-Tetrachloroethane	83		16.998				ND	
88 N-Propylbenzene	91		17.057				ND	
91 4-Ethyltoluene	105		17.180				ND	
92 2-Chlorotoluene	91		17.228				ND	
93 1,3,5-Trimethylbenzene	105		17.249				ND	
95 tert-Butylbenzene	119		17.634				ND	
96 1,2,4-Trimethylbenzene	105		17.703				ND	
97 sec-Butylbenzene	105		17.895				ND	
98 4-Isopropyltoluene	119		18.050				ND	
99 1,3-Dichlorobenzene	146		18.130				ND	
100 1,4-Dichlorobenzene	146		18.247				ND	
101 Benzyl chloride	91		18.413				ND	
103 n-Butylbenzene	91		18.567				ND	
104 1,2-Dichlorobenzene	146		18.749				ND	
107 1,2,4-Trichlorobenzene	180		21.183				ND	
108 Hexachlorobutadiene	225		21.337				ND	
109 Naphthalene	128		21.700				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140708-8449.b\8449_027.D

Injection Date: 09-Jul-2014 07:11:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: 200-23091-A-7

Lab Sample ID: 200-23091-7

Worklist Smp#: 27

Client ID: 3668

Purge Vol: 5.000 mL

Dil. Factor: 0.2000

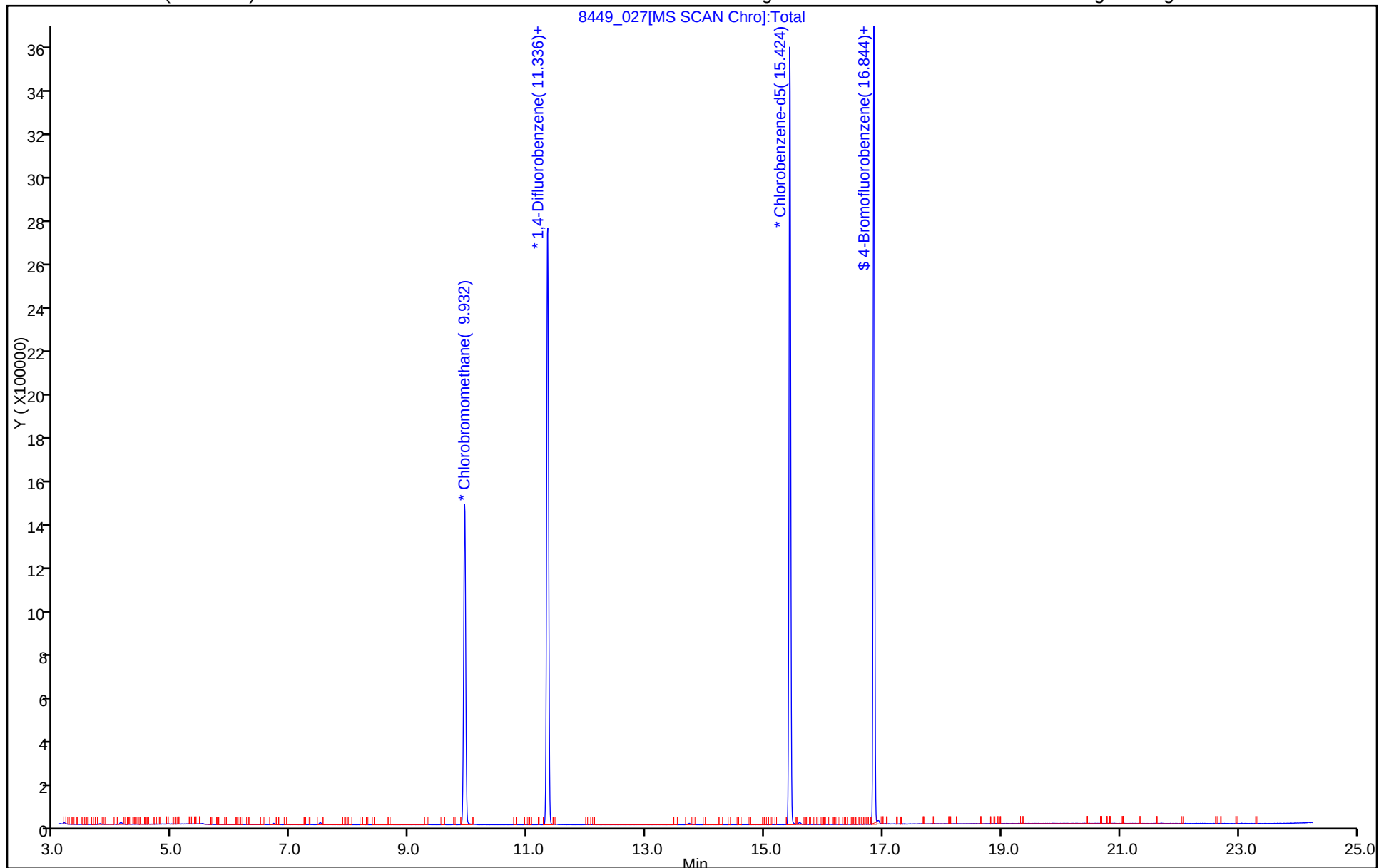
ALS Bottle#: 26

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1 Analy Batch No.: 69511

SDG No.: _____

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 26820

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-69511/3	6557_003.D
Level 2	IC 200-69511/4	6557_004.D
Level 3	IC 200-69511/5	6557_005.D
Level 4	IC 200-69511/6	6557_006.D
Level 5	ICIS 200-69511/7	6557_007.D
Level 6	IC 200-69511/8	6557_008.D
Level 7	IC 200-69511/9	6557_009.D
Level 8	IC 200-69511/10	6557_010.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	0.0649	0.1841	0.2754 0.1762	0.1803	0.1655	Ave		0.1744				38.0	*	30.0			
Dichlorodifluoromethane	1.3843	1.3872	1.8679 1.2626	1.5008	1.3628	Ave		1.4609				15.0		30.0			
Freon 22	0.5192	0.5365	0.6623 0.5110	0.5312	0.4957	Ave		0.5426				11.0		30.0			
1,2-Dichlorotetrafluoroethane	1.2780	1.8021 1.2832	1.6910 1.1718	1.3580	1.2404	Ave		1.4035				17.0		30.0			
Chloromethane	0.2557	0.2673	0.3383 0.2600	0.2602	0.2420	Ave		0.2706				13.0		30.0			
n-Butane	0.4273	0.4393	0.5823 0.4225	0.4325	0.4000	Ave		0.4506				15.0		30.0			
Vinyl chloride	0.5225 0.4164	0.5335 0.4378	0.5222 0.4226	0.4337	0.4051	Ave		0.4617				12.0		30.0			
1,3-Butadiene	0.2876	0.3548 0.3051	0.3428 0.2945	0.2998	0.2829	Ave		0.3096				9.0		30.0			
Bromomethane	0.7524	1.1260 0.8320	1.0812 0.8050	0.8720	0.8046	Ave		0.8962				16.0		30.0			
Chloroethane	0.2970	0.3413	0.4477 0.3316	0.3583	0.3322	Ave		0.3514				15.0		30.0			
Isopentane	0.3975	0.7623 0.4509	0.6519 0.4306	0.4854	0.4419	Ave		0.5172				26.0		30.0			
Bromoethene (Vinyl Bromide)	0.8584	1.2481 0.9721	1.2224 0.9407	1.0078	0.9503	Ave		1.0285				14.0		30.0			
Trichlorofluoromethane	2.1822	3.1363 2.3916	3.0641 2.2829	2.4875	2.3177	Ave		2.5517				15.0		30.0			
n-Pentane	0.8182	0.8524	1.2187 0.7879	0.9202	0.8292	Ave		0.9044				18.0		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1 Analy Batch No.: 69511

SDG No.: _____

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 26820

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	0.2119	0.2032	0.1803	0.2678	0.2387	Ave		0.2261				15.0		30.0			
Ethyl ether	0.5071	0.6258 0.5140	0.6113 0.4844	0.5187	0.4844	Ave		0.5351				11.0		30.0			
Acrolein	0.2139	0.2216	0.1893	0.2500	0.2275	Ave		0.2205				10.0		30.0			
Freon TF	2.1092	2.7871 2.1282	2.5360 1.9482	2.0951	1.9898	Ave		2.2276				14.0		30.0			
1,1-Dichloroethene	1.0535	1.2832 1.0739	1.2187 1.0189	1.0212	0.9878	Ave		1.0939				10.0		30.0			
Acetone	0.8094	0.9469	0.7397	0.8184	0.7368	Ave		0.8103				11.0		30.0			
Isopropyl alcohol	0.7740	0.7401	0.6297	0.7768	0.6980	Ave		0.7237				8.5		30.0			
Carbon disulfide	2.6094	2.9329 2.3649	2.1891	2.3918	2.2306	Ave		2.4531				11.0		30.0			
3-Chloropropene	0.6495	0.9517 0.6571	0.8516 0.6082	0.7102	0.6364	Ave		0.7235				18.0		30.0			
Acetonitrile	0.3643	0.3670	0.3327	0.3813	0.3412	Ave		0.3573				5.6		30.0			
Methylene Chloride	0.6091	0.6107	0.9686 0.5657	0.6695	0.5945	Ave		0.6697				22.0		30.0			
tert-Butyl alcohol	1.4216	1.4670	1.2786	1.3753	1.2864	Ave		1.3658				6.1		30.0			
Methyl tert-butyl ether	2.5967	3.0850 2.6664	2.9444 2.5416	2.5317	2.4407	Ave		2.6867				8.8		30.0			
trans-1,2-Dichloroethene	1.0190	1.3452 1.0305	1.2720 0.9642	1.0569	0.9749	Ave		1.0947				14.0		30.0			
Acrylonitrile	0.4677	0.4811	0.5720 0.4538	0.4844	0.4427	Ave		0.4836				9.5		30.0			
n-Hexane	1.0545	1.4421 1.0531	1.3229 0.9671	1.0960	1.0084	Ave		1.1349				16.0		30.0			
1,1-Dichloroethane	1.9343 1.3399	1.8300 1.3466	1.7219 1.2355	1.4109	1.2937	Ave		1.5141				18.0		30.0			
Vinyl acetate	1.3834	1.3742	1.2295	1.4803	1.3402	Ave		1.3615				6.6		30.0			
cis-1,2-Dichloroethene	1.1542	1.5159 1.1410	1.3964 0.9995	1.1741	1.1102	Ave		1.2130				15.0		30.0			
Ethyl acetate	0.0916	0.0920	0.0807	0.0909	0.0869	Ave		0.0884				5.4		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1 Analy Batch No.: 69511

SDG No.: _____

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 26820

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Methyl Ethyl Ketone	0.4418	0.4450	0.8421 0.3800	0.4577	0.4251	Ave		0.4986				34.0	*	30.0			
Tetrahydrofuran	0.1117	0.1099	0.0985	0.1178	0.1074	Ave		0.1091				6.4		30.0			
Chloroform	1.9716	2.5748 2.0083	2.3987 1.8935	1.9886	1.8740	Ave		2.1014				13.0		30.0			
Cyclohexane	0.2828	0.3575 0.2783	0.3416 0.2402	0.2887	0.2710	Ave		0.2943				14.0		30.0			
1,1,1-Trichloroethane	0.4425	0.5572 0.4388	0.5171 0.3914	0.4421	0.4164	Ave		0.4579				13.0		30.0			
Carbon tetrachloride	0.6115 0.4897	0.5836 0.4916	0.5516 0.4547	0.4723	0.4552	Ave		0.5138				12.0		30.0			
2,2,4-Trimethylpentane	0.7071	0.9184 0.6918	0.8786 0.6075	0.7453	0.6773	Ave		0.7465				15.0		30.0			
Benzene	0.6129	0.8222 0.6130	0.7666 0.5549	0.6220	0.5801	Ave		0.6531				15.0		30.0			
1,2-Dichloroethane	0.2090	0.2697 0.2119	0.2552 0.1999	0.2114	0.1969	Ave		0.2220				13.0		30.0			
n-Heptane	0.1925	0.2935 0.1873	0.2690 0.1621	0.2119	0.1869	Ave		0.2148				22.0		30.0			
n-Butanol	0.0900	0.0818	0.0739	0.0788	0.0745	Ave		0.0798				8.2		30.0			
Trichloroethene	0.4028 0.3019	0.3870 0.3006	0.3566 0.2688	0.3022	0.2852	Ave		0.3256				15.0		30.0			
1,2-Dichloropropane	0.1758	0.2441 0.1728	0.2303 0.1506	0.1858	0.1701	Ave		0.1899				18.0		30.0			
Methyl methacrylate	0.1989	0.2212 0.1964	0.2006 0.1742	0.2006	0.1891	Ave		0.1967				7.8		30.0			
1,4-Dioxane	0.1171	0.1126	0.0963	0.1078	0.1028	Ave		0.1073				7.6		30.0			
Dibromomethane	0.3359	0.4116 0.3256	0.3844 0.2694	0.3341	0.3200	Ave		0.3402				14.0		30.0			
Bromodichloromethane	0.4522	0.5578 0.4529	0.5187 0.4105	0.4540	0.4263	Ave		0.4675				11.0		30.0			
cis-1,3-Dichloropropene	0.3350	0.3894 0.3372	0.3718 0.3102	0.3287	0.3124	Ave		0.3407				8.7		30.0			
methyl isobutyl ketone	0.2607	0.3120 0.2567	0.2738 0.2275	0.2506	0.2506	Ave		0.2635				11.0		30.0			
n-Octane	0.2612	0.3942 0.2518	0.3659 0.2117	0.2958	0.2582	Ave		0.2913				23.0		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1 Analy Batch No.: 69511

