

New York State Department of Environmental
Conservation

Division of Environmental Remediation

REMEDIAL SYSTEM OPTIMIZATION REPORT – THIRD QUARTER 2015

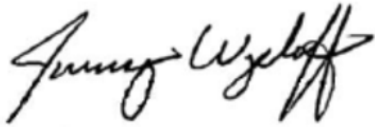
Vestal Water Supply Site
Vestal, New York (Site No. 7-04-009A)

September 2016

**REMEDIAL SYSTEM
OPTIMIZATION
REPORT – THIRD
QUARTER 2015**



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Vestal Water Supply Site
Site No. 7-04-009A

Prepared for:
New York State Department of Environmental
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1 INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) issued a Work Assignment (# D004443-4) to Arcadis CE, Inc. (Arcadis) for Operation, Maintenance, and Monitoring at the Vestal Water Supply Site (site) in New York State (Site # 7-04-009A) (Figure 1-1).

The NYSDEC is evaluating the efficiency, effectiveness, environmental benefit, and cost of existing environmental remedies by performing a Remedial System Optimization (RSO). The purpose of the RSO is to assess the site's Conceptual Site Model (CSM), provide a summary of the performance of the remedy, document current cleanup practices, provide a summary of progress toward the cleanup goals, and provide recommendations for improvements, if required.

The Well 1-1A groundwater treatment plant was shut down on February 28, 2014 as part of the RSO to evaluate the impacts to groundwater quality while the treatment plant is not operating. In particular, plume migration is being monitored to assess the effects of groundwater withdrawals from the Town of Vestal water supply wells 1-2A and 1-3 on the groundwater plume distribution and migration. In addition, soil and groundwater samples have been collected to further evaluate the horizontal and vertical distribution of VOCs in the area of the site.

This Quarterly Report has been prepared to summarize the July 2015 through September 2015 field activities.

2 INVESTIGATION ACTIVITIES

The scope of work for the RSO was designed to provide data for use in evaluation of the existing remedy and to further characterize the nature and extent of contamination in soil and groundwater at the site. The RSO provides information that is being used to assess the efficiency of the remedy and evaluate potential alternative remedial approaches. These data are summarized in the Draft Focused Feasibility Study (FFS), which was submitted to the NYSDEC on June 24, 2015.

The basic scope of work included field oversight of subcontractors (i.e., driller and surveyor), preparation of daily field logs, collection of subsurface and surface soil samples, installation of monitoring wells, monitoring well development and hydraulic conductivity testing, measuring groundwater levels, installation of groundwater level data loggers, shut-down of the Well 1-1A groundwater treatment plant for a period of at least one year, collection of groundwater samples from new and existing wells, evaluation of data, and reporting of conclusions and recommendations.

Currently the investigation includes monthly pre-treatment sampling for the Town of Vestal water supply wells 1-2A and 1-3 and quarterly groundwater sampling from the new and existing monitoring wells.

2.1 Groundwater Sampling

As recommended in the 4th quarter 2014 RSO Report, groundwater samples were collected from a revised sample list (Table 2-1) which was approved by the NYSDEC on March 19, 2015. Monitoring wells were selected to focus on plume migration and distribution on the north side of NYS Route 17. Several existing monitoring wells (4009-18, 4009-19, 4009-21, 4009-30, and 4009-30A) were recently located which were added to the sample list to collect more data near the Town of Vestal water supply wells 1-2A and 1-3. Well 1-1 was also added to the sampling list (Figure 2-2). Groundwater samples were collected using passive diffusion bags (PDBs) in accordance with the RSO Work Plan and were submitted for analysis of TCL VOCs by USEPA Method 8260 to TestAmerica-Buffalo following chain-of-custody sample handling procedures. The USEPA ERT monitoring wells on the ECO International property and Well 1-1A are not included on the revised sample list (discussed above) and were not sampled during this event.

2.1.1 Water Level Data

Groundwater levels were measured on July 13, 2015 using an oil-water interface probe. As indicated in Section 1, the Well 1-1A treatment plant continues to be shut down, therefore, groundwater levels are representative of static (non-pumping) conditions. Groundwater levels were used to calculate groundwater elevations and assess groundwater flow conditions across the site. A summary of groundwater elevation data is provided in Table 2-2. It was noted that water levels at monitoring wells 4009-16 and 4009-16A were approximately five feet lower (relative to the surrounding monitoring wells) than has been previously observed. As shown in Table 2-2, light non-aqueous phase liquid (LNAPL) was detected in monitoring wells ERT-1S and ERT-1D (0.95 ft. and 0.08 ft. respectively) during the July 13, 2015 gauging event. Based on gauging data presented in the 2012 Conceptual Site Model (Lockheed Martin, 2012), LNAPL has previously been identified in ERT-1S and is not believed to be wide-spread in that area. Trace amounts of LNAPL were also measured in monitoring wells ERT-4I and ERT-4D (0.01 ft.

and 0.02 ft. respectively) during the July 13, 2015 gauging event. Arcadis has not previously noted LNAPL being observed in monitoring wells ERT-4I and ERT-4D. These monitoring wells, as well as the surrounding ERT monitoring wells will continue to be monitored during the next quarter.

The July 13, 2015 potentiometric maps (Figures 2-2, 2-3, and 2-4) provide groundwater flow information for the shallow, intermediate, and deep groundwater monitoring zones during the Well 1-1A treatment plant shutdown period.

2.1.1.1 July 2015 Potentiometric Maps (July 13, 2015)

As shown on Figures 2-2 and 2-3, the direction of groundwater flow in the shallow and intermediate groundwater monitoring zones is generally west to northwest. Figure 2-4 shows that the direction of groundwater flow in the deep groundwater monitoring zone between the Well 1-1A treatment facility and the Town of Vestal, Wells 1-2A and 1-3 is generally north to northwest, toward the Susquehanna River. The groundwater flow direction in the shallow, intermediate, and deep monitoring zones are generally consistent with the previous groundwater flow assessments for the respective monitoring zones.

2.1.2 July 2015 Groundwater Sampling

On July 29, 2015 groundwater samples were collected using PDBs that were deployed on July 13, 2015 in the wells identified on Table 2-1. Former treatment system Well 1-1 was also included in accordance with the fourth quarter 2014 RSO Report recommendations and subsequent NYSDEC approval on March 2015. The USEPA ERT monitoring wells (Figure 2-1) on the ECO International property (the source area) were not sampled during this event. Extraction Well 1-1A was sampled during the baseline event, but since the shutdown of the Well-1A treatment facility a sample is not able to be collected from this well.

2.1.2.1 July 2015 Groundwater Sampling Results

Groundwater results from the July 2015 groundwater sampling event are provided in Table 2-3. The VOCs measured at the highest concentrations were benzene, 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), trichloroethene (TCE), and vinyl chloride (VC). Total VOC concentrations measured at the shallow, intermediate, and deep groundwater monitoring zones, during the July groundwater sampling event are presented on Figures 2-5, 2-6, 2-7, and 2-8, respectively.

Figure 2-5 and Table 2-3 show that monitoring wells 4009-9, 4009-10, 4009-16A, and 4009-30A were the only wells screened in the shallow groundwater monitoring zone that contained detected concentrations of VOCs. Benzene was the only VOC concentration exceeding NYSDEC Class GA Groundwater Standards in three of the four wells; 4009-10, 4009-16A, and 4009-30A. Benzene and cis-1,2-DCE concentrations exceeded NYSDEC Class GA Groundwater Standards in monitoring well 4009-9. The total VOCs measured at each of the shallow monitoring wells is as follows; 4009-9 (18.99 µg/L), 4009-10 (1.8 µg/L), 4009-16A (11 µg/L), and 4009-30A (2.5 µg/L).

As shown on Figure 2-6 and Table 2-3, the highest concentrations of VOCs are in the intermediate groundwater zone, down-gradient of the source area (ECO International property). The highest VOC

concentrations in groundwater samples collected during the July sampling event were from well 4009-29I. The VOC concentrations in the intermediate groundwater zone ranged from 2.21 µg/L at monitoring well 4009-27I to the maximum concentration of total VOCs in groundwater sample collected from 4009-29I (3,260 µg/L).

The following nine monitoring wells screened in the deep groundwater monitoring zone contained concentrations of VOCs that equaled or exceeded NYSDEC Class GA Groundwater Standards; 4009-11, 4009-12, 4009-13, 4009-14, 4009-15, 4009-19, 4009-22, 4009-29D, and Well 1-1. Benzene (discussed below) was the only VOC equal to or exceeding the NYSDEC Class GA Groundwater Standard of 1.0 µg/L in six of the nine monitoring wells listed above. The total VOCs measured in the remaining deep monitoring wells is as follows; 4009-12 (359 µg/L), 4009-29D (94 µg/L), and Well 1-1 (418 µg/L).

Figure 2-8 shows the plume under the revised sample list. As shown on Figure 2-8, the highest groundwater concentrations were detected in the 4009-29 well cluster. The area of highest concentrations extends slightly southward to the 4009-27 cluster and to the northwest past 4009-12 to Well 1-1. However, based on previous sampling results, the elevated groundwater concentrations at these locations would only be representative of the tail of the groundwater plume. Based on the horizontal and vertical distribution of VOCs, it appears that the long-term pumping at extraction Wells 1-1 and replacement well 1-1A has caused the plume to be drawn from the water table in the vicinity of the source area, to greater than 100 feet bgs approximately 2,000 feet to the west.

Quarterly groundwater monitoring data indicate that there is little change in the shallow, intermediate, and deep groundwater plume distribution and migration since the shutdown of the Well 1-1A groundwater treatment plant. Changes in the VOC concentration figures are primarily associated with the exclusion of the source area monitoring wells and Well 1-1A since the baseline sampling event, as well as the revised sampling list which concentrates primarily on the plume migration on the north side of NYS Route 17. The concentration fluctuations in monitoring well 4009-12 also has influences in the plume distribution figures. Historically the concentrations surrounding the ECO international property have been the greatest, consistent with this property being the source area.

Total VOCs detected in the groundwater samples collected in the July 2015 sampling event are generally consistent with the range of results reported during the last six sampling events (February, March, May, August 2014, April/May, and July 2015). Of the newly added monitoring wells (4009-18, 4009-19, 4009-21, 4009-30, 4009-30A, and Well 1-1), Well 1-1 was the only monitoring well with a relatively higher concentration of total VOCs (418 µg/L). The concentration of VOCs in monitoring wells 4009-18 (1.0 µg/L), 4009-21 (0.0 µg/L), and 4009-30 (0.82 µg/L) were non-detect or below the respective NYSDEC Class GA Groundwater Standards. Benzene was the only VOC that was detected at or above the standard in monitoring wells 4009-19 (1.0 µg/L) and 4009-30A (2.5 µg/L). The VOC 1,1,1-trichloroethane (1,1,1-TCA) was detected at a concentration less than the NYSDEC Class GA Groundwater Standards in monitoring well 4009-18 (1.0 µg/L). This concentration is consistent with the estimated concentration of 1,1,1-TCA (0.86 µg/L) detected at this well during the April/May 2015 sampling event. The VOC 1,1-dichloroethane (1,1-DCA) was detected at a concentration less than the NYSDEC Class GA Standards in monitoring well 4009-30 (0.82 µg/L). This concentration was consistent with the estimated concentration of 1-1-DCA (0.86 µg/L) detected at monitoring well 4009-30 during the April/May sampling event. As detailed above in Section 2.1, monitoring wells 4009-18 and 4009-30 have recently been located and sampled for only the second

time by Arcadis; therefore no historical groundwater data exists for these wells beyond the April/May 2015 sampling event. Concentration trends will continue to be monitored during the next quarter.

Concentrations of VOCs in samples from the monitoring wells in the vicinity of the Town of Vestals water supply wells 1-2A and 1-3 are less than the NYSDEC Class GA Groundwater Standards with the exception of benzene in monitoring well 4009-16A and 4009-19.

Benzene has shown increasing concentrations north, east, and west of the core of the plume over the past six sampling events. During the July 2015 sampling event, benzene was detected in the following shallow monitoring wells; 4009-9 (3.4 µg/L), 4009-10 (1.8 µg/L), 4009-16A (11 µg/L), and 4009-30A (2.5 µg/L) and the deep monitoring wells; 4009-11 (8.4 µg/L), 4009-12 (2.9 µg/L), 4009-13 (1.7 µg/L), 4009-14 (4.0 µg/L), 4009-14 (4.0 µg/L), 4009-15 (9.1 µg/L), 4009-19 (1.0 µg/L), 4009-22 (1.1 µg/L), and 4009-29D (0.70 µg/L). Eleven of the thirteen wells listed above exceeded the NYSDEC Class GA Groundwater Standard of 1.0 µg/L for benzene (Figures 2-9 through 2-12). Benzene was not detected in the intermediate groundwater monitoring zone.

2.1.3 Town of Vestal Municipal Well Sampling

Monthly analytical data are provided by the Town of Vestal Water Superintendent for Well 1-2A and 1-3. Samples were collected on July 14, 2015, August 11, 2015, and September 15, 2015. Pre-treatment groundwater samples were also collected by Arcadis from the Town of Vestal water supply wells 1-2A and 1-3 on July 29, 2015, August 28, 2015, and September 24, 2015. These samples were used to supplement the Town's monthly influent sampling data and to evaluate potential impacts to the Town's water supply wells related to the shutdown of the Well 1-1A treatment plant. Samples were collected in consultation with the Town of Vestal Water District Superintendent and submitted to TestAmerica for analysis of VOCs by USEPA Method 8260.

VOCs associated with contamination from the source area have not been detected in any of the pre-treatment effluent samples collected from the Town of Vestal water supply wells 1-2A and 1-3 during this reporting period. A summary of the monthly analytical data is provided in Table 2-4. Laboratory analytical reporting forms are provided in Appendix A.

3 RECOMMENDATIONS

Town of Vestal Well 1-2A and Well 1-3 should continue to be sampled on a monthly basis to supplement the Town's sampling program at least until the final remedies for OU1 and OU2 are implemented. In addition, quarterly groundwater monitoring should continue at the revised monitoring locations while the Well 1-1A treatment plant is shut down to evaluate groundwater contaminant distribution over time.

4 ACTIVITIES FOR NEXT QUARTER

Scheduled activities for the next quarter are summarized below.

- Monthly post shutdown sampling at Town of Vestal Wells 1-2A and 1-3.
- Quarterly groundwater sampling (November 2015).

TABLES



Table 2-1 Summary of the Groundwater Monitoring Locations
Remedial Site Optimization Report /Third Quarter 2015
Vestal Water Supply Site
Site Number 7-04-009A

WELL I.D.	2015 Quarterly Monitoring Locations
4009-9	X
4009-10	X
4009-11	X
4009-11A	X
4009-12	X
4009-13	X
4009-13A	X
4009-14	X
4009-15	X
4009-16	X
4009-16A	X
4009-18	X
4009-19	X
4009-21	X
4009-22	X
4009-27S	X
4009-27I	X
4009-27D	X
4009-28	X
4009-29S	X
4009-29I	X
4009-29D	X
4009-30	X
4009-30A	X
WELL 1-1	X

WELL I.D.	Top of Riser (ft AMSL)	2/19/2014			3/17/2014			5/12/2014		
		DTW (fbgs)	DTP (fbgs)	GW ELEV (famsl)	DTW (fbgs)	DTP (fbgs)	GW ELEV (famsl)	DTW (fbgs)	DTP (fbgs)	GW ELEV (famsl)
4009-1	831.98	7.43	NP	824.55	7.15	NP	824.83	7.26	NP	824.72
4009-2	827.78	18.16	NP	809.62	17.96	NP	809.82	17.90	NP	809.88
4009-3	823.47	16.92	NP	806.55	14.52	NP	808.95	15.10	NP	808.37
4009-4	822.22	11.87	NP	810.35	10.64	NP	811.58	10.80	NP	811.42
4009-5	824.36	18.47	NP	805.89	16.23	NP	808.13	17.70	NP	806.66
4009-6	827.73	20.88	NP	806.85	19.38	NP	808.35	19.50	NP	808.23
4009-7	824.27	18.76	NP	805.51	16.28	NP	807.99	16.91	NP	807.36
4009-8	824.52	19.69	NP	804.83	13.28	NP	811.24	17.60	NP	806.92
4009-9	825.05	20.36	NP	804.69	18.00	NP	807.05	18.82	NP	806.23
4009-10	831.31	26.44	NP	804.87	24.28	NP	807.03	24.95	NP	806.36
4009-11	830.06	26.95	NP	803.11	23.75	NP	806.31	24.89	NP	805.17
4009-11A	830.80	15.22	NP	815.58	14.78	NP	816.02	14.56	NP	816.24
4009-12	823.34	18.80	NP	804.54	16.68	NP	806.66	17.52	NP	805.82
4009-12A	823.80	20.21	NP	803.59	16.60	NP	807.20	17.98	NP	805.82
4009-13	816.28	12.31	NP	803.97	8.97	NP	807.31	10.42	NP	805.86
4009-13A	816.17	11.74	NP	804.43	8.72	NP	807.45	9.94	NP	806.23
4009-14	820.71	16.62	NP	804.09	13.43	NP	807.28	15.36	NP	805.35
4009-15	826.54	22.63	NP	803.91	19.35	NP	807.19	11.93	NP	814.61
4009-16	826.72	22.68	NP	804.04	19.50	NP	807.22	21.12	NP	805.60
4009-16A	826.84	22.45	NP	804.39	19.45	NP	807.39	21.22	NP	805.62
4009-17	820.53	26.12	NP	794.41	12.95	NP	807.58	14.52	NP	806.01
4009-18	834.78	30.59	NP	804.19	27.61	NP	807.17	29.38	NP	805.40
4009-19	824.94	20.79	NP	804.15	17.78	NP	807.16	19.54	NP	805.40
4009-20	822.90	18.45	NP	804.45	15.60	NP	807.30	17.82	NP	805.08
4009-21	825.02 **	18.90	NP	804.20	15.90	NP	807.20	17.65	NP	805.45
4009-22	817.40	13.06	NP	804.34	9.85	NP	807.55	11.50	NP	805.90
4009-23S	824.48	16.65	NP	807.83	15.48	NP	809.00	14.88	NP	809.80
4009-23D	824.39	18.93	NP	805.46	16.37	NP	808.02	17.15	NP	807.24
4009-24	822.32	15.52	NP	806.80	13.38	NP	808.94	13.99	NP	808.33
4009-25S	823.61	14.77	NP	808.84	13.84	NP	809.77	13.95	NP	809.66
4009-25D	823.57	14.98	NP	808.59	13.70	NP	809.87	13.78	NP	809.79
4009-26	824.31	19.36	NP	804.95	16.55	NP	807.76	17.39	NP	806.92
4009-27S	826.19	21.97	NP	804.22	18.80	NP	807.39	20.02	NP	806.17
4009-27I	826.03	21.93	NP	804.10	18.63	NP	807.40	19.98	NP	806.05
4009-27D	825.87	21.90	NP	803.97	18.43	NP	807.44	19.88	NP	805.99
4009-28	821.59	17.71	NP	803.88	14.45	NP	807.14	16.00	NP	805.59
4009-29S	825.77	21.75	NP	804.02	18.42	NP	807.35	19.75	NP	806.02
4009-29I	825.68	21.94	NP	803.74	18.51	NP	807.17	19.86	NP	805.82
4009-29D	825.67	21.92	NP	803.75	18.54	NP	807.13	19.80	NP	805.87
4009-30A	827.50 **	NM	NM	NM	NM	NM	NM	NM	NM	NM
4009-30A	826.69 **	NM	NM	NM	NM	NM	NM	NM	NM	NM
WELL 1-1	832.36	29.09	NP	803.27	25.23	NP	807.13	25.50	NP	806.86
WELL 1-1A	831.13	24.93	NP	806.20	24.13	NP	807.00	26.72	NP	804.41
ERT-1S	824.01	12.65	11.72	810.57	11.83	10.88	811.37	11.53	10.62	811.71
ERT-1I	824.03	13.45	NP	810.58	12.43	NP	811.60	12.42	NP	811.61
ERT-1D	823.88	13.50	13.49	810.38	12.50	NP	811.38	12.42	NP	811.46
ERT-2S	824.67 *	14.19	NP	810.48	13.72	NP	810.95	13.00	NP	811.67
ERT-2I	824.54 *	14.07	NP	810.47	13.08	NP	811.46	13.06	NP	811.48
ERT-2D	824.44 *	12.98	NP	811.46	12.88	NP	811.56	12.56	12.55	811.88
ERT-3S	824.38	13.29	NP	811.09	12.94	NP	811.44	11.83	NP	812.55
ERT-3I	824.23	14.21	NP	810.02	13.23	NP	811.00	13.20	NP	811.03
ERT-3D	824.20	14.95	NP	809.25	14.62	NP	809.58	13.78	NP	810.42
ERT-4S	823.54	13.32	NP	810.22	12.58	NP	810.96	12.85	NP	810.69
ERT-4I	823.49	14.23	NP	809.26	13.37	NP	810.12	13.42	NP	810.07
ERT-4D	823.63	14.55	NP	809.08	13.56	NP	810.07	13.63	NP	810.00
ERT-5	824.64 *	NM	NM	NM	12.34	NP	812.30	12.40	NP	812.24
ERT-6	824.74 *	14.25	NP	810.49	13.05	NP	811.69	13.15	13.14	811.59
ERT-7	823.96	15.38	NP	808.58	14.25	NP	809.71	14.55	NP	809.41
ERT-8	824.69	16.70	NP	807.99	15.13	NP	809.56	15.50	NP	809.19

Notes:

- fbgs - feet below ground surface
- famsl - feet above mean sea level
- * - Elevation data from Conceptual Site Model (Lockheed Martin, 2012).
- ** - Elevation data remeasured on 4/1/15 after well repairs
- NM - Not measured
- NP - No product / LNAPL
- Corrected based on assumed LNAPL density of 0.85 g/cm3

WELL I.D.	Top of Riser (ft AMSL)	8/11/2014			11/24/2014			4/1/2015			7/13/2015			
		DTW (fbgs)	DTP (fbgs)	GW ELEV (famsl)	DTW (fbgs)	DTP (fbgs)	GW ELEV (famsl)	DTW (fbgs)	DTP (fbgs)	GW ELEV (famsl)	DTW (fbgs)	DTP (fbgs)	GW ELEV (famsl)	
4009-1	831.98	7.75	NP	824.23	7.80	NP	824.18	7.64	NP	824.34	6.89	NP	825.09	
4009-2	827.78	19.77	NP	808.01	20.22	NP	807.56	19.22	NP	808.56	18.11	NP	809.67	
4009-3	823.47	17.94	NP	805.53	17.23	NP	806.24	15.90	NP	807.57	14.87	NP	808.60	
4009-4	822.22	13.87	NP	808.35	13.65	NP	808.57	12.22	NP	810.00	10.80	NP	811.42	
4009-5	824.36	21.94	NP	802.42	18.85	NP	805.51	17.80	NP	806.56	16.77	NP	807.59	
4009-6	827.73	21.80	NP	805.93	21.73	NP	806.00	20.48	NP	807.25	19.23	NP	808.50	
4009-7	824.27	20.22	NP	804.05	19.34	NP	804.93	17.74	NP	806.53	16.53	NP	807.74	
4009-8	824.52	20.96	NP	803.56	20.24	NP	804.28	18.26	NP	806.26	17.05	NP	807.47	
4009-9	825.05	21.84	NP	803.21	21.28	NP	803.77	19.23	NP	805.82	18.02	NP	807.03	
4009-10	831.31	27.88	NP	803.43	27.43	NP	803.88	25.48	NP	805.83	24.16	NP	807.15	
4009-11	830.06	28.36	NP	801.70	26.51	NP	803.55	24.89	NP	805.17	24.72	NP	805.34	
4009-11A	830.80	16.69	NP	814.11	20.43	NP	810.37	14.94	NP	815.86	14.77	NP	816.03	
4009-12	823.34	20.90	NP	802.44	19.22	NP	804.12	17.45	NP	805.89	17.34	NP	806.00	
4009-12A	823.80	21.35	NP	802.45	20.05	NP	803.75	17.91	NP	805.89	17.79	NP	806.01	
4009-13	816.28	13.60	NP	802.68	12.07	NP	804.21	10.37	NP	805.91	10.09	NP	806.19	
4009-13A	816.17	13.00	NP	803.17	11.93	NP	804.24	10.09	NP	806.08	9.38	NP	806.79	
4009-14	820.71	18.07	NP	802.64	16.57	NP	804.14	14.80	NP	805.91	14.66	NP	806.05	
4009-15	826.54	24.18	NP	802.36	22.53	NP	804.01	20.76	NP	805.78	20.85	NP	805.69	
4009-16	826.72	24.30	NP	802.42	22.70	NP	804.02	20.93	NP	805.79	26.87	NP	799.85	
4009-16A	826.84	24.31	NP	802.53	22.72	NP	804.12	20.94	NP	805.90	27.03	NP	799.81	
4009-17	820.53	17.66	NP	802.87	17.18	NP	803.35	14.55	NP	805.98	14.25	NP	806.28	
4009-18	834.78	32.23	NP	802.55	30.73	NP	804.05	26.51	NP	808.27	29.02	NP	805.76	
4009-19	824.94	22.42	NP	802.52	20.91	NP	804.03	19.15	NP	805.79	19.19	NP	805.75	
4009-20	822.90	20.25	NP	802.65	18.69	NP	804.21	17.04	NP	805.86	17.29	NP	805.61	
4009-21	825.02	**	20.55	NP	802.55	19.03	NP	804.07	19.33	NP	805.69	19.41	NP	805.61
4009-22	817.40	14.03	NP	803.37	13.27	NP	804.13	11.55	NP	805.85	9.90	NP	807.50	
4009-23S	824.48	17.74	NP	806.74	18.33	NP	806.15	17.02	NP	807.46	14.17	NP	810.31	
4009-23D	824.39	20.50	NP	803.89	19.23	NP	805.16	17.93	NP	806.46	16.90	NP	807.49	
4009-24	822.32	16.94	NP	805.38	16.15	NP	806.17	16.19	NP	806.13	13.82	NP	808.50	
4009-25S	823.61	15.87	NP	807.74	16.00	NP	807.61	14.81	NP	808.80	13.73	NP	809.88	
4009-25D	823.57	15.85	NP	807.72	16.00	NP	807.57	14.75	NP	808.82	13.65	NP	809.92	
4009-26	824.31	20.62	NP	803.69	19.92	NP	804.39	17.94	NP	806.37	16.75	NP	807.56	
4009-27S	826.19	23.29	NP	802.90	22.02	NP	804.17	20.27	NP	805.92	19.56	NP	806.63	
4009-27I	826.03	23.18	NP	802.85	21.85	NP	804.18	20.03	NP	806.00	19.58	NP	806.45	
4009-27D	825.87	23.02	NP	802.85	21.65	NP	804.22	19.86	NP	806.01	19.41	NP	806.46	
4009-28	821.59	19.23	NP	802.36	17.65	NP	803.94	15.80	NP	805.79	15.72	NP	805.87	
4009-29S	825.77	23.03	NP	802.74	21.60	NP	804.17	19.80	NP	805.97	19.40	NP	806.37	
4009-29I	825.68	23.22	NP	802.46	21.61	NP	804.07	19.89	NP	805.79	19.63	NP	806.05	
4009-29D	825.67	23.18	NP	802.49	21.60	NP	804.07	19.86	NP	805.81	19.81	NP	805.86	
4009-30	827.50	**	NM	NM	NM	NM	NM	21.32	NP	806.18	20.81	NP	806.69	
4009-30A	826.69	**	NM	NM	NM	NM	NM	20.82	NP	805.87	20.97	NP	805.72	
WELL 1-1	832.36	30.00	NP	802.36	28.33	NP	804.03	26.56	NP	805.80	26.46	NP	805.90	
WELL 1-1A	831.13	23.03	NP	808.10	27.10	NP	804.03	24.21	NP	806.92	25.37	NP	805.76	
ERT-1S	824.01	13.96	12.95	809.19	14.96	14.02	808.25	13.36	12.48	809.90	9.55	8.60	813.65	
ERT-1I	824.03	15.17	NP	808.86	15.23	NP	808.80	13.83	NP	810.20	12.46	NP	811.57	
ERT-1D	823.88	15.29	NP	808.59	15.18	NP	808.70	13.80	NP	810.08	10.80	10.72	813.01	
ERT-2S	824.67	*	15.66	NP	809.01	15.81	NP	808.86	14.50	NP	810.17	13.11	NP	811.56
ERT-2I	824.54	*	15.60	NP	808.94	15.71	15.70	808.83	14.36	NP	810.18	13.08	NP	811.46
ERT-2D	824.44	*	14.97	14.96	809.46	15.28	NP	809.16	14.21	NP	810.23	12.80	NP	811.64
ERT-3S	824.38	14.14	NP	810.24	15.09	NP	809.29	13.94	NP	810.44	11.21	NP	813.17	
ERT-3I	824.23	15.73	NP	808.50	15.85	NP	808.38	14.53	NP	809.70	13.21	NP	811.02	
ERT-3D	824.20	16.72	16.71	807.47	16.20	NP	808.00	15.01	NP	809.19	13.75	NP	810.45	
ERT-4S	823.54	Dry	NP	--	Dry	NP	--	13.18	NP	810.36	11.81	NP	811.73	
ERT-4I	823.49	5.58	NP	817.91	15.70	NP	807.79	14.46	NP	809.03	13.31	13.30	810.17	
ERT-4D	823.63	15.70	NP	807.93	15.90	NP	807.73	14.64	NP	808.99	13.51	13.49	810.10	
ERT-5	824.64	*	15.28	NP	809.36	14.93	NP	809.71	13.68	NP	810.96	12.45	NP	812.19
ERT-6	824.74	*	16.03	NP	808.71	15.64	NP	809.10	14.39	NP	810.35	13.13	NP	811.61
ERT-7	823.96	17.61	NP	806.35	16.80	NP	807.16	15.68	NP	808.28	14.45	NP	809.51	
ERT-8	824.69	18.57	NP	806.12	17.66	NP	807.03	16.56	NP	808.13	15.43	NP	809.26	

Notes:
fbgs - feet below ground surface
famsl - feet above mean sea level
* - Elevation data from Conceptual Site Model (Lockheed Martin, 2012).
** - Elevation data remeasured on 4/1/15 after well repairs
NM - Not measured
NP - No product / LNAPL
■ Corrected based on assumed LNAPL density of 0.85 g/cm³