SDG No.: _____

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 26820

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	0.5970	0.7615 0.5874	0.7210 0.5196	0.5897	0.5594	Ave		0.6194				14.0		30.0			
trans-1,3-Dichloropropene	0.3462	0.3935 0.3526	0.3740 0.3248	0.3402	0.3244	Ave		0.3508				7.2		30.0			
1,1,2-Trichloroethane	0.2627	0.3410 0.2609	0.3157 0.2324	0.2612	0.2455	Ave		0.2742				14.0		30.0			
Tetrachloroethene	0.7247 0.5842	0.7375 0.5564	0.6905 0.4519	0.5833	0.5594	Ave		0.6110				16.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	0.2938	0.2917 0.7625	0.3705 0.2590	0.3014	0.2767	Ave		0.2989				13.0		30.0			
Dibromochloromethane	0.6735	0.6601 0.7369	0.5663 0.6524	0.6277		Ave		0.6685				9.8		30.0			
1,2-Dibromoethane	0.5787	0.6818 0.5704	0.6518 0.4959	0.5602	0.5401	Ave		0.5827				11.0		30.0			
Chlorobenzene	0.8982	1.1090 0.8842	1.0616 0.7705	0.8777	0.8385	Ave		0.9199				13.0		30.0			
n-Nonane	0.3486	0.5649 0.3289	0.5287 0.2622	0.4026	0.3510	Ave		0.3981				28.0		30.0			
Ethylbenzene	1.1589	1.6628 1.0903	1.5500 0.8425	1.2646	1.1447	Ave		1.2448				23.0		30.0			
m,p-Xylene	0.5184	0.7038 0.4856	0.6741 0.3785	0.5592	0.5136	Ave		0.5476				20.0		30.0			
Xylene, o-	0.5564	0.6892 0.5317	0.6659 0.4362	0.5615	0.5306	Ave		0.5674				15.0		30.0			
Styrene	0.8692	0.9959 0.8315	0.9738 0.6853	0.8775	0.8314	Ave		0.8664				12.0		30.0			
Bromoform	0.6692	0.7623 0.6207	0.7340 0.4621	0.6894	0.6561	Ave		0.6562				15.0		30.0			
Cumene	1.5777	1.9416 1.5216	1.8859 1.2487	1.5915	1.5051	Ave		1.6103				15.0		30.0			
1,1,2,2-Tetrachloroethane	0.6810	0.9050 0.6626	0.8562 0.5389	0.7067	0.6560	Ave		0.7152				18.0		30.0			
n-Propylbenzene	1.7154	2.2503 1.6359	2.1462 1.2486	1.7994	1.6710	Ave		1.7810				19.0		30.0			
1,2,3-Trichloropropane	0.4550	0.6371 0.4346	0.5042 0.3300	0.4511		Ave		0.4687				21.0		30.0			
n-Decane	0.4603	0.4181 2.0056	0.6835 1.8913	0.5380	0.4668	Ave		0.4821				25.0		30.0			
4-Ethyltoluene	1.5866	1.5185 1.1917		1.6161	1.5173	Ave		1.6182				16.0		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1 Analy Batch No.: 69511

SDG No.: _____

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 26820

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	1.1711	1.5843 1.1243	1.4722 0.8735	1.2239	1.1356	Ave		1.2264				19.0		30.0			
1,3,5-Trimethylbenzene	1.2780	1.8405 1.2058	1.5841 0.9213	1.3418	1.2470	Ave		1.3455				22.0		30.0			
Alpha Methyl Styrene	0.7427	0.7643 0.6795	0.7628 0.5905	0.7410	0.7166	Ave		0.7139				8.7		30.0			
tert-Butylbenzene	1.3383	1.6500 1.2797	1.6163 1.0206	1.3623	1.2752	Ave		1.3632				16.0		30.0			
1,2,4-Trimethylbenzene	1.3474	1.8414 1.2725	1.5948 1.0374	1.3632	1.2794	Ave		1.3909				19.0		30.0			
sec-Butylbenzene	1.9256	2.4847 1.7896	2.4499 1.4307	1.9983	1.8528	Ave		1.9902				19.0		30.0			
4-Isopropyltoluene	1.7011	2.1051 1.5215	2.0251 1.2747	1.7276	1.6212	Ave		1.7109				17.0		30.0			
1,3-Dichlorobenzene	1.0335	1.2027 0.9692	1.2224 0.7673	1.0283	0.9819	Ave		1.0293				15.0		30.0			
1,4-Dichlorobenzene	1.0392	1.2010 0.9620	1.1867 0.7732	1.0284	0.9835	Ave		1.0249				14.0		30.0			
Benzyl chloride	1.1308	1.1119 1.1332	1.1807 1.0055	1.1545	1.1243	Ave		1.1201				4.9		30.0			
n-Undecane	0.5446	0.5062	0.4288	0.6090	0.5128	Ave		0.5203				13.0		30.0			
n-Butylbenzene	1.3839	1.6578 1.2166	1.6710 1.0709	1.4202	1.3172	Ave		1.3911				16.0		30.0			
1,2-Dichlorobenzene	0.9948	1.1501 0.9058	1.1462 0.7600	0.9847	0.9365	Ave		0.9826				14.0		30.0			
n-Dodecane	0.5175	0.4807	0.3797	0.4243	0.4502	Ave		0.4505				12.0		30.0			
1,2,4-Trichlorobenzene	0.7506	0.7623	0.6265 0.6384	0.6713	0.6625	Ave		0.6853				8.4		30.0			
Hexachlorobutadiene	0.5154	0.7227 0.4881	0.7143 0.3436	0.5561	0.5114	Ave		0.5502				24.0		30.0			
Naphthalene	1.8127	1.7883	1.3128 1.6270	1.6060	1.5881	Ave		1.6225				11.0		30.0			
1,2,3-Trichlorobenzene	0.7150	0.3477 0.7206	0.5390 0.6158	0.5638	0.6165	Ave		0.5884				22.0		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1 Analy Batch No.: 69511

SDG No.: _____

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 26820

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-69511/3	6557_003.D
Level 2	IC 200-69511/4	6557_004.D
Level 3	IC 200-69511/5	6557_005.D
Level 4	IC 200-69511/6	6557_006.D
Level 5	ICIS 200-69511/7	6557_007.D
Level 6	IC 200-69511/8	6557_008.D
Level 7	IC 200-69511/9	6557_009.D
Level 8	IC 200-69511/10	6557_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	68669	255405	8571 494024	57846	111743	15.0	20.0	0.499 40.0	5.00	10.00
Dichlorodifluoromethane	BCM	Ave	1465088	1924684	58127 3540616	481596	920185	15.0	20.0	0.499 40.0	5.00	10.00
Freon 22	BCM	Ave	549505	744372	20609 1432858	170467	334727	15.0	20.0	0.499 40.0	5.00	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	1352587	22832 1780420	52621 3286009	435762	837587	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Chloromethane	BCM	Ave	270601	370938	10528 728978	83492	163438	15.0	20.0	0.499 40.0	5.00	10.00
n-Butane	BCM	Ave	452265	609510	18121 1184752	138783	270060	15.0	20.0	0.499 40.0	5.00	10.00
Vinyl chloride	BCM	Ave	1331 440686	6759 607381	16249 1184971	139181	273563	0.0401 15.0	0.200 20.0	0.499 40.0	5.00	10.00
1,3-Butadiene	BCM	Ave	304353	4495 423287	10668 825788	96202	191019	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Bromomethane	BCM	Ave	796315	14266 1154441	33647 2257298	279835	543316	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Chloroethane	BCM	Ave	314310	473613	13933 929992	114968	224337	15.0	20.0	0.499 40.0	5.00	10.00
Isopentane	BCM	Ave	420737	9658 625662	20288 1207411	155767	298374	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	908458	15813 1348796	38039 2637985	323401	641650	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Trichlorofluoromethane	BCM	Ave	2309499	39736 3318292	95353 6401573	798212	1564955	15.0	0.200 20.0	0.499 40.0	5.00	10.00
n-Pentane	BCM	Ave	865938	1182737	37924 2209554	295295	559900	15.0	20.0	0.499 40.0	5.00	10.00
Ethanol	BCM	Ave	299678	563864	1263924	128955	241834	20.0	40.0	100.0	7.50	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1 Analy Batch No.: 69511

SDG No.: _____

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 26820

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	536655	7929 713148	19022 1358409	166445	327105	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Acrolein	BCM	Ave	226399	307411	530924	80218	153606	15.0	20.0	40.0	5.00	10.00
Freon TF	BCM	Ave	2232253	35311 2952854	78917 5463001	672307	1343543	15.0	0.200 20.0	0.499 40.0	5.00	10.00
1,1-Dichloroethene	BCM	Ave	1115004	16258 1490003	37925 2857246	327709	667016	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Acetone	BCM	Ave	856670	1313841	2074276	262630	497524	15.0	20.0	40.0	5.00	10.00
Isopropyl alcohol	BCM	Ave	819186	1026923	1765711	249273	471335	15.0	20.0	40.0	5.00	10.00
Carbon disulfide	BCM	Ave	2761642	3281323	91269 6138624	767517	1506201	15.0	20.0	0.499 40.0	5.00	10.00
3-Chloropropene	BCM	Ave	687372	12058 911683	26500 1705527	227884	429698	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Acetonitrile	BCM	Ave	385574	509211	933071	122363	230402	15.0	20.0	40.0	5.00	10.00
Methylene Chloride	BCM	Ave	644656	847304	30143 1586209	214839	401417	15.0	20.0	0.499 40.0	5.00	10.00
tert-Butyl alcohol	BCM	Ave	1504559	2035444	3585393	441312	868611	15.0	20.0	40.0	5.00	10.00
Methyl tert-butyl ether	BCM	Ave	2748228	39086 3699655	91627 7127075	812400	1648054	15.0	0.200 20.0	0.499 40.0	5.00	10.00
trans-1,2-Dichloroethene	BCM	Ave	1078469	17043 1429875	39584 2703787	339144	658313	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Acrylonitrile	BCM	Ave	495022	17800 667510	1272502	155452	298927	15.0	20.0	0.499 40.0	5.00	10.00
n-Hexane	BCM	Ave	1115992	18271 1461195	41169 2711842	351686	680918	15.0	0.200 20.0	0.499 40.0	5.00	10.00
1,1-Dichloroethane	BCM	Ave	1418035	4927 1868454	53584 3464607	452748	873545	0.0401 15.0	0.200 20.0	0.499 40.0	5.00	10.00
Vinyl acetate	BCM	Ave	1464152	1906704	3447819	475027	904975	15.0	20.0	40.0	5.00	10.00
cis-1,2-Dichloroethene	BCM	Ave	1221577	19206 1583080	43454 2802676	376774	749642	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Ethyl acetate	BCM	Ave	96943	127711	226393	29154	58667	15.0	20.0	40.0	5.00	10.00
Methyl Ethyl Ketone	BCM	Ave	467560	617414	26204 1065698	146884	287042	15.0	20.0	0.499 40.0	5.00	10.00
Tetrahydrofuran	DFB	Ave	580459	759097	1410138	184951	357806	15.0	20.0	40.0	5.00	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1 Analy Batch No.: 69511

SDG No.: _____

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 26820

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave		32622	74646	638145	1265393		0.200	0.499	5.00	10.00
			2086637	2786507	5309881			15.0	20.0	40.0		
Cyclohexane	DFB	Ave		22263	52451	453345	902914		0.200	0.499	5.00	10.00
			1469351	1923315	3438058			15.0	20.0	40.0		
1,1,1-Trichloroethane	DFB	Ave		34702	79404	694187	1387581		0.200	0.499	5.00	10.00
			2299185	3032003	5601171			15.0	20.0	40.0		
Carbon tetrachloride	DFB	Ave	7688	36346	84690	741752	1516732	0.0401	0.200	0.499	5.00	10.00
			2544730	3397109	6507101			15.0	20.0	40.0		
2,2,4-Trimethylpentane	DFB	Ave		57197	134899	1170360	2256830		0.200	0.499	5.00	10.00
			3674073	4780267	8692904			15.0	20.0	40.0		
Benzene	DFB	Ave		51207	117698	976766	1932969		0.200	0.499	5.00	10.00
			3184914	4236294	7941325			15.0	20.0	40.0		
1,2-Dichloroethane	DFB	Ave		16799	39188	332018	656142		0.200	0.499	5.00	10.00
			1086275	1464050	2860834			15.0	20.0	40.0		
n-Heptane	DFB	Ave		18279	41308	332828	622895		0.200	0.499	5.00	10.00
			1000301	1294563	2319165			15.0	20.0	40.0		
n-Butanol	DFB	Ave				123822	248283				5.00	10.00
			467587	565060	1057428			15.0	20.0	40.0		
Trichloroethene	DFB	Ave	5064	24102	54752	474548	950435	0.0401	0.200	0.499	5.00	10.00
			1568848	2077327	3845972			15.0	20.0	40.0		
1,2-Dichloropropane	DFB	Ave		15200	35366	291733	566681		0.200	0.499	5.00	10.00
			913733	1194267	2154445			15.0	20.0	40.0		
Methyl methacrylate	DFB	Ave			33960	315002	630238			0.499	5.00	10.00
			1033432	1357006	2492241			15.0	20.0	40.0		
1,4-Dioxane	DFB	Ave				169229	342447				5.00	10.00
			608623	777877	1377573			15.0	20.0	40.0		
Dibromomethane	DFB	Ave		25631	59019	524669	1066343		0.200	0.499	5.00	10.00
			1745664	2250293	3855401			15.0	20.0	40.0		
Bromodichloromethane	DFB	Ave		34739	79649	712958	1420398		0.200	0.499	5.00	10.00
			2349823	3129985	5874293			15.0	20.0	40.0		
cis-1,3-Dichloropropene	DFB	Ave		24251	57084	516162	1040993		0.200	0.499	5.00	10.00
			1740534	2329911	4438475			15.0	20.0	40.0		
methyl isobutyl ketone	DFB	Ave			47898	429924	834973			0.499	5.00	10.00
			1354524	1773942	3256051			15.0	20.0	40.0		
n-Octane	DFB	Ave		24552	56176	464584	860496		0.200	0.499	5.00	10.00
			1357409	1740122	3029042			15.0	20.0	40.0		
Toluene	CBZ	Ave		40930	95787	816354	1633881		0.200	0.499	5.00	10.00
			2674219	3499416	6361095			15.0	20.0	40.0		
trans-1,3-Dichloropropene	DFB	Ave		24509	57421	534250	1080930		0.200	0.499	5.00	10.00
			1798875	2436771	4648506			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBZ	Ave		18328	41944	361660	717177		0.200	0.499	5.00	10.00
			1176628	1554181	2845144			15.0	20.0	40.0		