Sample ID	NYSDEC GA Standard ug/L	4009-11A 7/29/2015 shallow ug/L	4009-12 2/20/2014 Deep ug/L	4009-12 5/28/2014 Deep ug/L	4009-12 8/28/2014 Deep ug/L	4009-12 12/9/2014 Deep ug/L	4009-12 4/20/2015 Deep ug/L	4009-12 7/29/2015 Deep ug/L	DUP_01 ⁴ 7/29/2015 Deep ug/L	4009-12A 2/20/2014 Intermediate ug/L	4009-12A 5/28/2014 Intermediate ug/L	4009-12A 8/28/2014 Intermediate ug/L	4009-12A 12/9/2014 Intermediate ug/L	4009-12A 4/20/2015 Intermediate ug/L	4009-12A 7/29/2015 Intermediate ug/L	4009-13 2/20/2014 Deep ug/L	4009-13 5/28/2014 Deep ug/L	4009-13 8/28/2014 Deep ug/L	4009-13 12/9/2014 Deep ug/L
1,1,1-Trichloroethane	5	1.0 U	32	43	1.0 U	290	1.0 U	180	240	34	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
1,1,2-Trichloroethane	5	1.0 U	4.0	6.5	1.0 U	29	1.8	25	24	4.3	7.8	4.3	2.8	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
1,1-Dichloroethane	5	1.0 U	3.4	6.1	1.0 U	30	1.0 U	20	29	3.8	1.3	0.6 J	0.53 J	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
1,2,3-Trimethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	110 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	5.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	5.0 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
1,2,4-Trimethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 U	1.0 U	44 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	2.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	2.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	220 U	10 U	50 U	50 U	10 U	10 U	10 U	10 U	NS	NS	10 U	10 U	10 UJ	10 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	220 U	5.0 U	25 U	25 U	5.0 U	5.0 U	5.0 U	10 U	NS	NS	5.0 U	5.0 U	5.0 UJ	10 U
4-Methyl-2-pentanone (MIBK)	50*	5.0 U	5.0 U	5.0 U	5.0 U	220 U	5.0 U	25 U	25 U	5.0 U	5.0 U	5.0 U	10 U	NS	NS	5.0 U	5.0 U	5.0 UJ	10 U
Acetone	50*	10 U	5.8 J	3.8 J	7.0 J	220 U	7.1 J	50 U	50 U	9.9 J	3.9 J	10 U	10 U	NS	NS	8.4 J	3.8 J	10 UJ	10 U
Benzene	1	1.0 U	1.0 U	1.5	1.6	22 U	2.7	2.9 J	5.0 U	1.0 U	1.0 U	0.57 J	0.31 J	NS	NS	1.0 U	0.42 J	4.8 J	1.0
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Bromoform	50*	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Carbon disulfide	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	7.5	7.0	4.1	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Chloromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	13	9.5	8.5	63	4.1	41	56	15	18	15	14	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Cyclohexane	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U*
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Isopropylbenzene (Cumene)	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Methyl Acetate	2.5	2.5 U	2.5 U	2.5 U	2.5 U	220 U	2.5 U	13 U	13 U	2.5 U	2.5 U	2.5 U	10 U	NS	NS	2.5 U	2.5 U	2.5 UJ	10 U
Methyl Cyclohexane	1	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Methylene Chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1 U*	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U*
Toluene	5	1.0 U	1.0 U	0.8 J	0.74 J	22 U	1.0 U	5.0 U	5.0 U	1.0 U	0.55 J	0.53 J	1 U	NS	NS	1.0 U	3.7	2.7 J	0.55 J
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1 U*	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U*
Trichloroethene	5	1.0 U	17	18	1.0 U	64	1.0 U	39	54	19	2.2	1.0	0.30 J	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	22 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1 U	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Vinyl chloride	2	1.0 U	6.1	3.7	0.9 J	30	2.3	51	41	6.4	1.0 U	1.7	6.5	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 U
Xylenes, Total		2.0 U	2.0 U	2.0 U	2.0 U	44 U	2.0 U	10 U	10.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NS	NS	2.0 U	2.0 U	2.0 UJ	2.0 U
Total VOCs		0	81.3	93.9	18.7	506	18.0	359	444	92.4	41.3	30.7	28.5	NS	NS	8.4	7.92	7.5	1.55
Total VOCs (w/o Acetone or Methylene Chloride)		0	75.5	90.1	11.7	506	10.9	359	444	82.5	37.4	30.7	28.5	NS	NS	0	4.12	7.5	1.55

Notes
 NYSDEC GA GW Standard - New York State Department of Environmental Conservation Groundwater Standard
 - Concentration exceeds NYSDEC Class GA Standard
 U - Compound was not detected at the indicated concentration
 J - Compound detected below the reporting limit or reported concentration is estimated.
 B - Analyte detected in the method blank and sample
 E - Estimated value.
 D- Result of diluted sample shown
 * - Laboratory control sample / duplicate exceeds control limits.
 1-This is a duplicate sample from 4009-291
 NS - not sampled

Sample ID	NYSDEC GA	4009-23D 7/29/2015	4009-24 2/20/2014	4009-24 5/28/2014	4009-24 8/28/2014	4009-24 12/9/2014	4009-24 4/20/2015	4009-24 7/29/2015	4009-25S 2/20/2014	4009-25S 5/28/2014	4009-25S 8/28/2014	4009-25S 12/9/2014	4009-25S 4/20/2015	4009-25S 7/29/2015	4009-25D 2/20/2014	4009-25D 5/28/2014	4009-25D 8/28/2014
Sampling Date	Standard	Intermediate	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Groundwater Monitoring Zone	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Units																	
1,1,1-Trichloroethane	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	2600 D	3300	9900 DJ	3800	NS	NS	1900 D	3300	820 DJ
1,1,2,2-Tetrachloroethane	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
1,1,2-Trichloro-1,2,2-Trifluoroethane		NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	31	40 U	40 UDJ	32 J	NS	NS	32	22 J	19 DJ
1,1,2-Trichloroethane	1	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
1,1-Dichloroethane	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	87	140	120 DJ	99	NS	NS	74	120	53 DJ
1,1-Dichloroethene	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	110 D	410	650 DJ	280	NS	NS	120 D	330	57 DJ
1,2,3-Trimethylbenzene		NS	1.0 U	1.0 U	1.0 UJ	5.0 U	NS	NS	40 UD	40 U	40 UDJ	250 U	NS	NS	20 UD	20 U	20 UDJ
1,2,4-Trichlorobenzene	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
1,2,4-Trimethylbenzene	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	40 UD	40 U	40 UDJ	50 U	NS	NS	20 UD	20 U	20 UDJ
1,2-Dibromo-3-Chloropropane	0.04	NS	1.0 U	1.0 U	1.0 UJ	2.0 U	NS	NS	1.0 U	40 U	40 UDJ	100 U	NS	NS	1.0 U	20 U	20 UDJ
1,2-Dibromoethane (Ethylene Dibromide)	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
1,2-Dichlorobenzene	3	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
1,2-Dichloroethane	0.6	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
1,2-Dichloropropane	1	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
1,3,5-Trimethylbenzene (Mesitylene)	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	40 UD	40 U	40 UDJ	50 U	NS	NS	20 UD	20 U	20 UDJ
1,3-Dichlorobenzene	3	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
1,4-Dichlorobenzene	3	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
2-Butanone (MEK)	50	NS	1.4 J	10 U	10 UJ	10 U	NS	NS	10 U	400 U	400 UDJ	500 U	NS	NS	10 U	200 U	200 UDJ
2-Hexanone	50*	NS	5.0 U	5.0 U	5.0 UJ	10 U	NS	NS	5.0 U	200 U	200 UDJ	500 U	NS	NS	5.0 U	100 U	100 UDJ
4-Methyl-2-pentanone (MIBK)		NS	5.0 U	5.0 U	5.0 UJ	10 U	NS	NS	5.0 U	200 U	200 UDJ	500 U	NS	NS	5.0 U	100 U	100 UDJ
Acetone	50*	NS	9.3 J	4.2 J	10 UJ	10 U	NS	NS	10 U	400 U	400 UDJ	500 U	NS	NS	6.0 J	200 U	200 UDJ
Benzene	1	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Bromodichloromethane	50	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Bromoform	50*	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U*	NS	NS	1.0 U	20 U	20 UDJ
Bromomethane	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Carbon disulfide		NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Carbon tetrachloride	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Chlorobenzene	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Chloroethane	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Chloroform	7	NS	1.0 U	1.0 U	0.44 J	0.48 J	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Chloromethane		NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
cis-1,2-Dichloroethene	5	NS	1.0 U	1.0 U	2.2 J	1.0 U	NS	NS	180 D	210	490 DJ	260	NS	NS	76	110	100 DJ
cis-1,3-Dichloropropene	0.4	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Cyclohexane		NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Dibromochloromethane	50	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Dichlorodifluoromethane	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Ethylbenzene	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Isopropylbenzene (Cumene)	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Methyl Acetate		NS	2.5 U	2.5 U	2.5 UJ	10 U	NS	NS	2.5 U	100 U	100 UDJ	500 U	NS	NS	2.5 U	50 U	50 UDJ
Methyl Cyclohexane		NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Methylene Chloride	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Methyl Tert Butyl Ether	10	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Styrene	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Tetrachloroethene	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Toluene	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
trans-1,2-Dichloroethene	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	2.9	40 U	40 UDJ	50 U	NS	NS	2.0	20 U	20 UDJ
trans-1,3-Dichloropropene	0.4	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Trichloroethene	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	32	40 U	2900 DJ	230	NS	NS	16	10 J	21 DJ
Trichlorofluoromethane	5	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	1.0 U	40 U	40 UDJ	50 U	NS	NS	1.0 U	20 U	20 UDJ
Vinyl chloride	2	NS	1.0 U	1.0 U	1.0 UJ	1.0 U	NS	NS	3.7	40 U	40 UDJ	29 J	NS	NS	1.4	20 U	20 UDJ
Xylenes, Total		NS	2.0 U	2.0 U	2.0 UJ	2.0 U	NS	NS	2.0 U	80 U	80 UDJ	100 U	NS	NS	2.0 U	40 U	40 UDJ
Total VOCs		NS	10.7	4.2	2.64	0.48	NS	NS	3047	4060	14060	4730	NS	NS	2227	3892	1070
Total VOCs (w/o Acetone or Methylene Chloride)		NS	1.4	0	2.64	0.48	NS	NS	3047	4060	14060	4730	NS	NS	2221	3892	1070

Notes
 NYSDEC GA GW Standard - New York State Department of Environmental Conservation Groundwater Standard
 - Concentration exceeds NYSDEC Class GA Standard
 U - Compound was not detected at the indicated concentration
 J - Compound detected below the reporting limit or reported concentration is estimated.
 B - Analyte detected in the method blank and sample
 E - Estimated value.
 D - Result of diluted sample shown
 * - Laboratory control sample / duplicate exceeds control limits.
 1 - This is a duplicate sample from 4009-291
 NS - not sampled

Sample ID	NYSDEC GA	4009-29S 12/9/2014	4009-29S 4/20/2015	4009-29S 7/29/2015	4009-29I 2/20/2014	4009-29I 5/28/2014	4009-29I 8/28/2014	4009-29I 12/9/2014	4009-29I 4/20/2015	4009-29I 7/29/2015	DUP_02' 7/29/2015	4009-29D 2/20/2014	4009-29D 5/28/2014	4009-29D 8/28/2014	4009-29D 12/9/2014	4009-29D 4/20/2015	4009-29D 7/29/2015
Sampling Date	Standard ug/L	Intermediate ug/L	Intermediate ug/L	Intermediate ug/L	Intermediate ug/L	Intermediate ug/L	Intermediate ug/L	Intermediate ug/L	Intermediate ug/L	Intermediate ug/L	Intermediate ug/L	Deep ug/L	Deep ug/L	Deep ug/L	Deep ug/L	Deep ug/L	Deep ug/L
Groundwater Monitoring Zone																	
Units																	
1,1,1-Trichloroethane	5	480	830	850	1700 D	1600	130 DJ	1100	1500	1700	1700	1.0 U	80	1200 DJ	170	290	30
1,1,2,2-Tetrachloroethane	5	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	17 U	17 U	8.7 J	7.3 J	21	25 U	2.0 UDJ	15 J	15 J	40 U	20	1.0 U	1.1	14	2.9 J	3.6 J	1.0 U
1,1,1-Trichloroethane	1	17 U	20 U	20 U	0.86 J	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	0.65 J	5.7 U	5.0 U	1.0 U
1,1-Dichloroethane	5	29	38	55	83	96	21 DJ	82	100	100	97	1.1	16	150 DJ	27	51	12
1,1-Dichloroethene	5	33	37	130	150 D	230	6.4 DJ	92	85	240	240	1.0 U	12	130 DJ	27	29	5.7
1,2,3-Trimethylbenzene	83 U	20 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	200 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	29 U	5.0 U	1.0 U
1,2,4-Trichlorobenzene	5	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
1,2,4-Trimethylbenzene	5	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	33 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	80 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	11 U	5.0 U	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
1,2-Dichlorobenzene	3	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
1,2-Dichloroethane	0.6	17 U	20 U	20 U	0.41 J	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	0.72 J	5.7 U	5.0 U	1.0 U
1,2-Dichloropropane	1	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
1,3-Dichlorobenzene	3	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
1,4-Dichlorobenzene	3	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
2-Butanone (MEK)	50	170 U	200 U	200 U	10 U	250 U	20 UDJ	400 U	400 U	400 U	200 U	10 U	10 U	10 U	57 U	50 U	10 U
2-Hexanone	50*	170 U	100 U	100 U	5.0 U	130 U	10 UDJ	400 U	200 U	200 U	100 U	5.0 U	5.0 U	5.0 U	57 U	25 U	5.0 U
4-Methyl-2-pentanone (MIBK)	170 U	100 U	100 U	100 U	5.0 U	130 U	10 UDJ	400 U	200 U	200 U	100 U	5.0 U	5.0 U	5.0 U	57 U	25 U	5.0 U
Acetone	50*	170 U	200 U	200 U	11	250 U	12 DJ	400 U	400 U	400 U	200 U	6.9 J	10 U	10 U	57 U	50 U	10 U
Benzene	1	17 U	20 U	20 U	0.59 J	25 U	41 DJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	0.72 J	5.7 U	5.0 U	0.70 J
Bromodichloromethane	50	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Bromoform	50*	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Bromomethane	5	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Carbon disulfide	17 U	20 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Carbon tetrachloride	5	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Chlorobenzene	5	17 U	20 U	20 U	1.6	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Chloroethane	5	17 U	20 U	20 U	5.0	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.4	8.8 DJ	5.7 U	2.5 J	1.0 U
Chloroform	7	17 U	20 U	20 U	1.1	25 U	1.1 DJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	0.83 J	5.7 U	5.0 U	1.0 U
Chloromethane	17 U	20 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
cis-1,2-Dichloroethene	5	270	320	480	400 D	400	53 DJ	330	380	530	520	1.4	25	400 DJ	150	210	37
cis-1,3-Dichloropropene	0.4	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Cyclohexane	17 U	20 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Dibromochloromethane	50	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Dichlorodifluoromethane	5	17 U	20 U	20 U	1.2	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.5	5.7 U	5.0 U	1.0 U
Ethylbenzene	5	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Isopropylbenzene (Cumene)	5	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Methyl Acetate	170 U	20 U	20 U	20 U	2.5 U	63 U	5.0 UDJ	400 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	57 U	13 U	2.5 U
Methyl Cyclohexane	17 U	20 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Methylene Chloride	5	5.6 J B	20 U	20 U	1.0 U	25 U	1.2 DJ	14 J B	18 J	40 U	20 U	1.0 U	1.0 U	1.0 U	2.0 J B	5.0 U	1.0 U
Methyl Tert Butyl Ether	10	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Styrene	5	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Tetrachloroethene	5	17 U	20 U	20 U	2.1	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0	5.7 U	5.0 U	1.0 U
Toluene	5	17 U	20 U	20 U	1.0 U	25 U	3.7 DJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
trans-1,2-Dichloroethene	5	17 U	20 U	20 U	3.4	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.8	5.7 U	5.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	17 U	20 U	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Trichloroethene	5	3.5 J	20 U	20 U	450 D	460	34 DJ	360	410	550	550	1.8	17	400 DJ	26	20	0.78 J
Trichlorofluoromethane	5	17 U	20 U	20 U	0.94 J	25 U	2.0 UDJ	40 U	40 U	40 U	20 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U
Vinyl chloride	2	16 J	24	65	85	85	6.6 DJ	78	92	140	140	4.7	12	170 DJ	34	55	7.8
Xylenes, Total	33 U	40 U	40 U	40 U	2.0 U	50 U	4.0 UDJ	80 U	80 U	80 U	40 U	2.0 U	2.0 U	2.0 U	11 U	10 U	2.0 U
Total VOCs		837	1257.7	1587	2917	2871	310	2071	2600	3260	3267	15.9	165	2480	439	674	94.0
Total VOCs (w/o Acetone or Methylene Chloride)		832	1257.7	1587	2906	2871	297	2057	2582	3260	3267	9.0	165	2480	437	674	94.0