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1 Analy Batch No.: 69511

SDG No.: _____

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 26820

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	7833 2616855	39642 3314444	91737 5532199	807492	1633959	0.0401 15.0	0.200 20.0	0.499 40.0	5.00	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	1316006	1737767	49225 3170989	417306	808379	15.0	20.0	0.499 40.0	5.00	10.00
Dibromochloromethane	CBZ	Ave	3017034	40982 3932354	97899 6932737	903205	1833432	15.0	0.200 20.0	0.499 40.0	5.00	10.00
1,2-Dibromoethane	CBZ	Ave	2592310	36645 3398396	86600 6070004	775530	1577770	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Chlorobenzene	CBZ	Ave	4023470	59607 5267778	141044 9431276	1215122	2449145	15.0	0.200 20.0	0.499 40.0	5.00	10.00
n-Nonane	CBZ	Ave	1561478	30365 1959601	70239 3209594	557391	1025407	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Ethylbenzene	CBZ	Ave	5191461	89374 6495489	205924 10312987	1750749	3343755	15.0	0.200 20.0	0.499 40.0	5.00	10.00
m,p-Xylene	CBZ	Ave	4644341	75656 5786128	179129 9266378	1548469	3000428	30.0	0.401 40.0	0.998 80.0	10.00	20.0
Xylene, o-	CBZ	Ave	2492466	37045 3167400	88465 5339938	777411	1549988	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Styrene	CBZ	Ave	3893795	53527 4953505	129371 8389157	1214818	2428442	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Bromoform	CBZ	Ave	2997727	40971 3697642	97515 5656651	954393	1916394	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Cumene	CBZ	Ave	7067549	104358 9064997	250560 15285968	2203399	4396476	15.0	0.200 20.0	0.499 40.0	5.00	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	3050605	48641 3947404	113755 6596922	978332	1916061	15.0	0.200 20.0	0.499 40.0	5.00	10.00
n-Propylbenzene	CBZ	Ave	7684271	120949 9745592	285137 15283787	2491172	4881105	15.0	0.200 20.0	0.499 40.0	5.00	10.00
1,2,3-Trichloropropane	CBZ	Ave	2038241	2588942	84639 4039768	698070	1317531	15.0	20.0	0.499 40.0	5.00	10.00
n-Decane	CBZ	Ave	2062173	90811 2490757	3988912	744811	1363532	15.0	20.0	0.499 40.0	5.00	10.00
4-Ethyltoluene	CBZ	Ave	7107273	107800 9046481	251275 14587801	2237468	4432110	15.0	0.200 20.0	0.499 40.0	5.00	10.00
2-Chlorotoluene	CBZ	Ave	5246023	85154 6698226	195591 10693128	1694435	3317018	15.0	0.200 20.0	0.499 40.0	5.00	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	5725056	98925 7183369	210455 11277858	1857598	3642511	15.0	0.200 20.0	0.499 40.0	5.00	10.00
Alpha Methyl Styrene	CBZ	Ave	3326924	41079 4047851	101344 7228062	1025925	2093076	15.0	0.200 20.0	0.499 40.0	5.00	10.00
tert-Butylbenzene	CBZ	Ave	5995016	88687 7624038	214734 12493741	1886002	3724879	15.0	0.200 20.0	0.499 40.0	5.00	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23091-1 Analy Batch No.: 69511

SDG No.: _____

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 26820

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave		98972	211879	1887274	3737027		0.200	0.499	5.00	10.00
			6036071	7580704	12699315			15.0	20.0	40.0		
sec-Butylbenzene	CBZ	Ave		133548	325491	2766537	5412056		0.200	0.499	5.00	10.00
			8626253	10661494	17513133			15.0	20.0	40.0		
4-Isopropyltoluene	CBZ	Ave		113149	269051	2391787	4735407		0.200	0.499	5.00	10.00
			7620158	9064508	15603740			15.0	20.0	40.0		
1,3-Dichlorobenzene	CBZ	Ave		64644	162406	1423576	2868077		0.200	0.499	5.00	10.00
			4629709	5773886	9392266			15.0	20.0	40.0		
1,4-Dichlorobenzene	CBZ	Ave		64551	157663	1423820	2872688		0.200	0.499	5.00	10.00
			4655273	5731284	9464364			15.0	20.0	40.0		
Benzyl chloride	CBZ	Ave		59765	156864	1598301	3284040		0.200	0.499	5.00	10.00
			5065652	6751126	12308288			15.0	20.0	40.0		
n-Undecane	CBZ	Ave				843164	1497753				5.00	10.00
			2439571	3015477	5248772			15.0	20.0	40.0		
n-Butylbenzene	CBZ	Ave		89107	222001	1966195	3847571		0.200	0.499	5.00	10.00
			6199465	7247969	13108720			15.0	20.0	40.0		
1,2-Dichlorobenzene	CBZ	Ave		61816	152286	1363193	2735633		0.200	0.499	5.00	10.00
			4456201	5396501	9303927			15.0	20.0	40.0		
n-Dodecane	CBZ	Ave				587452	1315124				5.00	10.00
			2318147	2863895	4647868			15.0	20.0	40.0		
1,2,4-Trichlorobenzene	CBZ	Ave			83237	929365	1935193			0.499	5.00	10.00
			3362637	4541232	7814515			15.0	20.0	40.0		
Hexachlorobutadiene	CBZ	Ave		38842	94901	769824	1493683		0.200	0.499	5.00	10.00
			2308722	2907662	4206355			15.0	20.0	40.0		
Naphthalene	CBZ	Ave			174415	2223399	4638967			0.499	5.00	10.00
			8120457	10653795	19916995			15.0	20.0	40.0		
1,2,3-Trichlorobenzene	CBZ	Ave		18691	71612	780543	1800836		0.200	0.499	5.00	10.00
			3203028	4293018	7538008			15.0	20.0	40.0		

Curve Type Legend:

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
 SDG No.: _____
 Lab Sample ID: ICV 200-69511/13 Calibration Date: 03/14/2014 20:54
 Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/14/2014 18:16
 Lab File ID: 6557_013.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	0.1744	0.1689		9.69	10.0	-3.1	30.0
Dichlorodifluoromethane	Ave	1.461	1.279		8.75	10.0	-12.5	30.0
Freon 22	Ave	0.5426	0.4978		9.17	10.0	-8.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.404	1.345		9.58	10.0	-4.1	30.0
Chloromethane	Ave	0.2706	0.2466		9.11	10.0	-8.9	30.0
n-Butane	Ave	0.4506	0.4212		9.34	10.0	-6.5	30.0
Vinyl chloride	Ave	0.4617	0.4030		8.73	10.0	-12.7	30.0
1,3-Butadiene	Ave	0.3096	0.2794		9.02	10.0	-9.8	30.0
Bromomethane	Ave	0.8962	0.7559		8.43	10.0	-15.7	30.0
Chloroethane	Ave	0.3514	0.3075		8.75	10.0	-12.5	30.0
Isopentane	Ave	0.5172	0.4479		8.66	10.0	-13.4	30.0
Bromoethene (Vinyl Bromide)	Ave	1.029	0.8848		8.60	10.0	-14.0	30.0
Trichlorofluoromethane	Ave	2.552	2.176		8.53	10.0	-14.7	30.0
n-Pentane	Ave	0.9044	0.8825		9.76	10.0	-2.4	30.0
Ethanol	Ave	0.2261	0.1994		13.2	15.0	-11.8	30.0
Ethyl ether	Ave	0.5351	0.5438		10.2	10.0	1.6	30.0
Acrolein	Ave	0.2205	0.2504		11.4	10.0	13.6	30.0
Freon TF	Ave	2.228	2.041		9.16	10.0	-8.4	30.0
1,1-Dichloroethene	Ave	1.094	1.011		9.24	10.0	-7.6	30.0
Acetone	Ave	0.8103	0.7894		9.74	10.0	-2.6	30.0
Isopropyl alcohol	Ave	0.7237	0.6152		8.50	10.0	-15.0	30.0
Carbon disulfide	Ave	2.453	2.593		10.6	10.0	5.7	30.0
3-Chloropropene	Ave	0.7235	0.5910		8.17	10.0	-18.3	30.0
Acetonitrile	Ave	0.3573	0.3550		9.93	10.0	-0.7	30.0
Methylene Chloride	Ave	0.6697	0.5862		8.75	10.0	-12.5	30.0
tert-Butyl alcohol	Ave	1.366	1.236		9.05	10.0	-9.5	30.0
Methyl tert-butyl ether	Ave	2.687	2.536		9.44	10.0	-5.6	30.0
trans-1,2-Dichloroethene	Ave	1.095	1.049		9.58	10.0	-4.2	30.0
Acrylonitrile	Ave	0.4836	0.4667		9.65	10.0	-3.5	30.0
n-Hexane	Ave	1.135	1.098		9.67	10.0	-3.3	30.0
1,1-Dichloroethane	Ave	1.514	1.332		8.80	10.0	-12.0	30.0
Vinyl acetate	Ave	1.362	1.294		9.50	10.0	-5.0	30.0
cis-1,2-Dichloroethene	Ave	1.213	1.115		9.19	10.0	-8.1	30.0
Ethyl acetate	Ave	0.0884	0.0977		11.0	10.0	10.5	30.0
Methyl Ethyl Ketone	Ave	0.4986	0.4376		8.78	10.0	-12.2	30.0
Tetrahydrofuran	Ave	0.1091	0.1069		9.80	10.0	-2.0	30.0
Chloroform	Ave	2.101	1.932		9.19	10.0	-8.1	30.0
Cyclohexane	Ave	0.2943	0.2818		9.57	10.0	-4.3	30.0
1,1,1-Trichloroethane	Ave	0.4579	0.4252		9.28	10.0	-7.2	30.0
Carbon tetrachloride	Ave	0.5138	0.4633		9.02	10.0	-9.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23091-1

SDG No.: _____

Lab Sample ID: ICV 200-69511/13 Calibration Date: 03/14/2014 20:54

Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/14/2014 18:16

Lab File ID: 6557_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7465	0.6797		9.10	10.0	-9.0	30.0
Benzene	Ave	0.6531	0.5963		9.13	10.0	-8.7	30.0
1,2-Dichloroethane	Ave	0.2220	0.2030		9.14	10.0	-8.6	30.0
n-Heptane	Ave	0.2148	0.1858		8.65	10.0	-13.5	30.0
n-Butanol	Ave	0.0798	0.0756		9.47	10.0	-5.3	30.0
Trichloroethene	Ave	0.3256	0.2936		9.01	10.0	-9.9	30.0
1,2-Dichloropropane	Ave	0.1899	0.1693		8.91	10.0	-10.9	30.0
Methyl methacrylate	Ave	0.1967	0.1967		10.0	10.0	-0.0	30.0
1,4-Dioxane	Ave	0.1073	0.0999		9.31	10.0	-6.9	30.0
Dibromomethane	Ave	0.3402	0.3116		9.16	10.0	-8.4	30.0
Bromodichloromethane	Ave	0.4675	0.4270		9.13	10.0	-8.7	30.0
cis-1,3-Dichloropropene	Ave	0.3407	0.3234		9.49	10.0	-5.1	30.0
methyl isobutyl ketone	Ave	0.2635	0.2425		9.20	10.0	-8.0	30.0
n-Octane	Ave	0.2913	0.2555		8.77	10.0	-12.3	30.0
Toluene	Ave	0.6194	0.5824		9.40	10.0	-6.0	30.0
trans-1,3-Dichloropropene	Ave	0.3508	0.3327		9.48	10.0	-5.2	30.0
1,1,2-Trichloroethane	Ave	0.2742	0.2551		9.30	10.0	-7.0	30.0
Tetrachloroethene	Ave	0.6110	0.5573		9.12	10.0	-8.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2989	0.2754		9.21	10.0	-7.8	30.0
Dibromochloromethane	Ave	0.6685	0.6141		9.18	10.0	-8.1	30.0
1,2-Dibromoethane	Ave	0.5827	0.5540		9.51	10.0	-4.9	30.0
Chlorobenzene	Ave	0.9199	0.8582		9.33	10.0	-6.7	30.0
n-Nonane	Ave	0.3981	0.3537		8.88	10.0	-11.2	30.0
Ethylbenzene	Ave	1.245	1.159		9.31	10.0	-6.9	30.0
m,p-Xylene	Ave	0.5476	0.5133		18.7	20.0	-6.3	30.0
Xylene, o-	Ave	0.5674	0.5291		9.32	10.0	-6.7	30.0
Styrene	Ave	0.8664	0.8276		9.55	10.0	-4.5	30.0
Bromoform	Ave	0.6562	0.6113		9.31	10.0	-6.8	30.0
Cumene	Ave	1.610	1.497		9.30	10.0	-7.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7152	0.6624		9.26	10.0	-7.4	30.0
n-Propylbenzene	Ave	1.781	1.657		9.30	10.0	-7.0	30.0
1,2,3-Trichloropropane	Ave	0.4687	0.4462		9.52	10.0	-4.8	30.0
n-Decane	Ave	0.4821	0.4674		9.69	10.0	-3.1	30.0
4-Ethyltoluene	Ave	1.618	1.544		9.54	10.0	-4.6	30.0
2-Chlorotoluene	Ave	1.226	1.123		9.15	10.0	-8.4	30.0
1,3,5-Trimethylbenzene	Ave	1.345	1.234		9.17	10.0	-8.3	30.0
Alpha Methyl Styrene	Ave	0.7139	0.7155		10.0	10.0	0.2	30.0
tert-Butylbenzene	Ave	1.363	1.262		9.25	10.0	-7.5	30.0
1,2,4-Trimethylbenzene	Ave	1.391	1.267		9.11	10.0	-8.9	30.0
sec-Butylbenzene	Ave	1.990	1.837		9.23	10.0	-7.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
 SDG No.: _____
 Lab Sample ID: ICV 200-69511/13 Calibration Date: 03/14/2014 20:54
 Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/14/2014 18:16
 Lab File ID: 6557_013.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	1.711	1.598		9.34	10.0	-6.6	30.0
1,3-Dichlorobenzene	Ave	1.029	0.9614		9.34	10.0	-6.6	30.0
1,4-Dichlorobenzene	Ave	1.025	0.9608		9.37	10.0	-6.2	30.0
Benzyl chloride	Ave	1.120	1.023		9.13	10.0	-8.6	30.0
n-Undecane	Ave	0.5203	0.5218		10.0	10.0	0.3	30.0
n-Butylbenzene	Ave	1.391	1.297		9.32	10.0	-6.8	30.0
1,2-Dichlorobenzene	Ave	0.9826	0.9137		9.30	10.0	-7.0	30.0
n-Dodecane	Ave	0.4505	0.3911		8.68	10.0	-13.2	30.0
1,2,4-Trichlorobenzene	Ave	0.6853	0.5823		8.50	10.0	-15.0	30.0
Hexachlorobutadiene	Ave	0.5502	0.4604		8.37	10.0	-16.3	30.0
Naphthalene	Ave	1.623	1.262		7.78	10.0	-22.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5884	0.5106		8.68	10.0	-13.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-74630/2 Calibration Date: 07/08/2014 09:06
 Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/14/2014 18:16
 Lab File ID: 8449_002.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	0.1744	0.2476		14.2	10.0	42.0*	30.0
Dichlorodifluoromethane	Ave	1.461	1.952		13.4	10.0	33.6*	30.0
Freon 22	Ave	0.5426	0.7654		14.1	10.0	41.1*	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.404	1.630		11.6	10.0	16.2	30.0
Chloromethane	Ave	0.2706	0.3501		12.9	10.0	29.4	30.0
n-Butane	Ave	0.4506	0.5774		12.8	10.0	28.1	30.0
Vinyl chloride	Ave	0.4617	0.5432		11.8	10.0	17.6	30.0
1,3-Butadiene	Ave	0.3096	0.3618		11.7	10.0	16.9	30.0
Bromomethane	Ave	0.8962	0.8027		8.95	10.0	-10.4	30.0
Chloroethane	Ave	0.3514	0.3297		9.38	10.0	-6.2	30.0
Isopentane	Ave	0.5172	0.4680		9.05	10.0	-9.5	30.0
Bromoethene (Vinyl Bromide)	Ave	1.029	0.9049		8.80	10.0	-12.0	30.0
Trichlorofluoromethane	Ave	2.552	2.827		11.1	10.0	10.8	30.0
n-Pentane	Ave	0.9044	0.7710		8.52	10.0	-14.8	30.0
Ethanol	Ave	0.2261	0.1937		12.9	15.0	-14.3	30.0
Ethyl ether	Ave	0.5351	0.4714		8.81	10.0	-11.9	30.0
Acrolein	Ave	0.2205	0.1991		9.03	10.0	-9.7	30.0
Freon TF	Ave	2.228	2.068		9.28	10.0	-7.2	30.0
1,1-Dichloroethene	Ave	1.094	0.9574		8.75	10.0	-12.5	30.0
Acetone	Ave	0.8103	0.8867		10.9	10.0	9.4	30.0
Isopropyl alcohol	Ave	0.7237	0.7016		9.69	10.0	-3.1	30.0
Carbon disulfide	Ave	2.453	2.212		9.02	10.0	-9.8	30.0
3-Chloropropene	Ave	0.7235	0.6687		9.24	10.0	-7.6	30.0
Acetonitrile	Ave	0.3573	0.3379		9.45	10.0	-5.4	30.0
Methylene Chloride	Ave	0.6697	0.6640		9.91	10.0	-0.8	30.0
tert-Butyl alcohol	Ave	1.366	1.367		10.0	10.0	0.0	30.0
Methyl tert-butyl ether	Ave	2.687	2.605		9.69	10.0	-3.0	30.0
trans-1,2-Dichloroethene	Ave	1.095	1.116		10.2	10.0	1.9	30.0
Acrylonitrile	Ave	0.4836	0.4418		9.13	10.0	-8.6	30.0
n-Hexane	Ave	1.135	1.033		9.10	10.0	-8.9	30.0
1,1-Dichloroethane	Ave	1.514	1.464		9.67	10.0	-3.3	30.0
Vinyl acetate	Ave	1.362	1.448		10.6	10.0	6.4	30.0
Ethyl acetate	Ave	0.0884	0.0818		9.25	10.0	-7.5	30.0
cis-1,2-Dichloroethene	Ave	1.213	1.094		9.01	10.0	-9.8	30.0
Methyl Ethyl Ketone	Ave	0.4986	0.4181		8.38	10.0	-16.2	30.0
Tetrahydrofuran	Ave	0.1091	0.1221		11.2	10.0	12.0	30.0
Chloroform	Ave	2.101	2.160		10.3	10.0	2.8	30.0
Cyclohexane	Ave	0.2943	0.2817		9.57	10.0	-4.3	30.0
1,1,1-Trichloroethane	Ave	0.4579	0.5271		11.5	10.0	15.1	30.0
Carbon tetrachloride	Ave	0.5138	0.5816		11.3	10.0	13.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-74630/2 Calibration Date: 07/08/2014 09:06
 Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/14/2014 18:16
 Lab File ID: 8449_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7465	0.7416		9.93	10.0	-0.7	30.0
Benzene	Ave	0.6531	0.6062		9.28	10.0	-7.2	30.0
1,2-Dichloroethane	Ave	0.2220	0.2756		12.4	10.0	24.1	30.0
n-Heptane	Ave	0.2148	0.2233		10.4	10.0	4.0	30.0
n-Butanol	Ave	0.0798	0.0769		9.64	10.0	-3.6	30.0
Trichloroethene	Ave	0.3256	0.3147		9.66	10.0	-3.4	30.0
1,2-Dichloropropane	Ave	0.1899	0.1930		10.2	10.0	1.6	30.0
Methyl methacrylate	Ave	0.1967	0.2035		10.3	10.0	3.4	30.0
1,4-Dioxane	Ave	0.1073	0.0983		9.16	10.0	-8.4	30.0
Dibromomethane	Ave	0.3402	0.3088		9.08	10.0	-9.2	30.0
Bromodichloromethane	Ave	0.4675	0.5180		11.1	10.0	10.8	30.0
cis-1,3-Dichloropropene	Ave	0.3407	0.3531		10.4	10.0	3.6	30.0
methyl isobutyl ketone	Ave	0.2635	0.3015		11.4	10.0	14.4	30.0
n-Octane	Ave	0.2913	0.3233		11.1	10.0	11.0	30.0
Toluene	Ave	0.6194	0.5874		9.48	10.0	-5.2	30.0
trans-1,3-Dichloropropene	Ave	0.3508	0.3935		11.2	10.0	12.2	30.0
1,1,2-Trichloroethane	Ave	0.2742	0.2639		9.62	10.0	-3.7	30.0
Tetrachloroethene	Ave	0.6110	0.5344		8.74	10.0	-12.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2989	0.3339		11.2	10.0	11.7	30.0
Dibromochloromethane	Ave	0.6685	0.7108		10.6	10.0	6.3	30.0
1,2-Dibromoethane	Ave	0.5827	0.5694		9.77	10.0	-2.3	30.0
Chlorobenzene	Ave	0.9199	0.8867		9.64	10.0	-3.6	30.0
Ethylbenzene	Ave	1.245	1.310		10.5	10.0	5.2	30.0
n-Nonane	Ave	0.3981	0.4284		10.8	10.0	7.6	30.0
m,p-Xylene	Ave	0.5476	0.5603		20.5	20.0	2.3	30.0
Xylene, o-	Ave	0.5674	0.5582		9.84	10.0	-1.6	30.0
Styrene	Ave	0.8664	0.8725		10.1	10.0	0.7	30.0
Bromoform	Ave	0.6562	0.6588		10.0	10.0	0.4	30.0
Cumene	Ave	1.610	1.673		10.4	10.0	3.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7152	0.7125		9.96	10.0	-0.4	30.0
n-Propylbenzene	Ave	1.781	1.881		10.6	10.0	5.6	30.0
1,2,3-Trichloropropane	Ave	0.4687	0.5613		12.0	10.0	19.8	30.0
n-Decane	Ave	0.4821	0.5791		12.0	10.0	20.1	30.0
4-Ethyltoluene	Ave	1.618	1.699		10.5	10.0	5.0	30.0
2-Chlorotoluene	Ave	1.226	1.336		10.9	10.0	8.9	30.0
1,3,5-Trimethylbenzene	Ave	1.345	1.431		10.6	10.0	6.4	30.0
Alpha Methyl Styrene	Ave	0.7139	0.7420		10.4	10.0	3.9	30.0
tert-Butylbenzene	Ave	1.363	1.429		10.5	10.0	4.9	30.0
1,2,4-Trimethylbenzene	Ave	1.391	1.462		10.5	10.0	5.1	30.0
sec-Butylbenzene	Ave	1.990	2.083		10.5	10.0	4.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23091-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-74630/2 Calibration Date: 07/08/2014 09:06
 Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/14/2014 18:16
 Lab File ID: 8449_002.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	1.711	1.817		10.6	10.0	6.2	30.0
1,3-Dichlorobenzene	Ave	1.029	1.015		9.86	10.0	-1.4	30.0
1,4-Dichlorobenzene	Ave	1.025	1.010		9.86	10.0	-1.4	30.0
Benzyl chloride	Ave	1.120	1.233		11.0	10.0	10.1	30.0
n-Undecane	Ave	0.5203	0.6590		12.7	10.0	26.7	30.0
n-Butylbenzene	Ave	1.391	1.560		11.2	10.0	12.1	30.0
1,2-Dichlorobenzene	Ave	0.9826	0.9635		9.80	10.0	-1.9	30.0
n-Dodecane	Ave	0.4505	0.3934		8.73	10.0	-12.7	30.0
1,2,4-Trichlorobenzene	Ave	0.6853	0.5513		8.04	10.0	-19.5	30.0
Hexachlorobutadiene	Ave	0.5502	0.4574		8.31	10.0	-16.9	30.0
Naphthalene	Ave	1.623	1.374		8.47	10.0	-15.3	30.0
1,2,3-Trichlorobenzene	Ave	0.5884	0.4704		7.99	10.0	-20.1	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-23091-1

SDG No.: _____

Instrument ID: CHB.iStart Date: 03/14/2014 10:21Analysis Batch Number: 69511End Date: 03/15/2014 04:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-69511/1		03/14/2014 10:21	1	6557_001.D	RTX-624 0.32 (mm)
VIBLK 200-69511/2		03/14/2014 11:18	1		RTX-624 0.32 (mm)
IC 200-69511/3		03/14/2014 12:11	1	6557_003.D	RTX-624 0.32 (mm)
IC 200-69511/4		03/14/2014 13:03	1	6557_004.D	RTX-624 0.32 (mm)
IC 200-69511/5		03/14/2014 13:55	1	6557_005.D	RTX-624 0.32 (mm)
IC 200-69511/6		03/14/2014 14:47	1	6557_006.D	RTX-624 0.32 (mm)
ICIS 200-69511/7		03/14/2014 15:39	1	6557_007.D	RTX-624 0.32 (mm)
IC 200-69511/8		03/14/2014 16:31	1	6557_008.D	RTX-624 0.32 (mm)
IC 200-69511/9		03/14/2014 17:24	1	6557_009.D	RTX-624 0.32 (mm)
IC 200-69511/10		03/14/2014 18:16	1	6557_010.D	RTX-624 0.32 (mm)
VIBLK 200-69511/11		03/14/2014 19:08	1		RTX-624 0.32 (mm)
VIBLK 200-69511/12		03/14/2014 20:01	1		RTX-624 0.32 (mm)
ICV 200-69511/13		03/14/2014 20:54	1	6557_013.D	RTX-624 0.32 (mm)
VIBLK 200-69511/14		03/14/2014 21:46	1		RTX-624 0.32 (mm)
ZZZZZ		03/14/2014 22:39	1		RTX-624 0.32 (mm)
ZZZZZ		03/14/2014 23:31	1		RTX-624 0.32 (mm)
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ZZZZZ		03/15/2014 01:29	0.2		RTX-624 0.32 (mm)
ZZZZZ		03/15/2014 02:28	0.2		RTX-624 0.32 (mm)
ZZZZZ		03/15/2014 03:27	0.2		RTX-624 0.32 (mm)
ZZZZZ		03/15/2014 04:26	0.2		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-23091-1

SDG No.: _____

Instrument ID: CHB.iStart Date: 07/08/2014 08:17Analysis Batch Number: 74630End Date: 07/09/2014 07:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74630/1		07/08/2014 08:17	1	8449_001.D	RTX-624 0.32 (mm)
CCVIS 200-74630/2		07/08/2014 09:06	1	8449_002.D	RTX-624 0.32 (mm)
LCS 200-74630/3		07/08/2014 09:59	1	8449_003.D	RTX-624 0.32 (mm)
MB 200-74630/4		07/08/2014 10:51	1	8449_004.D	RTX-624 0.32 (mm)
ZZZZZ		07/08/2014 11:44	10		RTX-624 0.32 (mm)
ZZZZZ		07/08/2014 12:36	10		RTX-624 0.32 (mm)
ZZZZZ		07/08/2014 13:29	10		RTX-624 0.32 (mm)
ZZZZZ		07/08/2014 14:22	249		RTX-624 0.32 (mm)
ZZZZZ		07/08/2014 15:14	219		RTX-624 0.32 (mm)
ZZZZZ		07/08/2014 16:13	0.2		RTX-624 0.32 (mm)
ZZZZZ		07/08/2014 17:03	1		RTX-624 0.32 (mm)
ZZZZZ		07/08/2014 17:56	1		RTX-624 0.32 (mm)
ZZZZZ		07/08/2014 18:48	1		RTX-624 0.32 (mm)
ZZZZZ		07/08/2014 19:41	1		RTX-624 0.32 (mm)
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ZZZZZ		07/08/2014 21:26	1		RTX-624 0.32 (mm)
ZZZZZ		07/08/2014 22:19	1		RTX-624 0.32 (mm)
ZZZZZ		07/08/2014 23:11	1		RTX-624 0.32 (mm)
ZZZZZ		07/09/2014 00:04	1		RTX-624 0.32 (mm)
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200-23091-7	3668	07/09/2014 07:11	0.2	8449_027.D	RTX-624 0.32 (mm)

Subcontract Data

Shipping and Receiving Documents

Suite 11

South Burlington, VT 05403

phone 802-660-1990 fax 802-660-1919

Canister Samples (

TestAmerica Analytical Testing Corp. assumes n



480-64051 Chain of Custody

[illegible]

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-64051-1

Login Number: 64051

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

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	

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-64051-1

Login Number: 64051
List Number: 2
Creator: Gagne, Eric M

List Source: TestAmerica Burlington
List Creation: 07/18/14 03:57 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	267119 & 120
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	AMBIENT.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
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	

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.