Notes
 NYSDEC GA GW Standard - New York State Department of Environmental Conservation Groundwater Standard
 - Concentration exceeds NYSDEC Class GA Standard
 U - Compound was not detected at the indicated concentration
 J - Compound detected below the reporting limit or reported concentration is estimated.
 B - Analyte detected in the method blank and sample
 E - Estimated value.
 D - Result of diluted sample shown
 * - Laboratory control sample / duplicate exceeds control limits.
 1 - This is a duplicate sample from 4009-29I
 NS - not sampled

Sample ID Sampling Date Groundwater Monitoring Zone Units	NYSDEC GA Standard ug/L	4009-30 4/20/2015 Deep ug/L	4009-30 7/29/2015 Deep ug/L	4009-30A 4/20/2015 Shallow ug/L	4009-30A 7/29/2015 Shallow ug/L	Well 1-1 4/20/2015 Deep ug/L	Well 1-1 7/29/2015 Deep ug/L
1,1,1-Trichloroethane	5	0.98 J	1.0 U	1.0 U	1.0 U	220	240
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	1.0 U	1.0 U	1.0 U	4.1	5.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
1,1-Dichloroethane	5	0.86 J	0.82 J	1.0 U	1.0 U	15	18
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	10	30
1,2,3-Trimethylbenzene		1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
1,2,4-Trimethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
1,2,4-Trimethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	40 U	50 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	20 U	25 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5.0 U	5.0 U	20 U	25 U
Acetone	50*	7.0 J	10 U	6.9 J	10 U	40 U	50 U
Benzene	1	1.0 U	1.0 U	0.75 J	2.5	4.0 U	5.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Bromoforn	50*	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Carbon disulfide		1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Chloromethane		1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	39	66
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Isopropylbenzene (Cumene)	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Methyl Acetate		2.5 U	2.5 U	2.5 U	2.5 U	10 U	13 U
Methyl Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Methylene Chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	41	64
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Xylenes, Total		2.0 U	2.0 U	2.0 U	2.0 U	8.0 U	10 U
Total VOCs		8.84	0.82	7.65	2.5	329	418
Total VOCs (w/o Acetone or Methylene Chloride)		1.84	0.82	0.75	2.5	329	418

Notes
NYSDEC GA GW Standard - New York State Department of Environmental Conservation Groundwater Standard
- Concentration exceeds NYSDEC Class GA Standard
U - Compound was not detected at the indicated concentration
J - Compound detected below the reporting limit or reported concentration is estimated.
B - Analyte detected in the method blank and sample
E - Estimated value.
D - Result of diluted sample shown
* - Laboratory control sample / duplicate exceeds control limits.
1-This is a duplicate sample from 4009-291
NS - not sampled

Sample ID	NYSDEC GA Standard	Well 1-2A Influent 7/22/2014 ug/L	Well 1-2A Influent 7/30/2014 ug/L	Well 1-2A Influent 8/18/2014 ug/L	Well 1-2A Influent 8/28/2014 ug/L	Well 1-2A Influent 9/29/2014 ug/L	Well 1-2A Influent 9/30/2014 ug/L	Well 1-2A Influent 10/21/2014 ug/L	Well 1-2A Influent 10/28/2014 ug/L	Well 1-2A Influent 11/11/2014 ug/L	Well 1-2A Influent 11/24/2014 ug/L	Well 1-2A Influent 12/9/2014 ug/L	Well 1-2A Influent 12/18/2014 ug/L	Well 1-2A Influent 1/20/2015 ug/L	Well 1-2A Influent 1/29/2015 ug/L	Well 1-2A Influent 2/25/2015** ug/L
1,1,1-Trichloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
1,1,2,2-Tetrachloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
1,1,2-Trichloro-1,2,2-Trifluoroethane		NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS
1,1,2-Trichloroethane	1	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
1,1-Dichloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
1,1-Dichloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
1,2,3-Trimethylbenzene		NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	5.0 U	NA	NA	1.0 U	NS
1,2,4-Trichlorobenzene	5	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
1,2,4-Trichlorobenzene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
1,2-Dibromo-3-Chloropropane	0.04	NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	2.0 U	NA	NA	1.0 U	NS
1,2-Dibromoethane (Ethylene Dibromide)	5	NA	1.0 U	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS
1,2-Dichlorobenzene	3	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
1,2-Dichloroethane	0.6	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
1,2-Dichloropropane	1	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
1,3,5-Trimethylbenzene (Mesitylene)	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
1,3-Dichlorobenzene	3	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
1,4-Dichlorobenzene	3	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
2-Butanone (MEK)	50	NA	10 U	NA	10 U	10.0 U	NA	10 U	NA	NA	10 U	10 U	NA	NA	10 U	NS
2-Hexanone	50*	NA	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	NA	NA	5.0 U*	10 U	NA	NA	5.0 U	NS
4-Methyl-2-pentanone (MIBK)		NA	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	NA	NA	5.0 U	10 U	NA	NA	5.0 U	NS
Acetone	50*	NA	10 U	NA	10 U	10.0 U	NA	10 U	NA	NA	10 U	10 U	NA	NA	10 U	NS
Benzene	1	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
Bromodichloromethane	50	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS
Bromoform	50*	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS
Bromomethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
Carbon disulfide		0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS
Carbon tetrachloride	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
Chlorobenzene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
Chloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
Chloroform	7	NA	1.0 U	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS
Chloromethane		0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
cis-1,2-Dichloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
cis-1,3-Dichloropropene	0.4	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	5 U	0.5 U	1.0 U	NS
Cyclohexane		NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS
Dibromochloromethane	50	NA	1.0 U	NA	1.0 U	1.0 U	NA	1.0 U*	NA	NA	1.0 U*	1.0 U	NA	NA	1.0 U	NS
Dichlorodifluoromethane	5	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U*	1.0 U	0.5 U	0.5 U	1.0 U	NS
Ethylbenzene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
Isopropylbenzene (Cumene)	5	NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	0.5 U	1.0 U	NS
Methyl Acetate		NA	NA	NA	2.5 U	NA U	NA	2.5 U	NA	NA	2.5 U	10 U	NA	NA	2.5 U	NS
Methyl Cyclohexane		NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS
Methylene Chloride	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
Methyl Tert Butyl Ether	10	NA	1.0 U	NA	1.0 U	1.0 U	NA	1.0 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
Styrene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
Tetrachloroethene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
Toluene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
trans-1,2-Dichloroethene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
trans-1,3-Dichloropropene	0.4	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
Trichloroethene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
Trichlorofluoromethane	5	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
Vinyl chloride	2	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS
Xylenes, Total		0.5 U	2.0 U	0.5 U	2.0 U	2.0 U	0.5 U	2.0 U	1.5 U	0.5 U	2.0 U	2.0 U	0.5 U	0.5 U	2.0 U	NS
Total VOCs		0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Notes
 NYSDEC GA GW Standard - New York State Department
 of Environmental Conservation Groundwater Standard
 * - Concentration exceeds NYSDEC Class GA Standard
 NA - Not Analyzed
 NS - Not Sampled
 U - Compound was not detected at the indicated concentration
 * LCS or LCSD exceeds the control limits
 ** Well 1-2A was frozen and unable to be sampled

Sample ID	NYSDEC GA Standard ug/L	Well 1-2A Influent 2/25/2015** ug/L	Well 1-2A Influent 3/12/2015** ug/L	Well 1-2A Influent 3/19/2015** ug/L	Well 1-2A Influent 4/9/2015 ug/L	Well 1-2A Influent 4/20/2015 ug/L	Well 1-2A Influent 5/6/2015 ug/L	Well 1-2A Influent 5/12/2015 ug/L	Well 1-2A Influent 6/9/2015 ug/L	Well 1-2A Influent 6/25/2015 ug/L	Well 1-2A Influent 7/14/2015 ug/L	Well 1-2A Influent 7/29/2015 ug/L	Well 1-2A Influent 8/11/2015 ug/L	Well 1-2A Influent 8/28/2015 ug/L	Well 1-2A Influent 9/15/2015 ug/L	Well 1-2A Influent 9/24/2015 ug/L
1,1,1-Trichloroethane	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,1-Dichloroethane	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,1-Dichloroethane	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,2,3-Trimethylbenzene	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,2,4-Trichlorobenzene	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,2,4-Trimethylbenzene	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	0.5 U	1.0 U	NA	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	NS	NS	NS	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	0.5 U	1.0 U	NA	1.0 U
1,2-Dichlorobenzene	3	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,2-Dichloroethane	0.6	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,2-Dichloropropane	1	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,3-Dichlorobenzene	3	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,4-Dichlorobenzene	3	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
2-Butanone (MEK)	50	NS	NS	NS	NA	10 U	10 U	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
2-Hexanone	50*	NS	NS	NS	NA	5.0 U	5.0 U	NA	NA	5.0 U	NA	5.0 U	NA	5.0 U	NA	5.0 U
4-Methyl-2-pentanone (MIBK)	50*	NS	NS	NS	NA	5.0 U	5.0 U	NA	NA	5.0 U	NA	5.0 U	NA	5.0 U	NA	5.0 U
Acetone	50*	NS	NS	NS	NA	10 U	10 U	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Benzene	1	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Bromodichloromethane	50	NS	NS	NS	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	0.5 U	1.0 U	NA	1.0 U
Bromoform	50*	NS	NS	NS	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	0.5 U	1.0 U	NA	1.0 U
Bromomethane	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Carbon disulfide		NS	NS	NS	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U
Carbon tetrachloride	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Chlorobenzene	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Chloroethane	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Chloroform	7	NS	NS	NS	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	0.5 U	1.0 U	NA	1.0 U
Chloromethane		NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
cis-1,2-Dichloroethane	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
cis-1,3-Dichloropropene	0.4	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Cyclohexane		NS	NS	NS	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U
Dibromochloromethane	50	NS	NS	NS	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Dichlorodifluoromethane	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Ethylbenzene	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Isopropylbenzene (Cumene)	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Methyl Acetate		NS	NS	NS	NA	2.5 U	2.5 U	NA	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	2.5 U
Methyl Cyclohexane		NS	NS	NS	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U
Methylene Chloride	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Methyl Tert Butyl Ether	10	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U
Styrene	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Tetrachloroethene	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Toluene	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
trans-1,2-Dichloroethene	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
trans-1,3-Dichloropropene	0.4	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Trichloroethene	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Trichlorofluoromethane	5	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Vinyl chloride	2	NS	NS	NS	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Xylenes, Total		NS	NS	NS	0.5 U	2.0 U	2.0 U	1.5 U	0.5 U	2.0 U	0.5 U	2.0 U	0.5 U	2.0 U	0.5 U	2.0 U
Total VOCs					0	0	0	0	0	0	0	0	0	0	0	0

Notes
 NYSDEC GA GW Standard - New York State Department
 of Environmental Conservation Groundwater Standard
 - Concentration exceeds NYSDEC Class GA Standard
 NA - Not Analyzed
 NS - Not Sampled
 U - Compound was not detected at the indicated concentration
 * LCS or LCSD exceeds the control limits
 ** Well 1-2A was frozen and unable to be sampled

Sample ID	NYSDEC GA Standard ug/L	Well 1-3 Influent 7/22/2014 ug/L	Well 1-3 Influent 7/30/2014 ug/L	Well 1-3 Influent 8/18/2014 ug/L	Well 1-3 Influent 8/28/2014 ug/L	Well 1-3 Influent 9/29/2014 ug/L	Well 1-3 Influent 9/30/2014 ug/L	Well 1-3 Influent 10/21/2014 ug/L	Well 1-3 Influent 10/28/2014 ug/L	Well 1-3 Influent 11/11/2014 ug/L	Well 1-3 Influent 11/24/2014 ug/L	Well 1-3 Influent 12/9/2014 ug/L	Well 1-3 Influent 12/18/2014 ug/L	Well 1-3 Influent 1/20/2015 ug/L	Well 1-3 Influent 1/29/2015 ug/L
1,1,1-Trichloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
1,1,2,2-Tetrachloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		NA	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U
1,1,2-Trichloroethane	1	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
1,1-Dichloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
1,1-Dichloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
1,2,3-Trimethylbenzene		NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	5.0 U	NA	NA	1.0 U
1,2,4-Trichlorobenzene	5	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
1,2,4-Trimethylbenzene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	2.0 U	NA	NA	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	NA	1.0 U	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U
1,2-Dichlorobenzene	3	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
1,2-Dichloroethane	0.6	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
1,2-Dichloropropane	1	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
1,3-Dichlorobenzene	3	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
1,4-Dichlorobenzene	3	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
2-Butanone (MEK)	50	NA	10 U	NA	10 U	10.0 U	NA	10 U	NA	NA	10 U	10 U	NA	NA	10 U
2-Hexanone	50*	NA	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	NA	NA	5.0 U*	10 U	NA	NA	5.0 U
4-Methyl-2-pentanone (MIBK)		NA	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	NA	NA	5.0 U	10 U	NA	NA	5.0 U
Acetone	50*	NA	10 U	NA	10 U	10.0 U	NA	10 U	NA	NA	10 U	10 U	NA	NA	10 U
Benzene	1	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
Bromodichloromethane	50	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	NA	1.0 U	1.0 U	NA	NA	1.0 U
Bromoform	50*	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	NA	1.0 U	1.0 U	NA	NA	1.0 U
Bromomethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
Carbon disulfide		0.5 U	1.0 U	0.5 U	1 U	1.0 U	0.5 U	1.0 U	0.5 U	NA	1.0 U	1.0 U	NA	NA	1.0 U
Carbon tetrachloride	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
Chlorobenzene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
Chloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
Chloroform	7	NA	1.0 U	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U
Chloromethane		0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
cis-1,2-Dichloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
cis-1,3-Dichloropropene	0.4	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	5 U	0.5 U	1.0 U
Cyclohexane		NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U
Dibromochloromethane	50	NA	1.0 U	NA	1.0 U	1.0 U	NA	1.0 U*	NA	NA	1.0 U*	1.0 U	NA	NA	1.0 U
Dichlorodifluoromethane	5	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U*	1.0 U	0.5 U	0.5 U	1.0 U
Ethylbenzene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
Isopropylbenzene (Cumene)	5	NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	0.5 U	1.0 U
Methyl Acetate		NA	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	10 U	NA	NA	2.5 U
Methyl Cyclohexane		NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U
Methylene Chloride	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
Methyl Tert Butyl Ether	10	NA	1.0 U	NA	1.0 U	1.0 U	NA	1.0 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
Styrene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
Tetrachloroethene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
Toluene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
trans-1,2-Dichloroethene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
trans-1,3-Dichloropropene	0.4	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
Trichloroethene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
Trichlorofluoromethane	5	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
Vinyl chloride	2	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U
Xylenes, Total		0.5 U	2.0 U	0.5 U	2.0 U	2.0 U	0.5 U	2.0 U	1.5 U	0.5 U	2.0 U	2.0 U	0.5 U	0.5 U	2.0 U
Total VOCs		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes
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 of Environmental Conservation Groundwater Standard
 * - Concentration exceeds NYSDEC Class GA Standard
 NA - Not Analyzed
 NS - Not Sampled
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 * LCS or LCSD exceeds the control limits
 ** Well 1-2A was frozen and unable to be sampled