[illegible]

Lab Use Only

Opened by:

Condition:

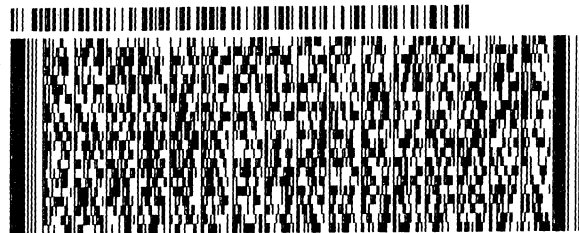
ORIGIN ID:DKKA (716) 504-9848
KEN KINECKI
TESTAMERICA LABS
10 HAZELWOOD DRIVE

AMHERST, NY 14228
UNITED STATES US

SHIP DATE: 17JUL14
ACTWGT: 13.7 LB
CAD: 846654/CAFE2704

BILL RECIPIENT

TO **MARK PHILLIPS**
TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990 REF: BURLINGTON
DEPT: SAMPLE CONTROL



FedEx
Express



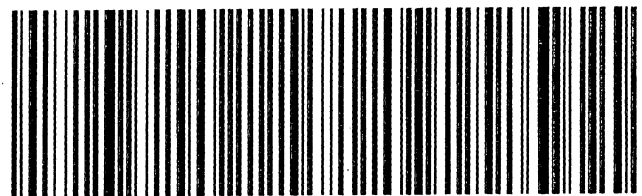
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TRK# 5657 0116 4077
0201

FRI - 18 JUL AA
STANDARD OVERNIGHT

EK BTVA

05403
VT-US BTV





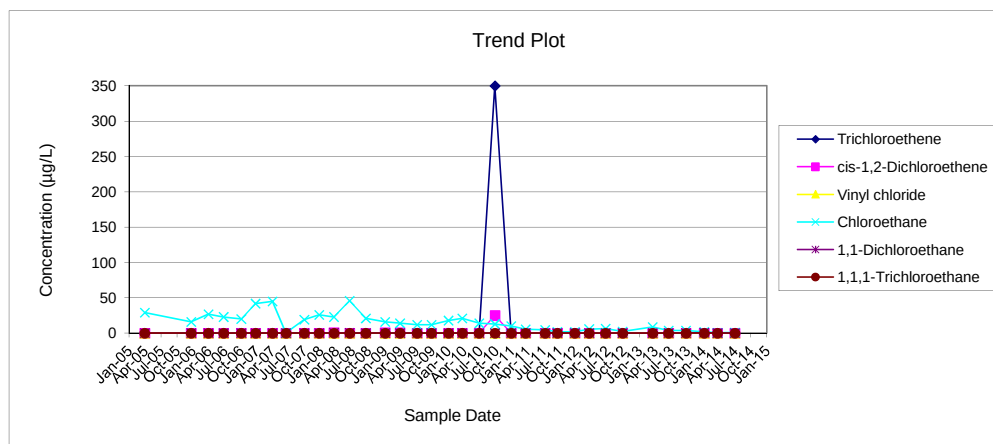
APPENDIX D

Historical and Current Summary of VOCs in Groundwater

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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	29	< 10	<10
1/5/2006	< 25	< 25	< 25	16	< 25	< 25
4/14/2006	< 25	< 25	< 25	27	< 25	< 25
7/10/2006	< 25	< 25	< 25	23	< 25	< 25
10/19/2006	< 5	< 5	< 5	20	< 5	< 5
1/9/2007	< 5	< 5	< 5	42	< 5	< 5
4/16/2007	< 20	< 20	< 20	45	< 20	< 20
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/15/2007	< 5	< 5	< 5	19	< 5	< 5
1/8/2008	< 5	< 5	< 5	26	< 5	< 5
4/2/2008	< 5	0.48	< 5	23	1	< 5
7/1/2008	< 5	< 5	< 5	46	0.65	< 5
10/1/2008	< 5	< 5	< 5	21	< 5	< 5
1/20/2009	< 5	0	< 5	16	< 5	< 5
4/15/2009	< 5	0	< 5	14	< 5	< 5
7/22/2009	< 5	< 5	< 5	12	< 5	< 5
10/12/2009	< 5	< 5	< 5	12	< 5	< 5
1/18/2010	< 25	< 25	< 25	18	< 25	< 25
4/7/2010	< 25	< 25	< 25	21	< 25	< 25
7/12/2010	< 25	< 25	< 25	14	< 25	< 25
10/11/2010	350	25	< 25	13	< 25	< 25
1/12/2011	<1	<1	<1	10	<1	<1
4/4/2011	<1	<1	<1	5.4	<1	<1
7/25/2011	<1	<1	<1	4.5	<1	<1
10/3/2011	<1	<1	<1	2.1	<1	<1
1/11/2012	<1	<1	<1	2	<1	<1
4/2/2012	<1	<1	<1	5.8	<1	<1
7/5/2012	<1	<1	<1	6.3	<1	<1
10/11/2012	<1	<1	<1	2.4	<1	<1
4/1/2013	<1	<1	<1	8.8	<1	<1
7/1/2013	<1	<1	<1	3.6	<1	<1
10/9/2013	<1	<1	<1	3.9	<1	<1
1/21/2014	<1	<1	<1	1.9	0.67	<1
4/7/2014	<1	<1	<1	0.68	<1	<1
7/16/2014	<1	<1	<1	0.94	<1	<1

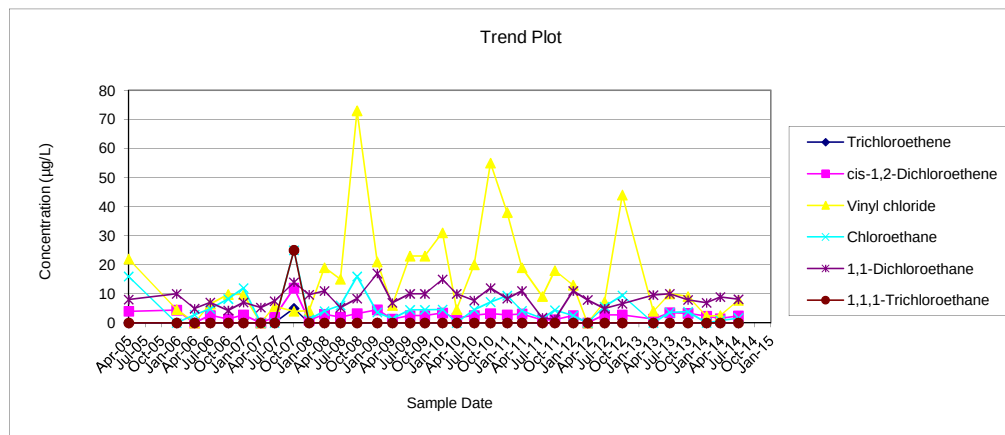
MONITORING WELL MW-2
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	4	22	16	8	<10
1/5/2006	< 25	4.4	4.6	< 25	10	< 25
4/14/2006	< 25	< 25	< 25	2.8	4.9	< 25
7/10/2006	< 25	2.6	6.5	4.8	7	< 25
10/18/2006	< 5	1.3	9.8	8.2	4.3	< 5
1/10/2007	< 5	2.8	9.8	12	7	< 5
4/16/2007	< 20	< 20	< 20	< 20	5.3	< 20
7/2/2007	< 5	2	5.7	< 5	7.5	< 5
10/17/2007	5	12	4	25	14	25
1/9/2008	< 5	0.9	4.2	1.2	9.7	<5
4/3/2008	<5	3	19	4.1	11	<5
7/1/2008	<5	2	15	6	5.3	<5
10/1/2008	<5	3.2	73	16	8.4	<5
1/21/2009	<5	4.5	21	3.6	17	<5
4/15/2009	<5	1.3	6	1.4	6.9	<5
7/22/2009	<5	2.5	23	4.5	10	<5
10/12/2009	<5	2.5	23	4.5	10	<5
1/18/2010	<5	3.4	31	4.6	15	<5
4/7/2010	<5	1.7	4.6	<5	10	<5
7/13/2010	<5	2.6	20	4.5	7.7	<5
10/11/2010	<5	3.2	55	7.2	12	<5
1/12/2011	<1	2.8	38	9.4	8.4	<1
4/4/2011	<1	3.1	19	4.2	11	<1
7/26/2011	<1	0.98	9.1	1.5	1.8	<1
10/3/2011	<1	1.1	18	4.4	1.2	<1
1/13/2012	<1	2.5	13	2.5	11	<1
4/2/2012	<1	<1	<1	<1	7.9	<1
7/5/2012	<1	2.7	7.2	5.6	4.9	<1
10/11/2012	<1	2.8	44	9.5	6.6	<1
4/1/2013	<1	1.3	4	<1	9.6	<1
7/1/2013	<1	3.5	10	3.6	10	<1
10/10/2013	<1	3.3	9.1	3.8	7.9	<1
1/21/2014	<1	2.3	2.3	<1	6.9	<1
4/7/2014	<1	1.5	2.5	0.82	8.9	<1
7/17/2014	<1	2.4	7.8	1.7	8.1	<1

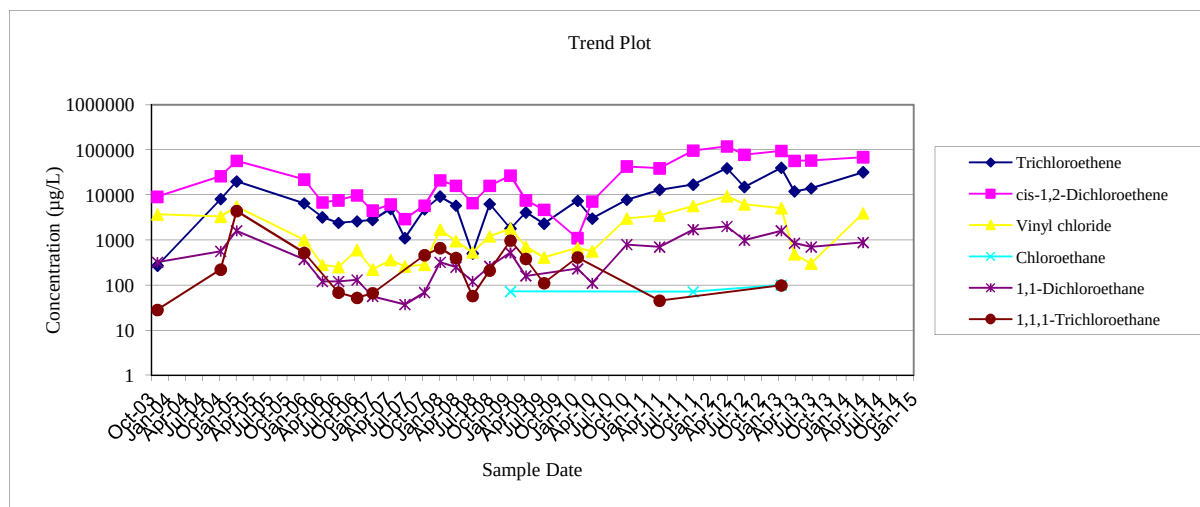
MONITORING WELL MW-3
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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
1/21/2013	40,000	95,000	5,100	100	1600	98
4/2/2013	12,000	57,000	480	<40	850	<40
7/1/2013	14,000	58,000	300	<100	700	<100
4/7/2014	32,000	69,000	3,900	<1000	880	<1000

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

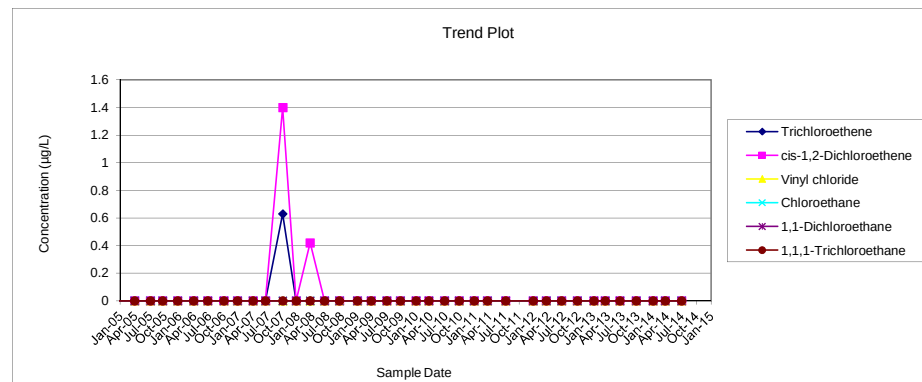


Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	< 10	< 10	< 10	< 10	< 10	< 6
10/12/2004	< 10	< 10	< 10	< 10	< 10	< 10
1/6/2005	< 10	< 10	< 10	< 10	< 10	< 10
4/14/2005	< 10	< 10	< 10	< 10	< 10	< 10
7/21/2005	< 5	< 5	< 5	< 5	< 5	< 5
10/4/2005	< 5	< 5	< 5	< 5	< 5	< 5
1/5/2006	< 5	< 5	< 5	< 5	< 5	< 5
4/14/2006	< 5	< 5	< 5	< 5	< 5	< 5
7/10/2006	< 5	< 5	< 5	< 5	< 5	< 5
10/18/2006	< 5	< 5	< 5	< 5	< 5	< 5
1/10/2007	< 5	< 5	< 5	< 5	< 5	< 5
4/16/2007	< 5	< 5	< 5	< 5	< 5	< 5
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/17/2007	0.63	1.4	< 5	< 5	< 5	< 5
1/8/2008	<5	<5	<5	<5	<5	<5
4/3/2008	<5	0.42	<5	<5	<5	<5
7/1/2008	<5	<5	<5	<5	<5	<5
10/1/2008	<5	<5	<5	<5	<5	<5
1/20/2009	<5	<5	<5	<5	<5	<5
4/15/2009	<5	<5	<5	<5	<5	<5
7/21/2009	<5	<5	<5	<5	<5	<5
10/13/2009	<5	<5	<5	<5	<5	<5
1/18/2010	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
7/13/2010	<5	<5	<5	<5	<5	<5
10/11/2010	<5	<5	<5	<5	<5	<5
1/12/2011	<1	<1	<1	<1	<1	<1
4/4/2011	<1	<1	<1	<1	<1	<1
7/26/2011	<1	<1	<1	<1	<1	<1
1/12/2012	<1	<1	<1	<1	<1	<1
4/2/2012	<1	<1	<1	<1	<1	<1
7/5/2012	<1	<1	<1	<1	<1	<1
10/11/2012	<1	<1	<1	<1	<1	<1
1/21/2013	<1	<1	<1	<1	<1	<1
4/1/2013	<1	<1	<1	<1	<1	<1
7/1/2013	<1	<1	<1	<1	<1	<1
10/10/2013	<1	<1	<1	<1	<1	<1
1/22/2014	<1	<1	<1	<1	<1	<1
4/7/2014	<1	<1	<1	<1	<1	<1
7/17/2014	<1	<1	<1	<1	<1	<1

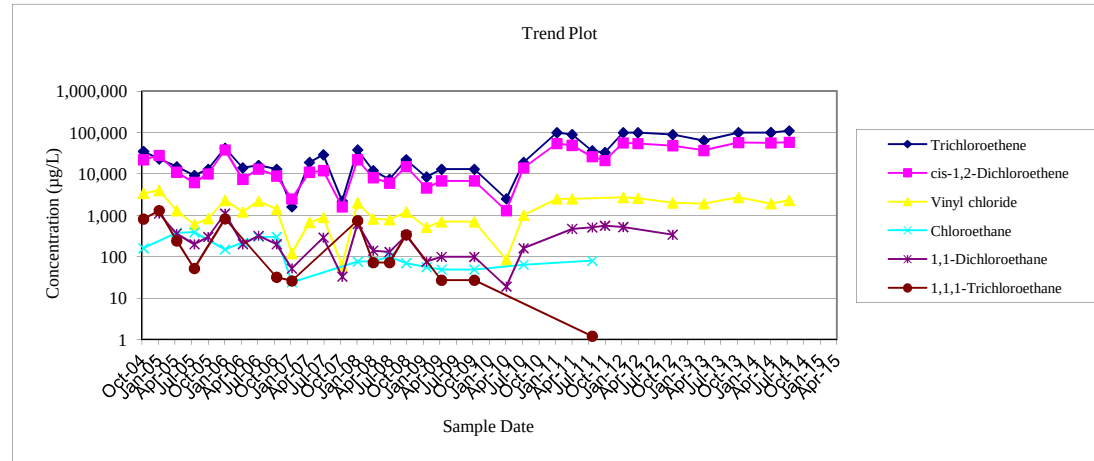
MONITORING WELL MW-6
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
10/13/2004	35,000	22,000	3,400	160	< 5,000	810
1/7/2005	23,000	28,000	4,000	< 2,000	1,100	1,300
4/14/2005	15,000	11,000	1,300	380	360	240
7/21/2005	9,200	6,200	600	390	200	52
10/5/2005	13,000	10,000	830	< 1,000	300	<1,000
1/6/2006	42,000	38,000	2,300	150	1100	820
4/14/2006	14,000	7,400	1,200	220	200	< 1,000
7/10/2006	16,000	13,000	2,200	300	320	< 1,000
10/18/2006	13,000	8,900	1,400	300	200	32
1/10/2007	1,600	2,500	120	24	52	26
4/17/2007	19,000	11,000	670	< 1,000	< 1,000	< 1,000
7/3/2007	29,000	12,000	890	< 1,000	290	< 1,000
10/15/2007	2,200	1,600	60	< 200	33	< 200
1/8/2008	38,000	22,000	2,000	76	620	740
4/3/2008	12,000	8,100	820	77	140	72
7/2/2008	7,400	6,000	790	100	130	72
10/2/2008	22,000	15,000	1,200	70	320	340
1/22/2009	8,400	4,600	510	56	76	<100
4/15/2009	13,000	6,800	700	49	99	27
10/13/2009	13,000	6,800	700	49	99	27
4/8/2010	2,500	1,300	84	<100	19	<100
7/12/2010	19,000	14,000	1,000	64	160	<100
1/12/2011	99,000	54,000	2,500	<2000	<2000	<2000
4/6/2011	89,000	49,000	2,500	<800	470	<800
7/26/2011	36,000	26,000	<800	80	510	1.2
10/4/2011	33,000	21,000	<400	<400	560	<400
1/13/2012	99,000	56,000	2,700	<800	520	<800
4/3/2012	99,000	54,000	2,600	<2000	<2000	<2000
10/12/2012	89,000	48,000	2,000	<800	340	<800
4/2/2013	64,000	37,000	1,900	<1000	<1000	<1000
10/10/2013	100,000	57,000	2,700	<1000	<1000	<1000
4/7/2014	100,000	56,000	1,900	<1000	<1000	<1000
7/17/2014	110,000	58,000	2,300	<1000	<1000	<1000

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

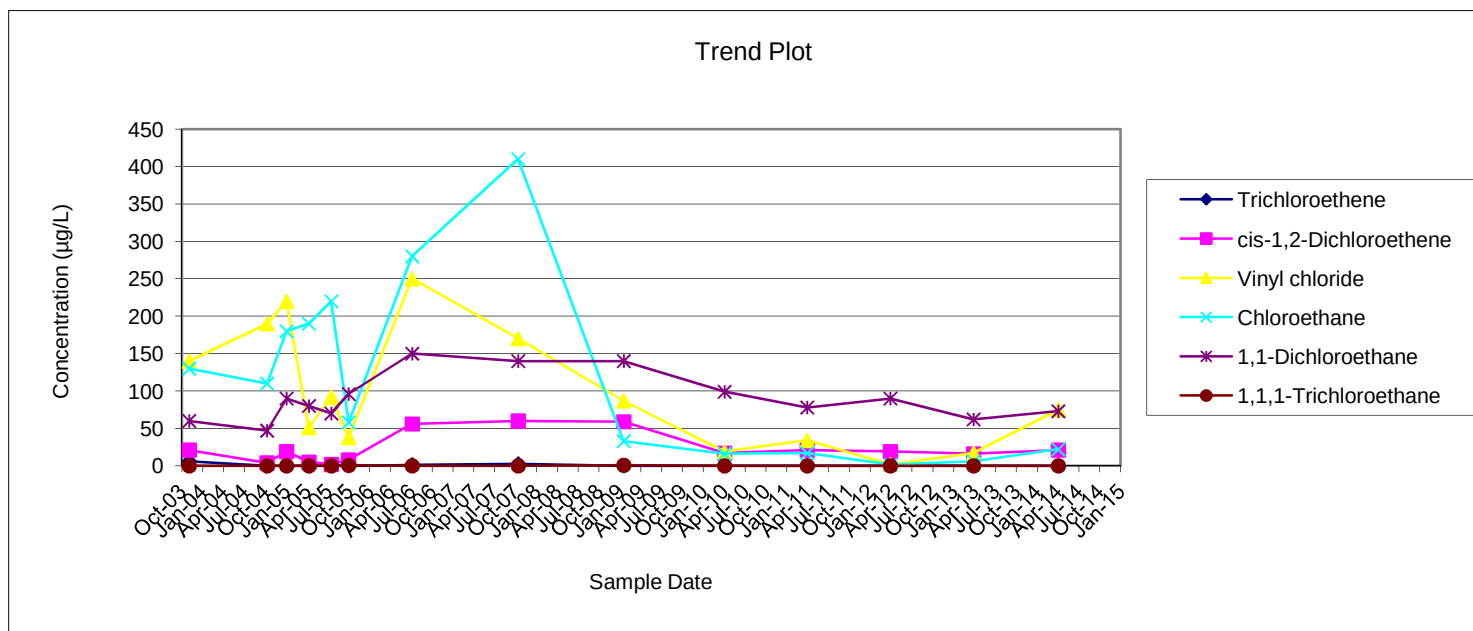


Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	6	21	140	130	60	< 10
10/13/2004	< 10	4	190	110	47	< 10
1/6/2005	< 10	19	220	180	90	< 10
4/14/2005	< 10	5	51	190	80	< 10
7/21/2005	< 5	2	92	220	70	< 5
10/5/2005	< 5	8	38	58	96	0.68
7/10/2006	1.3	56	250	280	150	< 5
10/17/2007	2.6	60	170	410	140	< 25
1/21/2009	<5	59	87	33	140	0.81
4/7/2010	<5	17	19	16	99	< 5
4/4/2011	<1	21	34	17	78	<1
4/2/2012	<1	19	1.8	1.5	90	<1
4/1/2013	<1	16	17	5.9	62	<1
4/7/2014	<1	21	75	22	73	<1

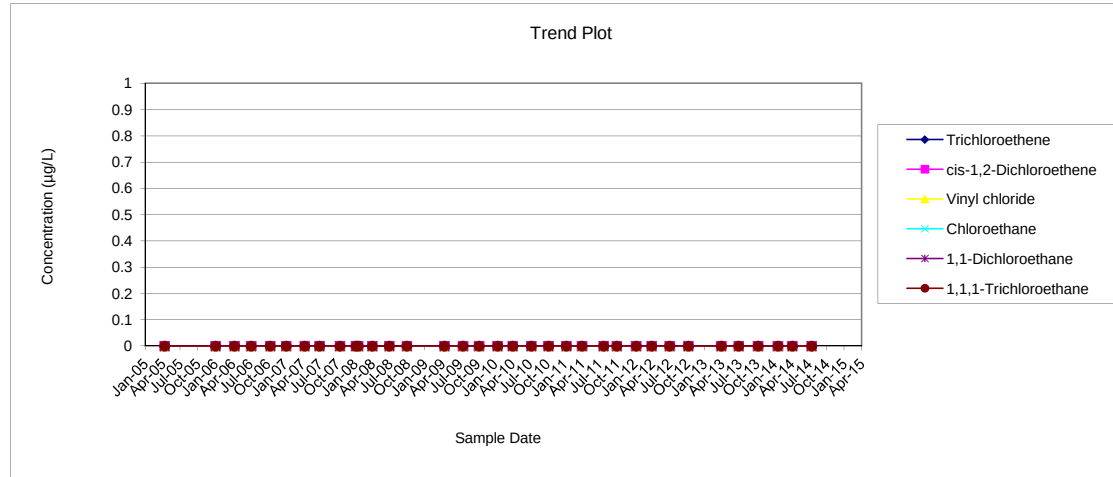
MONITORING WELL MW-9
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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
4/1/2013	<1	<1	<1	<1	<1	<1
7/1/2013	<1	<1	<1	<1	<1	<1
10/10/2013	<1	<1	<1	<1	<1	<1
1/22/2014	<1	<1	<1	<1	<1	<1
4/7/2014	<1	<1	<1	<1	<1	<1
7/17/2014	<1	<1	<1	<1	<1	<1

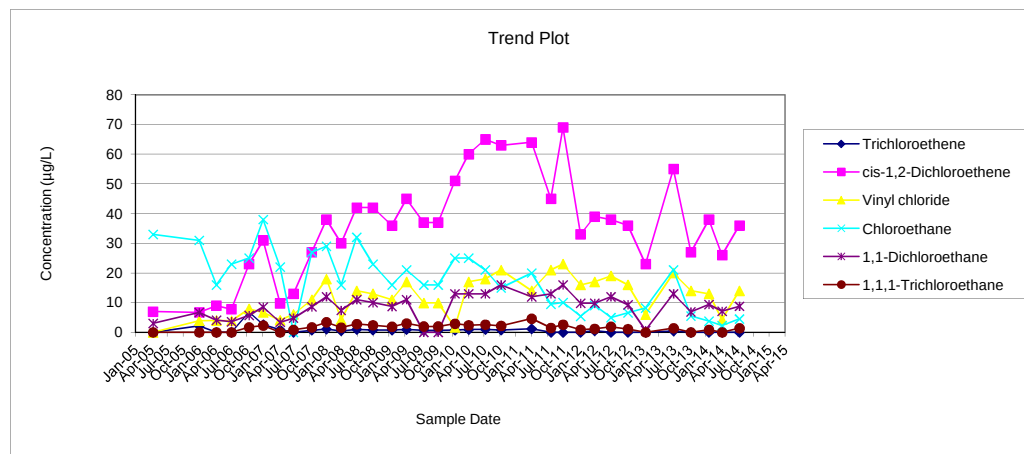
MONITORING WELL MW-10
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	7	< 10	33	3	< 10
1/5/2006	2.2	6.7	3.9	31	6.7	<20
4/14/2006	< 20	9	4	16	4.1	< 20
7/10/2006	< 20	7.8	3.9	23	3.6	< 20
10/19/2006	6.8	23	7.9	25	5.7	1.7
1/9/2007	2.6	31	6.7	38	8.5	2.3
4/16/2007	0.89	9.8	4.1	22	3.4	<5
7/2/2007	< 5	13	6.1	< 5	4.8	0.84
10/16/2007	0.71	27	11	27	8.6	1.7
1/8/2008	1.1	38	18	29	12	3.4
4/2/2008	0.49	30	4.3	16	7.4	1.6
7/1/2008	1	42	14	32	11	2.8
10/2/2008	0.81	42	13	23	10	2.4
1/20/2009	0.77	36	11	16	8.7	1.9
4/14/2009	0.95	45	17	21	11	3
7/22/2009	0.69	37	9.9	16	<5	2
10/13/2009	0.69	37	9.9	16	<5	2
1/18/2010	0.77	51	1.7	25	13	2.9
4/7/2010	0.95	60	17	25	13	2.4
7/12/2010	1	65	18	21	13	2.6
10/11/2010	0.8	63	21	15	16	2.2
4/5/2011	1.2	64	14	20	12	4.6
7/25/2011	<1	45	21	9.5	13	1.5
10/3/2011	<1	69	23	10	16	2.6
1/12/2012	<1	33	16	5.4	9.8	0.88
4/2/2012	0.51	39	17	9.1	9.8	1.2
7/5/2012	<1	38	19	5	12	1.9
10/11/2012	<1	36	16	6.6	9.3	1.1
1/21/2013	<1	23	6	8.2	0.64	<1
7/1/2013	0.46	55	20	21	13	1.4
10/9/2013	<1	27	14	5.5	6.9	<1
1/21/2014	<1	38	13	3.8	9.4	0.85
4/7/2014	<1	26	4.3	2.3	7.1	<1
7/16/2014	<1	36	14	4.5	8.8	1.4

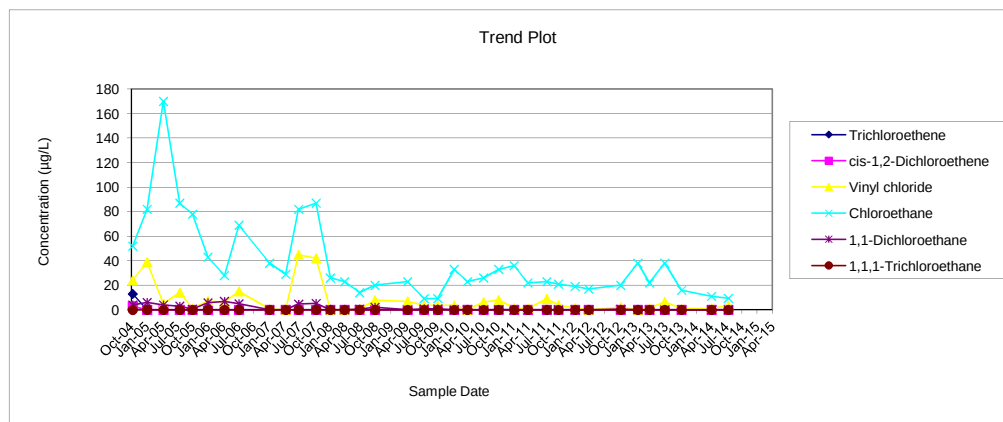
MONITORING WELL MW-11
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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
10/11/2012	< 1	< 1	2.1	20	0.49	< 1
1/21/2013	< 1	< 1	< 1	38	< 1	< 1
4/1/2013	< 1	< 1	1.1	22	< 1	< 1
7/1/2013	< 1	< 1	6.6	38	< 1	< 1
10/10/2013	< 1	< 1	0.95	16	< 1	< 1
4/7/2014	< 1	< 1	1.2	11	< 1	< 1
7/17/2014	< 1	< 1	3.3	9.4	< 1	< 1