Sample ID	NYSDEC GA Standard ug/L	Well 1-3 Influent 2/25/2015 ug/L	Well 1-3 Influent 2/25/2015 ug/L	Well 1-3 Influent 3/12/2015 ug/L	Well 1-3 Influent 3/19/2015 ug/L	Well 1-3 Influent 4/9/2015 ug/L	Well 1-3 Influent 4/20/2015 ug/L	Well 1-3 Influent 5/6/2015 ug/L	Well 1-3 Influent 5/12/2015 ug/L	Well 1-3 Influent 6/9/2015 ug/L	Well 1-3 Influent 6/25/2015 ug/L	Well 1-3 Influent 7/14/2015 ug/L	Well 1-3 Influent 7/29/2015 ug/L	Well 1-3 Influent 8/11/2015 ug/L
1,1,1-Trichloroethane	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,1,2,2-Tetrachloroethane	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1	NS	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA
1,1,2-Trichloroethane	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,1-Dichloroethane	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,1-Dichloroethane	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,2,3-Trimethylbenzene	5	NS	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	0.5 U
1,2,4-Trichlorobenzene	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,2,4-Trimethylbenzene	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,2-Dibromo-3-Chloropropane	0.04	NS	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	0.5 U
1,2-Dibromoethane (Ethylene Dibromide)	5	NS	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	0.5 U
1,2-Dichlorobenzene	3	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,2-Dichloroethane	0.6	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,2-Dichloropropane	1	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,3-Dichlorobenzene	3	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,4-Dichlorobenzene	3	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
2-Butanone (MEK)	50	NS	10 U	NA	10 U	NA	10 U	10 U	NA	NA	10 U	NA	10 U	NA
2-Hexanone	50*	NS	5.0 U	NA	5.0 U	NA	5.0 U	5.0 U	NA	NA	5.0 U	NA	5.0 U	NA
4-Methyl-2-pentanone (MIBK)	50*	NS	5.0 U	NA	5.0 U	NA	5.0 U	5.0 U	NA	NA	5.0 U	NA	5.0 U	NA
Acetone	50*	NS	10 U	NA	10 U	NA	10 U	10 U	NA	NA	10 U	NA	10 U	NA
Benzene	1	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Bromodichloromethane	50	NS	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	0.5 U
Bromoform	50*	NS	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	0.5 U
Bromomethane	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Carbon disulfide		NS	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA
Carbon tetrachloride	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Chlorobenzene	5	NS	1.0 U	NA	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Chloroethane	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Chloroform	7	NS	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	0.5 U
Chloromethane		NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
cis-1,2-Dichloroethane	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
cis-1,3-Dichloropropene	0.4	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Cyclohexane		NS	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA
Dibromochloromethane	50	NS	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	0.5 U
Dichlorodifluoromethane	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Ethylbenzene	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Isopropylbenzene (Cumene)	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Methyl Acetate		NS	2.5 U	NA	2.5 U	NA	2.5 U	2.5 U	NA	NA	2.5 U	NA	2.5 U	NA
Methyl Cyclohexane		NS	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA
Methylene Chloride	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Methyl Tert Butyl Ether	10	NS	1.0 U	1 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Styrene	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Tetrachloroethene	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Toluene	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
trans-1,2-Dichloroethene	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
trans-1,3-Dichloropropene	0.4	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Trichloroethene	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Trichlorofluoromethane	5	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Vinyl chloride	2	NS	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Xylenes, Total		NS	2.0 U	0.5 U	2.0 U	0.5 U	2.0 U	2.0 U	1.5 U	0.5 U	2.0 U	0.5 U	2.0 U	0.5 U
Total VOCs			0	0	0	0	0	0	0	0	0	0	0	0

Notes
 NYSDEC GA GW Standard - New York State Department
 of Environmental Conservation Groundwater Standard
 - Concentration exceeds NYSDEC Class GA Standard
 NA - Not Analyzed
 NS - Not Sampled
 U - Compound was not detected at the indicated concentration
 * LCS or LCSD exceeds the control limits
 ** Well 1-2A was frozen and unable to be sampled

Sample ID	NYSDEC GA Standard ug/L	Well 1-3 Influent 8/28/2015 ug/L	Well 1-3 Influent 9/15/2015 ug/L	Well 1-3 Influent 9/24/2015 ug/L
1,1,1-Trichloroethane	5	1.0 U	0.5 U	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	0.5 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	NA	1.0 U
1,1,2-Trichloroethane	1	1.0 U	0.5 U	1.0 U
1,1-Dichloroethane	5	1.0 U	0.5 U	1.0 U
1,1-Dichloroethane	5	1.0 U	0.5 U	1.0 U
1,2,3-Trimethylbenzene		1.0 U	NA	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	0.5 U	1.0 U
1,2,4-Trimethylbenzene	5	1.0 U	0.5 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	NA	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 U	NA	1.0 U
1,2-Dichlorobenzene	3	1.0 U	0.5 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	0.5 U	1.0 U
1,2-Dichloropropane	1	1.0 U	0.5 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	0.5 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	0.5 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	0.5 U	1.0 U
2-Butanone (MEK)	50	10 U	NA	10 U
2-Hexanone	50*	5.0 U	NA	5.0 U
4-Methyl-2-pentanone (MIBK)		5.0 U	NA	5.0 U
Acetone	50*	10 U	NA	10 U
Benzene	1	1.0 U	0.5 U	1.0 U
Bromodichloromethane	50	1.0 U	NA	1.0 U
Bromoform	50*	1.0 U	NA	1.0 U
Bromomethane	5	1.0 U	0.5 U	1.0 U
Carbon disulfide		1.0 U	NA	1.0 U
Carbon tetrachloride	5	1.0 U	NA	1.0 U
Chlorobenzene	5	1.0 U	0.5 U	1.0 U
Chloroethane	5	1.0 U	0.5 U	1.0 U
Chloroform	7	1.0 U	NA	1.0 U
Chloromethane		1.0 U	0.5 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	0.5 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	0.5 U	1.0 U
Cyclohexane		1.0 U	NA	1.0 U
Dibromochloromethane	50	1.0 U	0.5 U	1.0 U
Dichlorodifluoromethane	5	1.0 U	0.5 U	1.0 U
Ethylbenzene	5	1.0 U	0.5 U	1.0 U
Isopropylbenzene (Cumene)	5	1.0 U	0.5 U	1.0 U
Methyl Acetate		2.5 U	NA	2.5 U
Methyl Cyclohexane		1.0 U	NA	1.0 U
Methylene Chloride	5	1.0 U	0.5 U	1.0 U
Methyl Tert Butyl Ether	10	1.0 U	0.5 U	1.0 U
Styrene	5	1.0 U	0.5 U	1.0 U
Tetrachloroethene	5	1.0 U	0.5 U	1.0 U
Toluene	5	1.0 U	0.5 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	0.5 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	0.5 U	1.0 U
Trichloroethene	5	1.0 U	0.5 U	1.0 U
Trichlorofluoromethane	5	1.0 U	0.5 U	1.0 U
Vinyl chloride	2	1.0 U	0.5 U	1.0 U
Xylenes, Total		2.0 U	0.5 U	2.0 U
Total VOCs		0	0	0

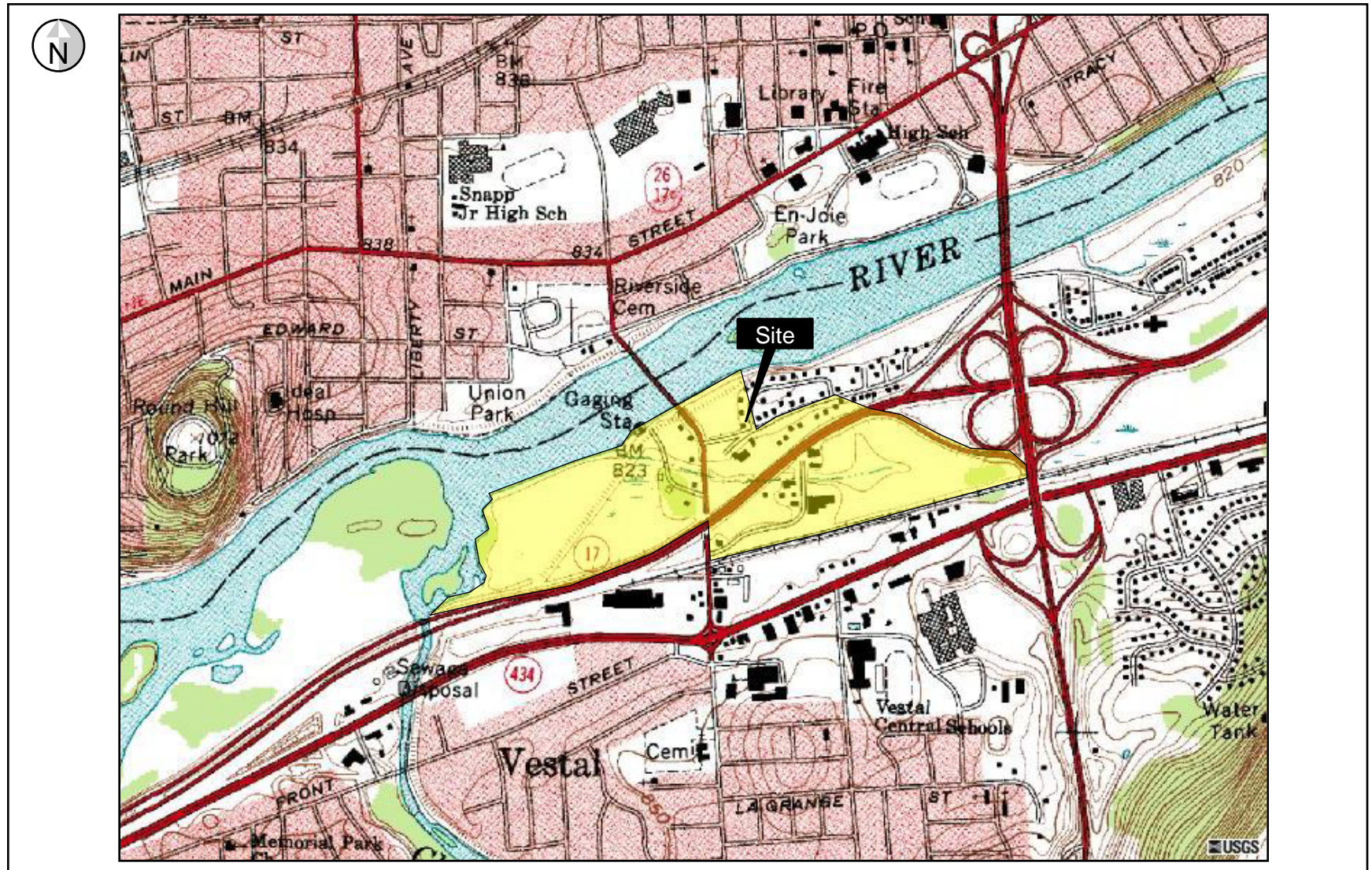
Notes
 NYSDEC GA GW Standard - New York State Department
 of Environmental Conservation Groundwater Standard
 - Concentration exceeds NYSDEC Class GA Standard
 NA - Not Analyzed
 NS - Not Sampled
 U - Compound was not detected at the indicated concentration
 * LCS or LCSD exceeds the control limits
 ** Well 1-2A was frozen and unable to be sampled

FIGURES

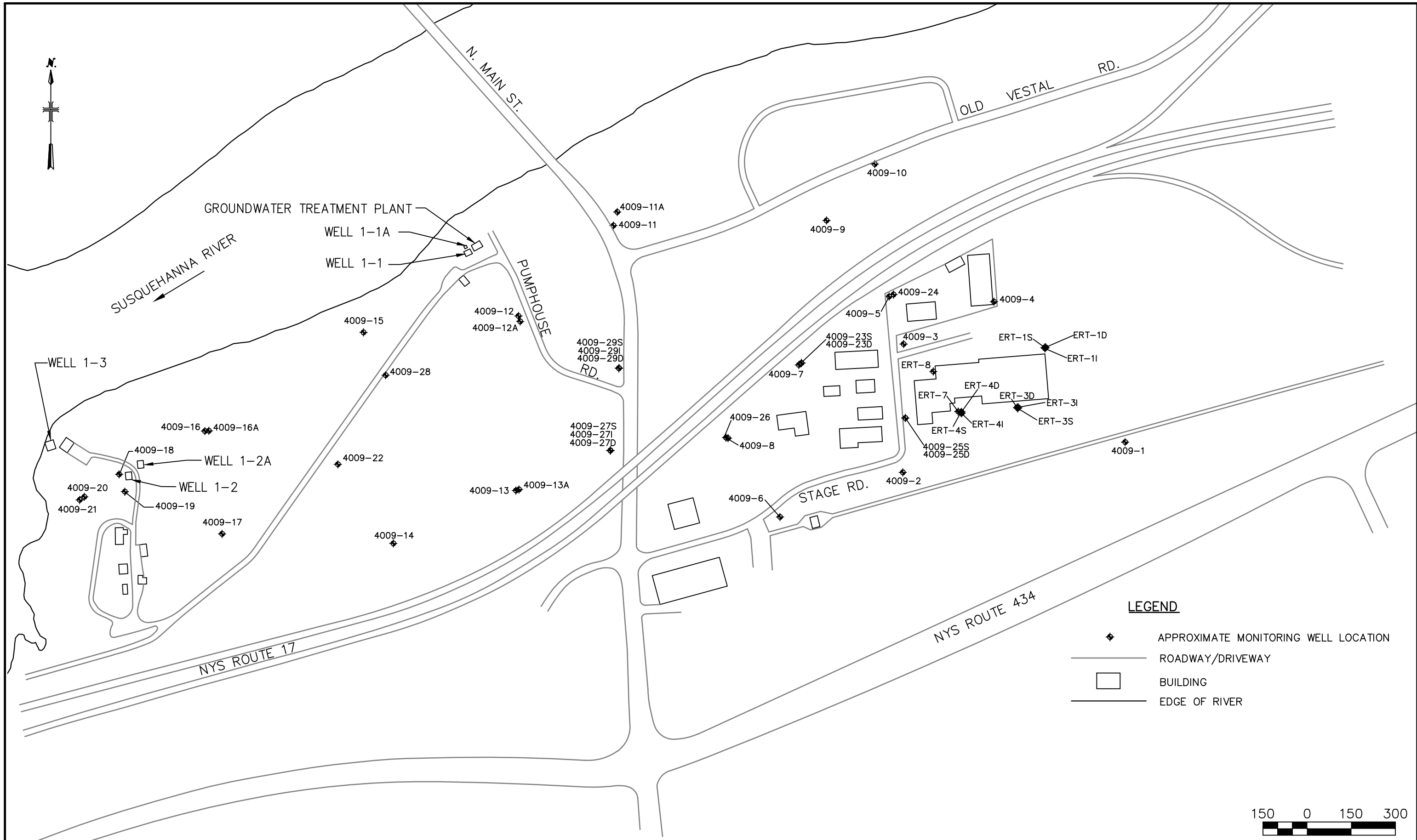


Figure 1-1
Site Location
Vestal Water Supply Site
Vestal, New York
NYSDEC Site # 7-04-009A

0 2,000 ft



Source: USGS 7.5-minute Series Topographic Quadrangle, Endicott (1988).