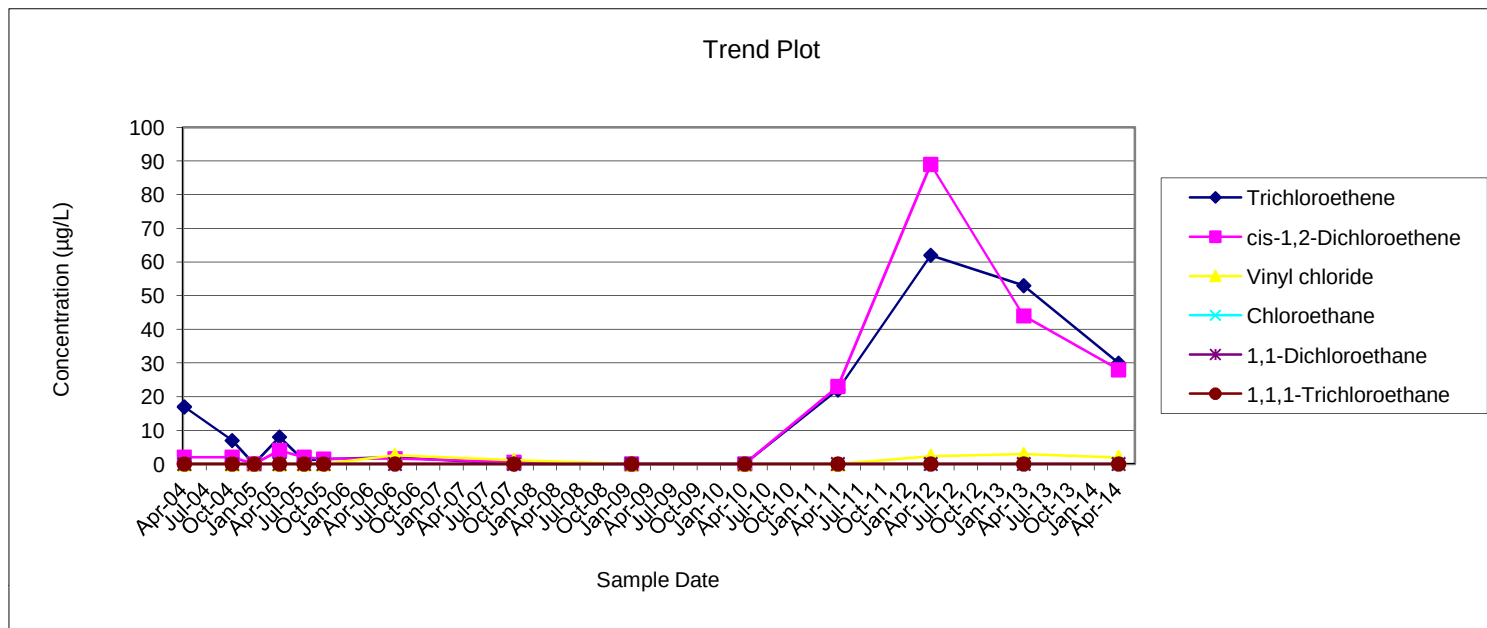
MONITORING WELL MW-12
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-13D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	17	2	< 10	< 10	< 10	< 10
10/12/2004	7	2	< 10	< 10	< 10	< 10
1/6/2005	< 10	< 10	< 10	< 10	< 10	< 10
4/15/2005	8	4	< 10	< 10	< 10	< 10
7/20/2005	1	2	< 5	< 5	< 5	< 5
10/4/2005	1.4	1.5	< 5	< 5	< 5	< 5
7/10/2006	2	1.6	2.6	< 5	< 5	< 5
10/18/2007	<5	0.55	1.1	< 5	< 5	< 5
1/20/2009	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
4/6/2011	22	23	<1	<1	<1	<1
4/3/2012	62	89	2.3	<1	<1	<1
4/1/2013	53	44	2.9	<1	<1	<1
4/7/2014	30	28	1.9	<1	<1	<1

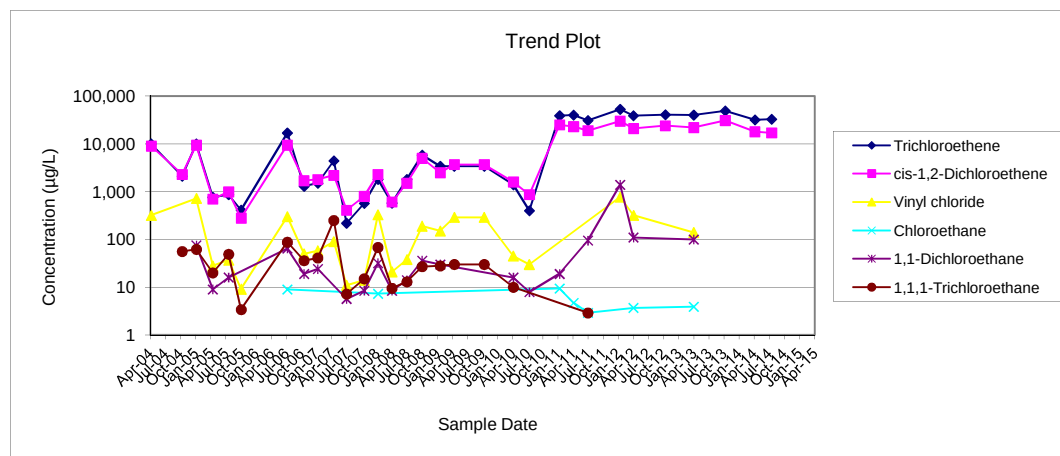
PIEZOMETER MW-13D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-13S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	10,000	9,000	320	< 100	< 100	< 100
10/12/2004	2,100	2,300	< 200	< 200	< 200	56
1/6/2005	10,000	9,400	720	< 200	75	62
4/15/2005	760	700	28	< 50	9	20
7/20/2005	870	990	37	< 40	16	49
10/4/2005	410	280	9.1	< 40	< 40	3.4
7/10/2006	17,000	9,400	300	9	65	88
10/19/2006	1,300	1,700	50	<100	19	36
1/10/2007	1,500	1,800	58	<100	24	41
4/17/2007	4,400	2,200	90	< 250	< 250	250
7/3/2007	220	410	11	< 25	5.7	7.2
10/18/2007	570	800	14	< 25	8.5	15
1/9/2008	1800	2300	330	7.3	32	68
4/3/2008	580	610	21	<50	8.5	9.5
7/2/2008	1,800	1,500	38	<120	14	13
10/2/2008	5,800	5,000	190	<120	36	27
1/20/2009	3,400	2,500	150	<10	30	28
4/15/2009	3,400	3,700	290	<40	<40	30
10/13/2009	3,400	3,700	290	<40	<40	30
4/7/2010	1,400	1,600	45	<50	16	10
7/13/2010	400	870	30	<50	7.9	<50
1/12/2011	39,000	25,000	<500	9.4	19	<1
4/6/2011	40,000	23,000	<800	4.7	<800	<800
7/2/2011	31,000	19,000	<800	2.9	95	2.9
1/13/2012	53,000	30,000	770	<800	1400	<800
4/3/2012	39,000	21,000	320	3.7	110	<1
10/12/2012	41,000	24,000	<800	<800	<800	<800
4/2/2013	40,000	22,000	140	3.9	100	<1
10/10/2013	49,000	31,000	<1	<1	<1	<1
4/7/2014	32,000	18,000	<500	<500	<500	<500
7/17/2014	33,000	17,000	<500	<500	<500	<500

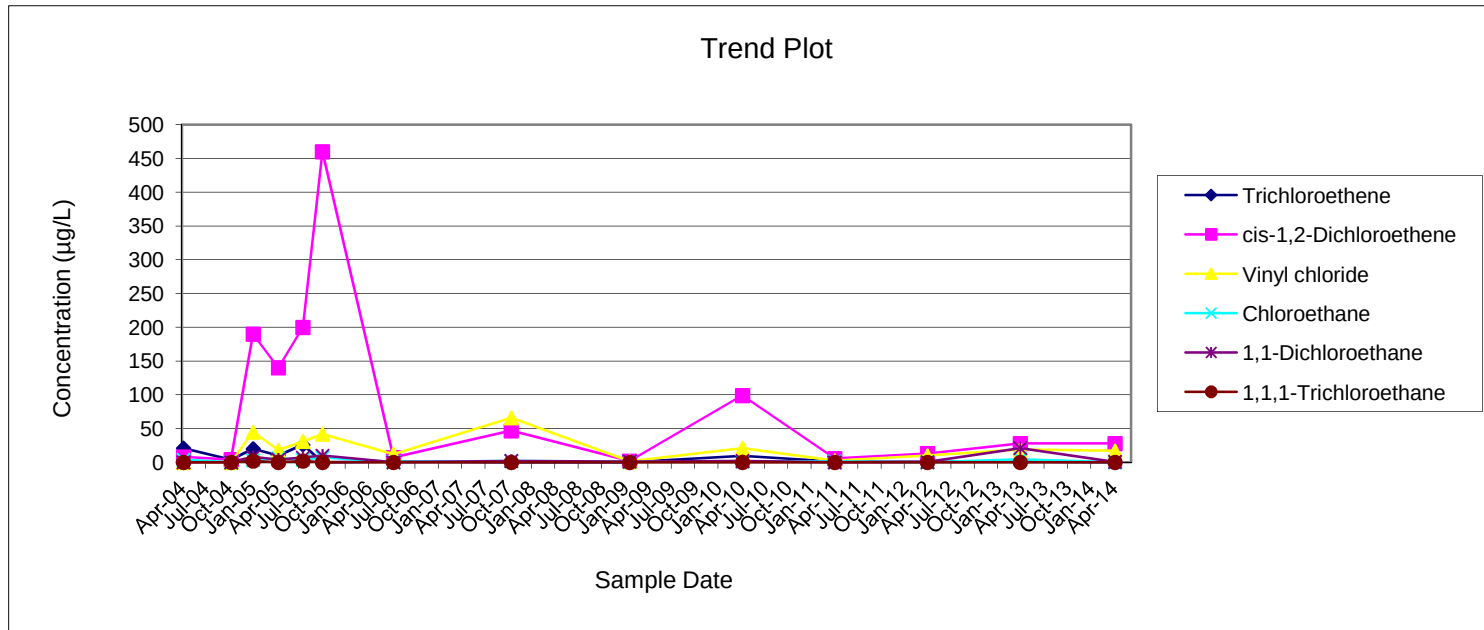
PIEZOMETER MW-13S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1,1-Tetrachloroethane
4/8/2004	21	8	< 10	4	< 10	< 10
10/12/2004	4	4	< 10	< 10	< 10	< 10
1/6/2005	20	190	45	3	8	2
4/15/2005	10	140	18	6	4	< 10
7/20/2005	26	200	31	4	7	2
10/5/2005	< 10	460	42	7.2	9.9	<10
7/10/2006	0.96	7.2	12	0.82	< 5	< 5
10/15/2007	< 5	47	66	1.8	2.2	< 5
1/21/2009	<5	2	1.4	0.91	1.3	<5
4/8/2010	9.4	99	21	1.5	2	<5
4/5/2011	0.97	5.6	2.6	1.5	<1	<1
4/2/2012	0.64	13	9.9	<1	0.44	<1
4/1/2013	0.99	28	19	4.6	21	<1
4/7/2014	<1	28	17	<1	0.82	<1

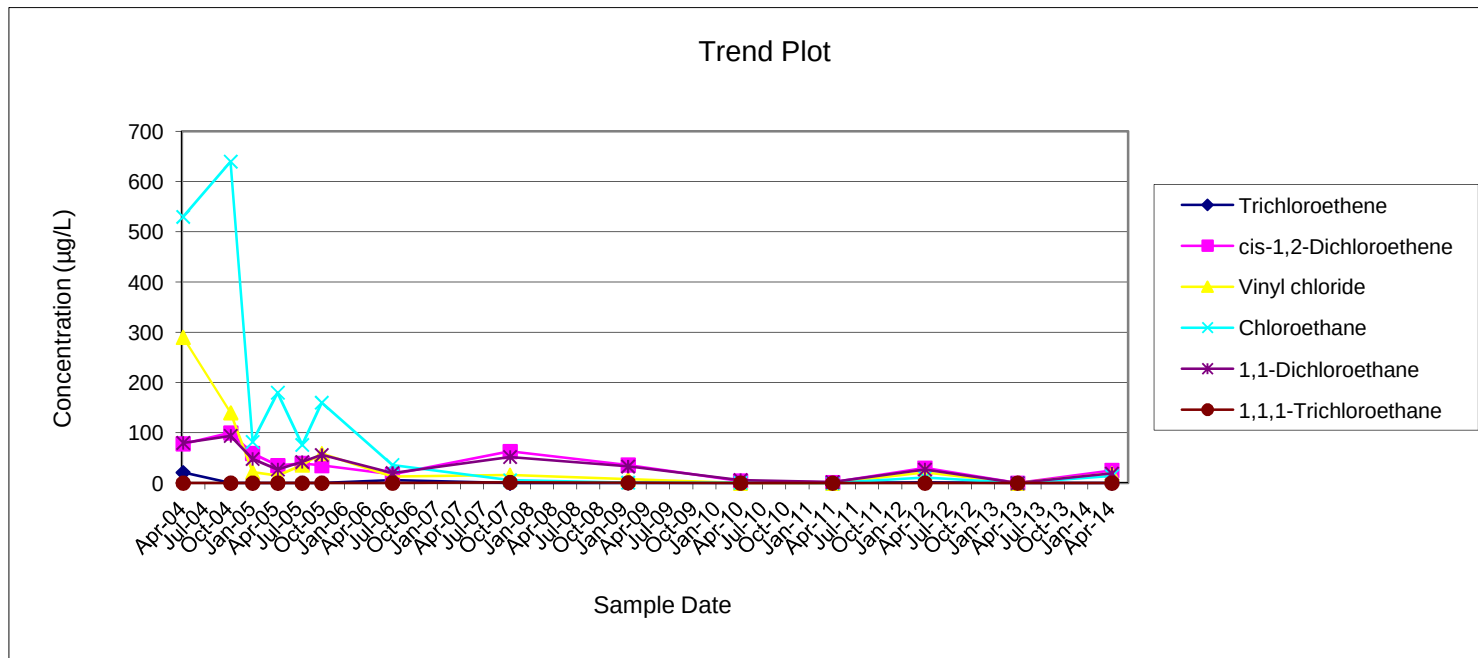
PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1,1-Tetrachloroethane
4/8/2004	21	78	290	530	80	< 20
10/12/2004	< 10	100	140	640	94	< 10
1/6/2005	< 10	59	22	82	48	< 10
4/15/2005	< 10	35	15	180	27	< 10
7/20/2005	< 5	39	36	76	42	< 5
10/5/2005	< 5	35	59	160	56	<5
7/10/2006	5.7	17	13	36	20	< 25
10/15/2007	< 5	63	16	5.7	52	1.3
1/21/2009	0.38	36	7.9	0.87	33	0.63
4/8/2010	< 5	4	< 5	0.62	5.9	<5
4/5/2011	< 1	1.1	<1	<1	1.9	<1
4/2/2012	1.3	30	21	11	27	<1
4/1/2013	<1	<1	<1	<1	<1	<1
4/7/2014	<1	25	19	14	19	<1