SOURCE: BASE MAP DIGITIZED USING AERIAL ORTHIMAGERY FROM NYS GIS CLEARINGHOUSE, DATED 2011

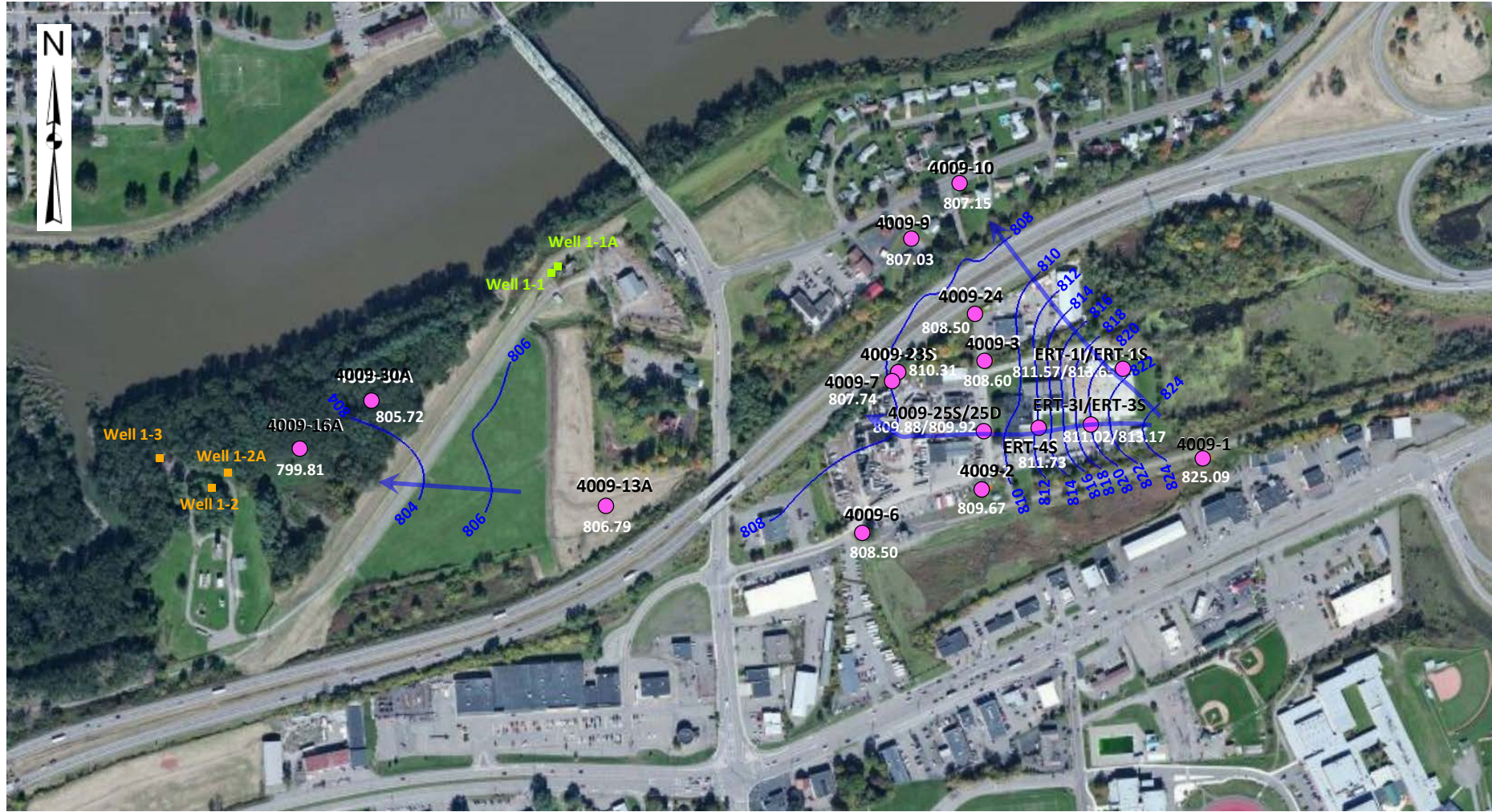


NYSDEC STANDBY CONTRACT NO. D007618-7
 NYSDEC SITE NO. 7-04-009
VESTAL WATER SUPPLY
 VESTAL, NEW YORK

MONITORING WELL LOCATION MAP

SCALE: AS SHOWN

FEBRUARY 2015
 FIGURE 2-1



Well 1-1A

4009-16A

804.12

808

Well 1-3

EXTRACTION WELL & IDENTIFIER

MONITORING WELL & IDENTIFIER
(Groundwater Elevation – Feet AMSL)

GROUNDWATER ELEVATION
POTENTIOMETRIC CONTOUR
(Feet AMSL)

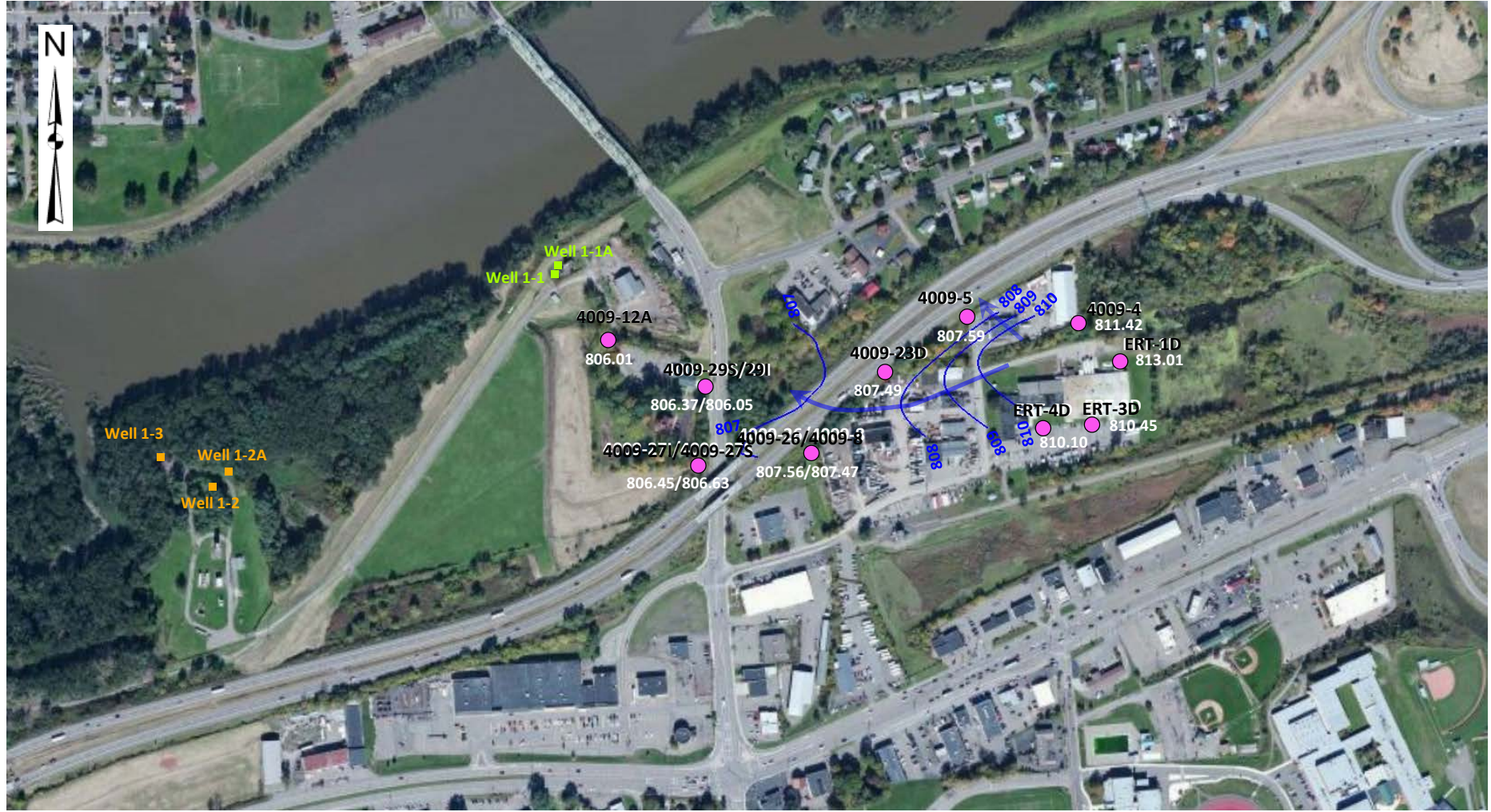
WATER SUPPLY WELL & IDENTIFIER

Vestal Water Supply
 NYSDEC Site #7-04-009
 Vestal, New York

Shallow Potentiometric Surface
 with Well 1-1A Inactive
 (July 13, 2015)

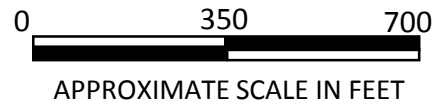
0 350 700
 APPROXIMATE SCALE IN FEET

Figure
ARCADIS | 2-2



LEGEND

- Well 1-1A ■ EXTRACTION WELL & IDENTIFIER
- 4009-12A ● MONITORING WELL & IDENTIFIER
(Groundwater Elevation – Feet AMSL)
- 803.75 ● GROUNDWATER ELEVATION
POTENTIOMETRIC CONTOUR
(Feet AMSL)
- ~ 808 ~ GROUNDWATER ELEVATION
POTENTIOMETRIC CONTOUR
(Feet AMSL)
- Well 1-3 ■ WATER SUPPLY WELL & IDENTIFIER



Vestal Water Supply
 NYSDEC Site #7-04-009
 Vestal, New York

**Intermediate Potentiometric
 Surface with Well 1-1A Inactive
 (July 13, 2015)**

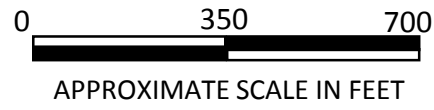


LEGEND

- Well 1-1A
■ EXTRACTION WELL & IDENTIFIER
- 4009-15
● MONITORING WELL & IDENTIFIER
(Groundwater Elevation – Feet AMSL)
- 804.01
GROUNDWATER ELEVATION
POTENTIOMETRIC CONTOUR
(Feet AMSL)
- Well 1-3
■ WATER SUPPLY WELL & IDENTIFIER

Vestal Water Supply
 NYSDEC Site #7-04-009
 Vestal, New York

**Deep Potentiometric Surface
 with Well 1-1A Inactive
 (July 13, 2015)**





LEGEND

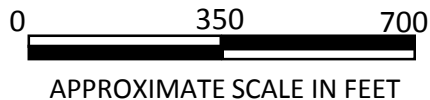
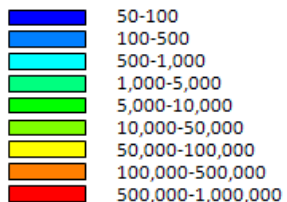
Well 1-3 WATER SUPPLY WELL & IDENTIFIER

4009-7 MONITORING WELL & IDENTIFIER

42.8 Total VOC Concentration(ug/L); "ND" indicates no detection

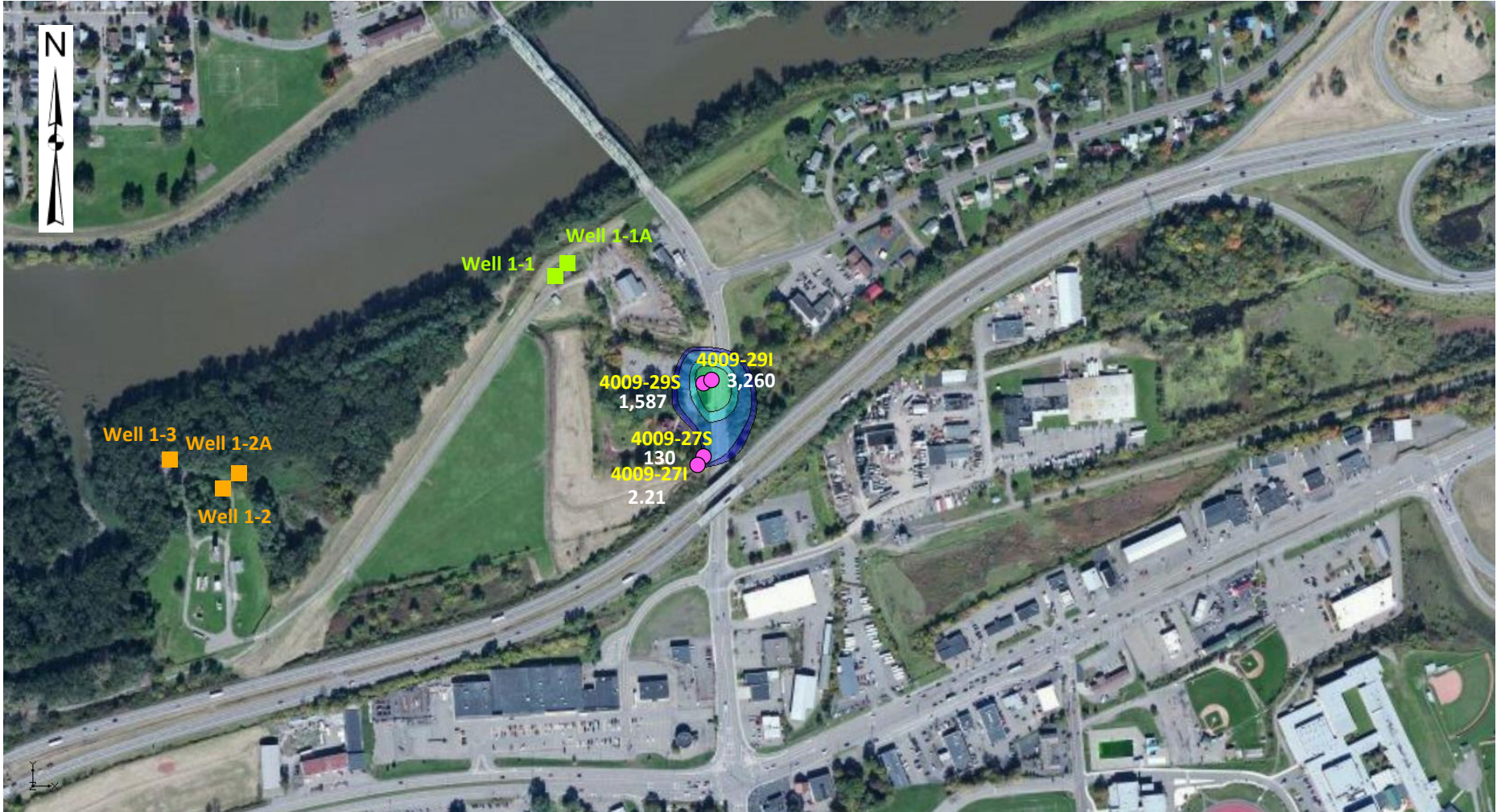
Well 1-1 EXTRACTION WELL & IDENTIFIER

TOTAL VOCs (ug/l)



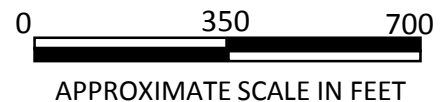
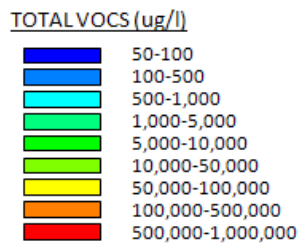
Vestal Water Supply
NYSDEC Site #7-04-009
Vestal, New York

**Total VOC Concentrations
(Shallow Wells)
July 29, 2015**



LEGEND

- **Well 1-3** WATER SUPPLY WELL & IDENTIFIER
- 4009-12A ● **MONITORING WELL & IDENTIFIER**
30.7 Total VOC Concentration(ug/L); "ND" indicates no detection
- **Well 1-1** EXTRACTION WELL & IDENTIFIER



Vestal Water Supply
NYSDEC Site #7-04-009
Vestal, New York

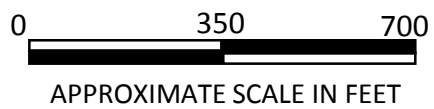
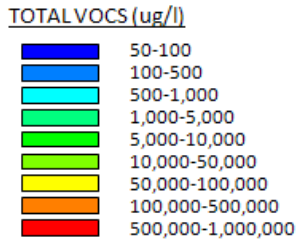
**Total VOC Concentrations
(Intermediate Wells)
July 29, 2015**

Figure
ARCADIS | 2-6



LEGEND

- **Well 1-3** WATER SUPPLY WELL & IDENTIFIER
- **4009-15** MONITORING WELL & IDENTIFIER
- 1.1 Total VOC Concentration(ug/L); "ND" indicates no detection
- **Well 1-1** EXTRACTION WELL & IDENTIFIER



Vestal Water Supply
NYSDEC Site #7-04-009
Vestal, New York

**Total VOC Concentrations
(Deep Wells)
July 29, 2015**



LEGEND

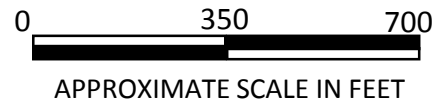
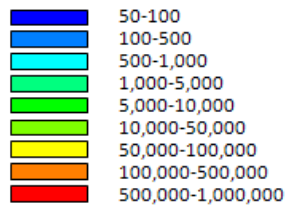
Well 1-3 WATER SUPPLY WELL & IDENTIFIER

4009-7 MONITORING WELL & IDENTIFIER

55.7 Total VOC Concentration(ug/L); "ND" indicates no detection

Well 1-1 EXTRACTION WELL & IDENTIFIER

TOTAL VOCs (ug/l)



Vestal Water Supply
NYSDEC Site #7-04-009
Vestal, New York

**Total VOC Concentrations
(All Wells)
July 29, 2015**

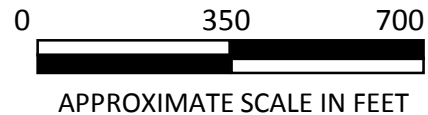


LEGEND

- **Well 1-3** WATER SUPPLY WELL & IDENTIFIER
- 42.8 ● **4009-7** MONITORING WELL & IDENTIFIER
Benzene Concentration(ug/L); "ND" indicates no detection
- **Well 1-1** EXTRACTION WELL & IDENTIFIER

Concentration of Benzene (ug/l)

- 0.1 - 5.0
- 5.0 - 10
- 10 - 50



Vestal Water Supply
NYSDEC Site #7-04-009
Vestal, New York

**Benzene Concentrations
(Shallow Wells)
July 29, 2015**

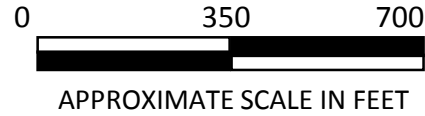


LEGEND

- **Well 1-3** WATER SUPPLY WELL & IDENTIFIER
- **Well 1-2A**
- **Well 1-2**
- **4009-12A** MONITORING WELL & IDENTIFIER
Benzene Concentration(ug/L);
30.7
- **Well 1-1** EXTRACTION WELL & IDENTIFIER

Concentration of Benzene (ug/l)

- 0.1 - 5.0
- 5.0 - 10
- 10 - 50



Vestal Water Supply
NYSDEC Site #7-04-009
Vestal, New York

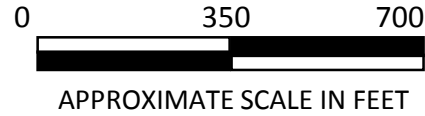
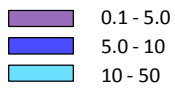
**Benzene Concentrations
(Intermediate Wells)**
July 29, 2015



LEGEND

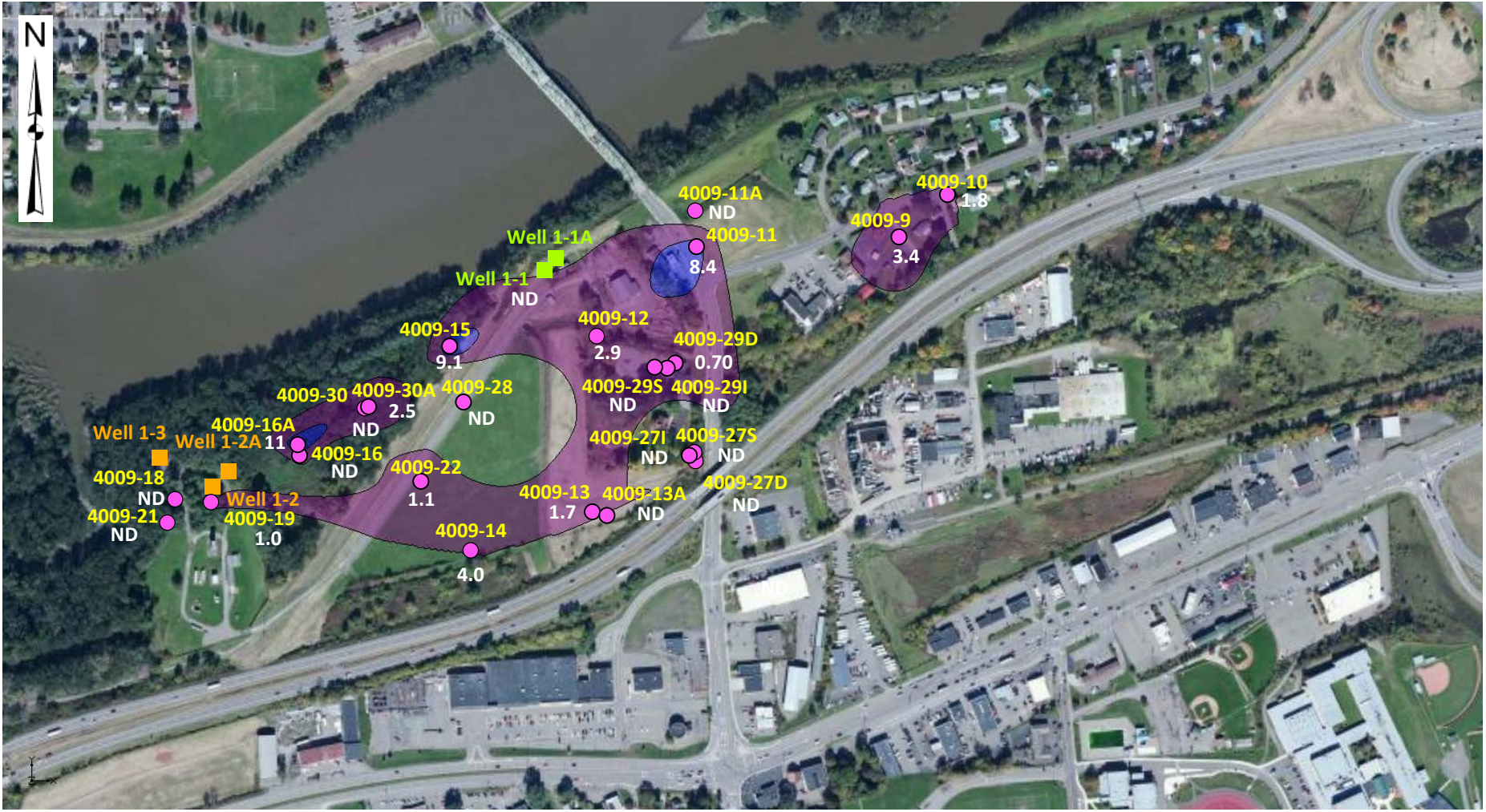
- **Well 1-3** WATER SUPPLY WELL & IDENTIFIER
- **4009-15** MONITORING WELL & IDENTIFIER
- 1.1 Benzene Concentration(ug/L); "ND" indicates no detection
- **Well 1-1** EXTRACTION WELL & IDENTIFIER

Concentration of Benzene (ug/l)



Vestal Water Supply
 NYSDEC Site #7-04-009
 Vestal, New York

**Benzene Concentrations
 (Deep Wells)
 July 29, 2015**

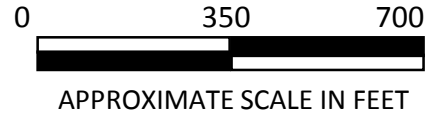


LEGEND

- **Well 1-3** WATER SUPPLY WELL & IDENTIFIER
- 4009-7 ● MONITORING WELL & IDENTIFIER
- 55.7 Benzene Concentration(ug/L); "ND" indicates no detection
- **Well 1-1** EXTRACTION WELL & IDENTIFIER

Concentration of Benzene (ug/l)

- 0.1 - 5.0
- 5.0 - 10
- 10 - 50



Vestal Water Supply
 NYSDEC Site #7-04-009
 Vestal, New York

Benzene Concentrations
 (All Wells)
 July 29, 2015

APPENDIX A

Analytical Reporting Forms (TestAmerica Laboratories, Inc. and Microbac Laboratory Services)



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-84784-1

Client Project/Site: NYSDEC-Standby VESTAL

For:

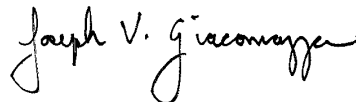
ARCADIS U.S. Inc

855 Route 146

Suite 210

Clifton Park, New York 12065

Attn: Jeremy Wyckoff



Authorized for release by:

8/11/2015 10:12:30 AM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.
J	Indicates an estimated value.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Job ID: 480-84784-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-84784-1

Receipt

The samples were received on 7/30/2015 1:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.4° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-257698 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: 4009-27S (480-84784-16), 4009-27I (480-84784-17), 4009-27D (480-84784-18), 4009-28 (480-84784-19), 4009-29S (480-84784-20), 4009-30 (480-84784-23), WELL 1-1 (480-84784-25) and DUP-02 (480-84784-29).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in 480-257698 was outside the method criteria for the following analyte: Trichlorofluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The following sample is impacted: 4009-29I (480-84784-21).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: DUP-02 (480-84784-29). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: 4009-12 (480-84784-5), 4009-29S (480-84784-20), 4009-29I (480-84784-21), WELL 1-1 (480-84784-25) and DUP-01 (480-84784-28). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-257812 recovered outside acceptance criteria, low biased, for 4-Methyl-2-pentanone (MIBK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detects for this analyte, the data have been reported. The following samples are impacted: 4009-16A (480-84784-11), 4009-18 (480-84784-12), 4009-19 (480-84784-13), 4009-21 (480-84784-14), 4009-22 (480-84784-15), WELL 1-2A (480-84784-26), WELL 1-3 (480-84784-27), TRIP BLANK (480-84784-30) and FIELD BLANK (480-84784-31).

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-9

Lab Sample ID: 480-84784-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.4		1.0	0.41	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	15		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.59	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-10

Lab Sample ID: 480-84784-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.8		1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-11

Lab Sample ID: 480-84784-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8.4		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	1.0		1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-11A

Lab Sample ID: 480-84784-4

No Detections.

Client Sample ID: 4009-12

Lab Sample ID: 480-84784-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	180		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	25		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	20		5.0	1.5	ug/L	5		8260C	Total/NA
Benzene	2.9	J	5.0	2.1	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	41		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	39		5.0	2.3	ug/L	5		8260C	Total/NA
Vinyl chloride	51		5.0	4.5	ug/L	5		8260C	Total/NA

Client Sample ID: 4009-13

Lab Sample ID: 480-84784-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.7		1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-13A

Lab Sample ID: 480-84784-7

No Detections.

Client Sample ID: 4009-14

Lab Sample ID: 480-84784-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.0		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	1.2		1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-15

Lab Sample ID: 480-84784-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	9.1		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	1.0		1.0	0.51	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-16

Lab Sample ID: 480-84784-10

No Detections.

Client Sample ID: 4009-16A

Lab Sample ID: 480-84784-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	11		1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-18

Lab Sample ID: 480-84784-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.0		1.0	0.82	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-19

Lab Sample ID: 480-84784-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.0		1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-21

Lab Sample ID: 480-84784-14

No Detections.

Client Sample ID: 4009-22

Lab Sample ID: 480-84784-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	1.1		1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-27S

Lab Sample ID: 480-84784-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	62		1.0	0.82	ug/L	1		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	3.3		1.0	0.31	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.7		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	10		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	24		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	28		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-27I

Lab Sample ID: 480-84784-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	J	1.0	0.31	ug/L	1		8260C	Total/NA
Trichloroethene	1.9		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-27D

Lab Sample ID: 480-84784-18

No Detections.

Client Sample ID: 4009-28

Lab Sample ID: 480-84784-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.9		1.0	0.82	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: ARCADIS U.S. Inc
 Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-29S

Lab Sample ID: 480-84784-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	740	E	1.0	0.82	ug/L	1		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	9.8		1.0	0.31	ug/L	1		8260C	Total/NA
1,1,2-Trichloroethane	0.38	J	1.0	0.23	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	48		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	98		1.0	0.29	ug/L	1		8260C	Total/NA
Benzene	0.90	J	1.0	0.41	ug/L	1		8260C	Total/NA
Chloroethane	1.6		1.0	0.32	ug/L	1		8260C	Total/NA
Chloroform	0.52	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	390	E	1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.44	J	1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.6		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	3.1		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	56		1.0	0.90	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane - DL	850		20	16	ug/L	20		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	7.3	J	20	6.2	ug/L	20		8260C	Total/NA
1,1-Dichloroethane - DL	55		20	7.6	ug/L	20		8260C	Total/NA
1,1-Dichloroethene - DL	130		20	5.8	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene - DL	480		20	16	ug/L	20		8260C	Total/NA
Vinyl chloride - DL	65		20	18	ug/L	20		8260C	Total/NA

Client Sample ID: 4009-29I

Lab Sample ID: 480-84784-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1400	E	1.0	0.82	ug/L	1		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	21		1.0	0.31	ug/L	1		8260C	Total/NA
1,1,2-Trichloroethane	0.78	J	1.0	0.23	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	84		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	200	E	1.0	0.29	ug/L	1		8260C	Total/NA
Benzene	0.66	J	1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene	1.7		1.0	0.75	ug/L	1		8260C	Total/NA
Chloroethane	4.3		1.0	0.32	ug/L	1		8260C	Total/NA
Chloroform	1.0		1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	440	E	1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	2.1		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.3		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	460	E	1.0	0.46	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	1.3		1.0	0.88	ug/L	1		8260C	Total/NA
Vinyl chloride	120	E	1.0	0.90	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane - DL	1700		40	33	ug/L	40		8260C	Total/NA
1,1-Dichloroethane - DL	100		40	15	ug/L	40		8260C	Total/NA
1,1-Dichloroethene - DL	240		40	12	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene - DL	530		40	32	ug/L	40		8260C	Total/NA
Trichloroethene - DL	550		40	18	ug/L	40		8260C	Total/NA
Vinyl chloride - DL	140		40	36	ug/L	40		8260C	Total/NA

Client Sample ID: 4009-29D

Lab Sample ID: 480-84784-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	30		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	12		1.0	0.38	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-29D (Continued)

Lab Sample ID: 480-84784-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	5.7		1.0	0.29	ug/L	1		8260C	Total/NA
Benzene	0.70	J	1.0	0.41	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	37		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.78	J	1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	7.8		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-30

Lab Sample ID: 480-84784-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.82	J	1.0	0.38	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-30A

Lab Sample ID: 480-84784-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.5		1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: WELL 1-1

Lab Sample ID: 480-84784-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	240	E	1.0	0.82	ug/L	1		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	5.7		1.0	0.31	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	18		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	34		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	68		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	67		1.0	0.46	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane - DL	240		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane - DL	18		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene - DL	30		5.0	1.5	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene - DL	66		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene - DL	64		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-84784-26

No Detections.