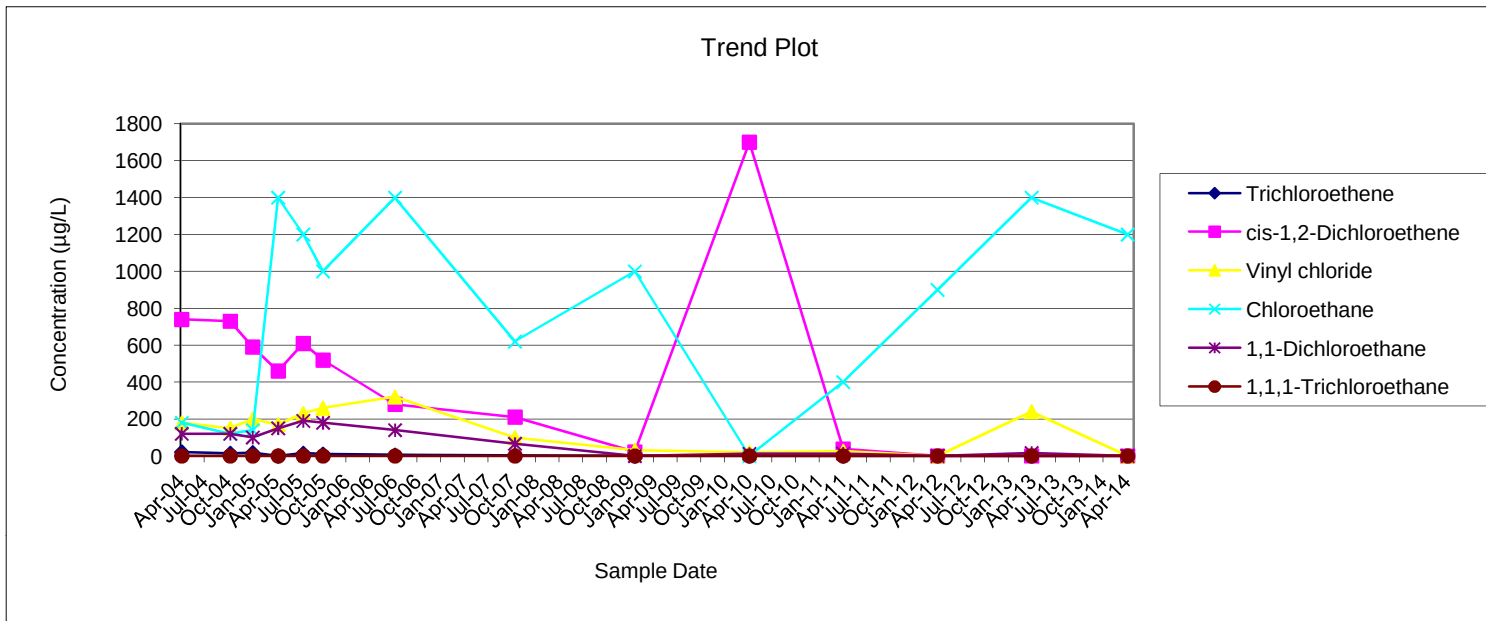
**PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



PIEZOMETER MW-15D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1,1-Tetrachloroethane
4/8/2004	21	740	180	180	120	< 10
10/12/2004	14	730	150	120	120	< 50
1/7/2005	18	590	200	140	100	< 50
4/15/2005	< 50	460	170	1,400	150	< 50
7/21/2005	15	610	230	1,200	190	< 25
10/5/2005	10	520	260	1,000	180	<50
7/10/2006	4.9	280	320	1,400	140	< 5
10/16/2007	3.6	210	99	620	66	< 5
1/21/2009	<25	22	32	1000	<25	<25
4/8/2010	<5	1700	19	<5	12	<5
4/5/2011	<8	38	26	400	13	<8
4/3/2012	<10	<10	<10	900	<10	<10
4/1/2013	<8	<8	240	1400	16	<8
4/7/2014	<20	<20	<20	1200	<20	<20

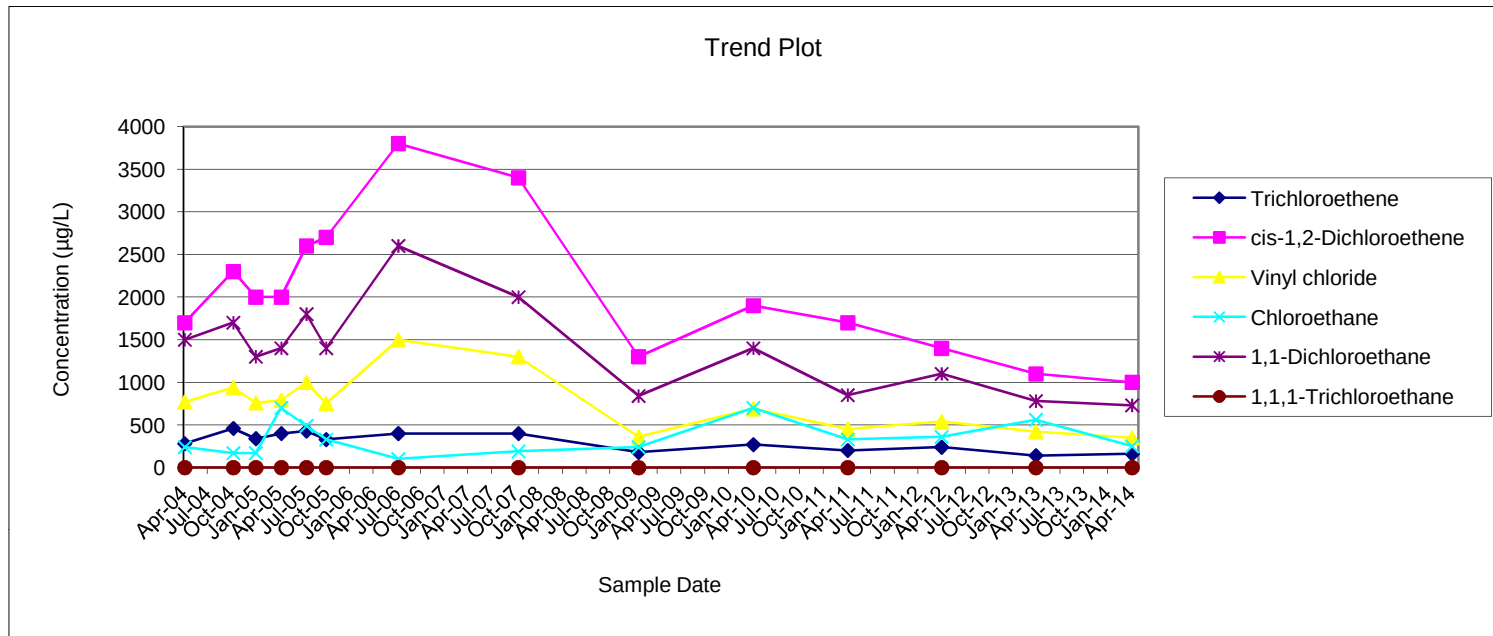
PIEZOMETER MW-15D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1,1-Tetrachloroethane
4/8/2004	280	1,700	770	240	1,500	< 250
10/12/2004	460	2,300	940	170	1,700	< 250
1/7/2005	340	2,000	760	170	1,300	< 250
4/15/2005	400	2,000	790	700	1,400	< 200
7/21/2005	430	2,600	1,000	490	1,800	< 120
10/5/2005	330	2,700	750	330	1,400	<100
7/10/2006	400	3,800	1,500	100	2,600	< 25
10/16/2007	400	3400	1300	190	2000	< 200
1/21/2009	180	1300	360	240	840	<5
4/8/2010	270	1900	690	700	1400	<10
4/7/2011	200	1700	450	330	850	<1
4/3/2012	240	1400	540	360	1100	<1
4/1/2013	140	1100	420	560	780	<20
4/7/2014	160	1000	350	250	730	<20

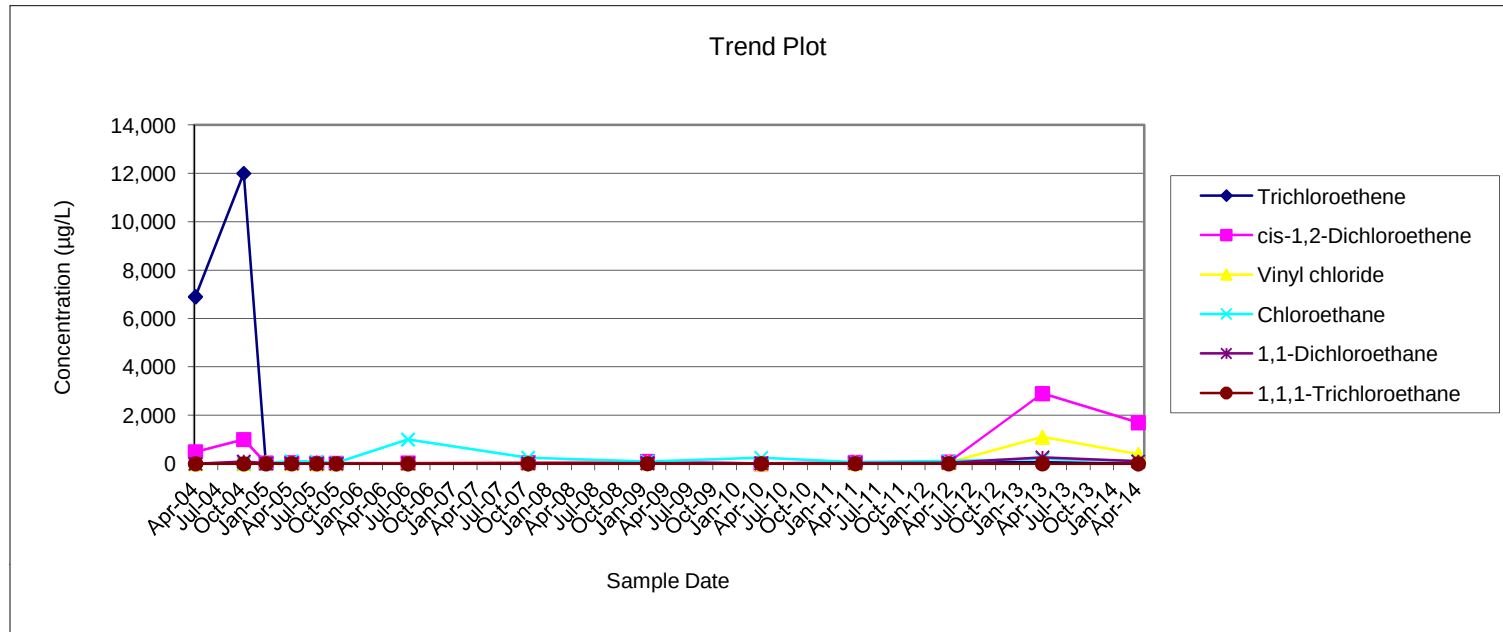
PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-16D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	6,900	490	< 500	< 500	< 500	< 500
10/12/2004	12,000	1,000	< 500	< 500	91	< 500
1/6/2005	9	27	39	22	15	< 10
4/15/2005	32	36	17	100	10	< 10
7/21/2005	25	12	4	84	2	< 10
10/5/2005	1.3	16	10	41	5	<5
7/10/2006	6.1	27	21	1,000	9.7	< 5
10/18/2007	6	48	39	250	16	< 20
1/22/2009	52	92	39	90	21	1.9
4/8/2010	12	6.9	3.6	240	8.7	< 10
4/7/2011	22	59	33	59	27	1.2
4/3/2012	42	66	46	110	35	<1
4/1/2013	57	2900	1100	190	260	<1
4/7/2014	<25	1700	390	110	99	<25

PIEZOMETER MW-16D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-16S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	860,000	62,000	< 20,000	< 20,000	5,000	14,000
10/12/2004	200,000	46,000	< 10,000	< 10,000	2,900	< 10,000
1/7/2005	420,000	64,000	< 10,000	< 10,000	3,800	3,300
4/15/2005	400,000	71,000	< 25,000	< 25,000	< 25,000	< 25,000
7/21/2005	480,000	76,000	1,500	2,200	4,400	2,700
10/5/2005	440,000	74,000	< 25,000	< 25,000	4,100	< 25,000
1/6/2006	470,000	82,000	2,600	< 20,000	3,300	5,200
4/14/2006	260,000	56,000	3,900	< 20,000	2,600	< 20,000
7/10/2006	310,000	78,000	4,000	< 20,000	3,500	< 20,000
10/19/2006	77,000	22,000	1,300	< 5,000	940	< 5,000
1/10/2007	44,000	18,000	1,900	< 2,500	840	< 2,500
4/17/2007	94,000	36,000	3,300	1,800	1,500	< 5,000
7/3/2007	86,000	38,000	3,000	< 5,000	1,400	< 5,000
10/18/2007	130000	47000	2800	2600	1600	820
1/8/2008	67000	30000	3200	< 5000	1100	< 5000
4/3/2008	76,000	35,000	2,900	710	1,300	500
7/2/2008	58,000	26,000	2,400	570	830	<5000
10/2/2008	63,000	26,000	3,100	690	920	<5000
1/22/2009	92,000	51,000	4,200	730	1,800	490
4/15/2009	130,000	61,000	4,200	<2000	1,800	900
7/22/2009	87,000	45,000	3,000	650	1,500	740
1/19/2010	22,000	18,000	2,600	1,100	670	340
4/8/2010	220,000	99,000	6,800	1,100	3,000	2,000
10/11/2010	300,000	90,000	6,300	<20,000	3,100	5,000
4/7/2011	250,000	74,000	7,100	<4,000	<4,000	5,600
10/4/2011	190,000	67,000	3,700	<800	1,400	4,600
4/3/2012	250,000	84,000	8,400	960	1,700	4,900
7/6/2012	170,000	72,000	3,900	<2000	1,200	2,400
1/21/2013	240,000	79,000	9,300	2,900	2,200	7,200
7/1/2013	120,000	65,000	5,400	1,200	1,200	2,600
1/22/2014	110,000	43,000	3,700	<2,000	830	2,700
4/7/2014	61,000	24,000	1,600	<1000	500	1,000

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