Client Sample ID: WELL 1-3

Lab Sample ID: 480-84784-27

No Detections.

Client Sample ID: DUP-01

Lab Sample ID: 480-84784-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	240		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	24		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	29		5.0	1.5	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	56		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	54		5.0	2.3	ug/L	5		8260C	Total/NA
Vinyl chloride	41		5.0	4.5	ug/L	5		8260C	Total/NA

Client Sample ID: DUP-02

Lab Sample ID: 480-84784-29

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: DUP-02 (Continued)

Lab Sample ID: 480-84784-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1700		20	16	ug/L	20		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	20		20	6.2	ug/L	20		8260C	Total/NA
1,1-Dichloroethane	97		20	7.6	ug/L	20		8260C	Total/NA
1,1-Dichloroethene	240		20	5.8	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	520		20	16	ug/L	20		8260C	Total/NA
Trichloroethene	550		20	9.2	ug/L	20		8260C	Total/NA
Vinyl chloride	140		20	18	ug/L	20		8260C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-84784-30

No Detections.

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-84784-31

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-9

Date Collected: 07/29/15 12:43

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/08/15 11:12	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 11:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 11:12	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 11:12	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/08/15 11:12	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 11:12	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 11:12	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 11:12	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 11:12	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 11:12	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 11:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 11:12	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 11:12	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 11:12	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 11:12	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 11:12	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 11:12	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 11:12	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 11:12	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 11:12	1
Acetone	10	U	10	3.0	ug/L			08/08/15 11:12	1
Benzene	3.4		1.0	0.41	ug/L			08/08/15 11:12	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 11:12	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 11:12	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 11:12	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 11:12	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 11:12	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 11:12	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 11:12	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 11:12	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 11:12	1
cis-1,2-Dichloroethene	15		1.0	0.81	ug/L			08/08/15 11:12	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 11:12	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 11:12	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 11:12	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 11:12	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 11:12	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 11:12	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 11:12	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 11:12	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 11:12	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 11:12	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 11:12	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 11:12	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 11:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 11:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 11:12	1
Trichloroethene	0.59	J	1.0	0.46	ug/L			08/08/15 11:12	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 11:12	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-9

Date Collected: 07/29/15 12:43

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 11:12	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 11:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137					08/08/15 11:12	1
4-Bromofluorobenzene (Surr)	99		73 - 120					08/08/15 11:12	1
Dibromofluoromethane (Surr)	103		60 - 140					08/08/15 11:12	1
Toluene-d8 (Surr)	104		71 - 126					08/08/15 11:12	1

Client Sample ID: 4009-10

Date Collected: 07/29/15 12:50

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/08/15 11:35	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 11:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 11:35	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 11:35	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/08/15 11:35	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 11:35	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 11:35	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 11:35	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 11:35	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 11:35	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 11:35	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 11:35	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 11:35	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 11:35	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 11:35	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 11:35	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 11:35	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 11:35	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 11:35	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 11:35	1
Acetone	10	U	10	3.0	ug/L			08/08/15 11:35	1
Benzene	1.8		1.0	0.41	ug/L			08/08/15 11:35	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 11:35	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 11:35	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 11:35	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 11:35	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 11:35	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 11:35	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 11:35	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 11:35	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 11:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/08/15 11:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 11:35	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 11:35	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 11:35	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-10

Lab Sample ID: 480-84784-2

Date Collected: 07/29/15 12:50

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 11:35	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 11:35	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 11:35	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 11:35	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 11:35	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 11:35	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 11:35	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 11:35	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 11:35	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 11:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 11:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 11:35	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/08/15 11:35	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 11:35	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 11:35	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 11:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 137		08/08/15 11:35	1
4-Bromofluorobenzene (Surr)	100		73 - 120		08/08/15 11:35	1
Dibromofluoromethane (Surr)	103		60 - 140		08/08/15 11:35	1
Toluene-d8 (Surr)	104		71 - 126		08/08/15 11:35	1

Client Sample ID: 4009-11

Lab Sample ID: 480-84784-3

Date Collected: 07/29/15 12:57

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/08/15 11:57	1
1,1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 11:57	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 11:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 11:57	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/08/15 11:57	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 11:57	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 11:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 11:57	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 11:57	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 11:57	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 11:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 11:57	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 11:57	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 11:57	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 11:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 11:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 11:57	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 11:57	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 11:57	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 11:57	1
Acetone	10	U	10	3.0	ug/L			08/08/15 11:57	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-11

Lab Sample ID: 480-84784-3

Date Collected: 07/29/15 12:57

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	8.4		1.0	0.41	ug/L			08/08/15 11:57	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 11:57	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 11:57	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 11:57	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 11:57	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 11:57	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 11:57	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 11:57	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 11:57	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 11:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/08/15 11:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 11:57	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 11:57	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 11:57	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 11:57	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 11:57	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 11:57	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 11:57	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 11:57	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 11:57	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 11:57	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 11:57	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 11:57	1
Toluene	1.0		1.0	0.51	ug/L			08/08/15 11:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 11:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 11:57	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/08/15 11:57	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 11:57	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 11:57	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		08/08/15 11:57	1
4-Bromofluorobenzene (Surr)	104		73 - 120		08/08/15 11:57	1
Dibromofluoromethane (Surr)	103		60 - 140		08/08/15 11:57	1
Toluene-d8 (Surr)	105		71 - 126		08/08/15 11:57	1

Client Sample ID: 4009-11A

Lab Sample ID: 480-84784-4

Date Collected: 07/29/15 12:54

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/08/15 12:20	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 12:20	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 12:20	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 12:20	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/08/15 12:20	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 12:20	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 12:20	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-11A

Lab Sample ID: 480-84784-4

Date Collected: 07/29/15 12:54

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 12:20	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 12:20	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 12:20	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 12:20	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 12:20	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 12:20	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 12:20	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 12:20	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 12:20	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 12:20	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 12:20	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 12:20	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 12:20	1
Acetone	10	U	10	3.0	ug/L			08/08/15 12:20	1
Benzene	1.0	U	1.0	0.41	ug/L			08/08/15 12:20	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 12:20	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 12:20	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 12:20	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 12:20	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 12:20	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 12:20	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 12:20	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 12:20	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 12:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/08/15 12:20	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 12:20	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 12:20	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 12:20	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 12:20	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 12:20	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 12:20	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 12:20	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 12:20	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 12:20	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 12:20	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 12:20	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 12:20	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 12:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 12:20	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 12:20	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/08/15 12:20	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 12:20	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 12:20	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 12:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		08/08/15 12:20	1
4-Bromofluorobenzene (Surr)	100		73 - 120		08/08/15 12:20	1
Dibromofluoromethane (Surr)	106		60 - 140		08/08/15 12:20	1
Toluene-d8 (Surr)	104		71 - 126		08/08/15 12:20	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-12

Lab Sample ID: 480-84784-5

Date Collected: 07/29/15 11:52

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	180		5.0	4.1	ug/L			08/08/15 12:42	5
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1.1	ug/L			08/08/15 12:42	5
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.6	ug/L			08/08/15 12:42	5
1,1,2-Trichloroethane	5.0	U	5.0	1.2	ug/L			08/08/15 12:42	5
1,1-Dichloroethane	25		5.0	1.9	ug/L			08/08/15 12:42	5
1,1-Dichloroethene	20		5.0	1.5	ug/L			08/08/15 12:42	5
1,2,3-Trimethylbenzene	5.0	U	5.0	1.3	ug/L			08/08/15 12:42	5
1,2,4-Trichlorobenzene	5.0	U	5.0	2.1	ug/L			08/08/15 12:42	5
1,2,4-Trimethylbenzene	5.0	U	5.0	3.8	ug/L			08/08/15 12:42	5
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.0	ug/L			08/08/15 12:42	5
1,2-Dibromoethane	5.0	U	5.0	3.7	ug/L			08/08/15 12:42	5
1,2-Dichlorobenzene	5.0	U	5.0	4.0	ug/L			08/08/15 12:42	5
1,2-Dichloroethane	5.0	U	5.0	1.1	ug/L			08/08/15 12:42	5
1,2-Dichloropropane	5.0	U	5.0	3.6	ug/L			08/08/15 12:42	5
1,3,5-Trimethylbenzene	5.0	U	5.0	3.9	ug/L			08/08/15 12:42	5
1,3-Dichlorobenzene	5.0	U	5.0	3.9	ug/L			08/08/15 12:42	5
1,4-Dichlorobenzene	5.0	U	5.0	4.2	ug/L			08/08/15 12:42	5
2-Butanone (MEK)	50	U	50	6.6	ug/L			08/08/15 12:42	5
2-Hexanone	25	U	25	6.2	ug/L			08/08/15 12:42	5
4-Methyl-2-pentanone (MIBK)	25	U	25	11	ug/L			08/08/15 12:42	5
Acetone	50	U	50	15	ug/L			08/08/15 12:42	5
Benzene	2.9	J	5.0	2.1	ug/L			08/08/15 12:42	5
Bromodichloromethane	5.0	U	5.0	2.0	ug/L			08/08/15 12:42	5
Bromoform	5.0	U	5.0	1.3	ug/L			08/08/15 12:42	5
Bromomethane	5.0	U	5.0	3.5	ug/L			08/08/15 12:42	5
Carbon disulfide	5.0	U	5.0	0.95	ug/L			08/08/15 12:42	5
Carbon tetrachloride	5.0	U	5.0	1.4	ug/L			08/08/15 12:42	5
Chlorobenzene	5.0	U	5.0	3.8	ug/L			08/08/15 12:42	5
Chloroethane	5.0	U	5.0	1.6	ug/L			08/08/15 12:42	5
Chloroform	5.0	U	5.0	1.7	ug/L			08/08/15 12:42	5
Chloromethane	5.0	U	5.0	1.8	ug/L			08/08/15 12:42	5
cis-1,2-Dichloroethene	41		5.0	4.1	ug/L			08/08/15 12:42	5
cis-1,3-Dichloropropene	5.0	U	5.0	1.8	ug/L			08/08/15 12:42	5
Cyclohexane	5.0	U	5.0	0.90	ug/L			08/08/15 12:42	5
Dibromochloromethane	5.0	U	5.0	1.6	ug/L			08/08/15 12:42	5
Dichlorodifluoromethane	5.0	U	5.0	3.4	ug/L			08/08/15 12:42	5
Ethylbenzene	5.0	U	5.0	3.7	ug/L			08/08/15 12:42	5
Isopropylbenzene	5.0	U	5.0	4.0	ug/L			08/08/15 12:42	5
Methyl acetate	13	U	13	6.5	ug/L			08/08/15 12:42	5
Methyl tert-butyl ether	5.0	U	5.0	0.80	ug/L			08/08/15 12:42	5
Methylcyclohexane	5.0	U	5.0	0.80	ug/L			08/08/15 12:42	5
Methylene Chloride	5.0	U	5.0	2.2	ug/L			08/08/15 12:42	5
Styrene	5.0	U	5.0	3.7	ug/L			08/08/15 12:42	5
Tetrachloroethene	5.0	U	5.0	1.8	ug/L			08/08/15 12:42	5
Toluene	5.0	U	5.0	2.6	ug/L			08/08/15 12:42	5
trans-1,2-Dichloroethene	5.0	U	5.0	4.5	ug/L			08/08/15 12:42	5
trans-1,3-Dichloropropene	5.0	U	5.0	1.9	ug/L			08/08/15 12:42	5
Trichloroethene	39		5.0	2.3	ug/L			08/08/15 12:42	5
Trichlorofluoromethane	5.0	U	5.0	4.4	ug/L			08/08/15 12:42	5

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-12

Date Collected: 07/29/15 11:52

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	51		5.0	4.5	ug/L			08/08/15 12:42	5
Xylenes, Total	10	U	10	3.3	ug/L			08/08/15 12:42	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137					08/08/15 12:42	5
4-Bromofluorobenzene (Surr)	100		73 - 120					08/08/15 12:42	5
Dibromofluoromethane (Surr)	106		60 - 140					08/08/15 12:42	5
Toluene-d8 (Surr)	103		71 - 126					08/08/15 12:42	5

Client Sample ID: 4009-13

Date Collected: 07/29/15 12:20

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-6

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/08/15 13:04	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 13:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 13:04	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 13:04	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/08/15 13:04	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 13:04	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 13:04	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 13:04	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 13:04	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 13:04	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 13:04	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 13:04	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 13:04	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 13:04	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 13:04	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 13:04	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 13:04	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 13:04	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 13:04	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 13:04	1
Acetone	10	U	10	3.0	ug/L			08/08/15 13:04	1
Benzene	1.7		1.0	0.41	ug/L			08/08/15 13:04	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 13:04	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 13:04	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 13:04	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 13:04	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 13:04	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 13:04	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 13:04	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 13:04	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 13:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/08/15 13:04	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 13:04	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 13:04	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 13:04	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-13

Lab Sample ID: 480-84784-6

Date Collected: 07/29/15 12:20

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 13:04	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 13:04	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 13:04	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 13:04	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 13:04	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 13:04	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 13:04	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 13:04	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 13:04	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 13:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 13:04	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 13:04	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/08/15 13:04	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 13:04	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 13:04	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		08/08/15 13:04	1
4-Bromofluorobenzene (Surr)	103		73 - 120		08/08/15 13:04	1
Dibromofluoromethane (Surr)	104		60 - 140		08/08/15 13:04	1
Toluene-d8 (Surr)	105		71 - 126		08/08/15 13:04	1

Client Sample ID: 4009-13A

Lab Sample ID: 480-84784-7

Date Collected: 07/29/15 12:25

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/08/15 13:26	1
1,1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 13:26	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 13:26	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 13:26	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/08/15 13:26	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 13:26	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 13:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 13:26	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 13:26	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 13:26	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 13:26	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 13:26	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 13:26	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 13:26	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 13:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 13:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 13:26	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 13:26	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 13:26	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 13:26	1
Acetone	10	U	10	3.0	ug/L			08/08/15 13:26	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-13A

Lab Sample ID: 480-84784-7

Date Collected: 07/29/15 12:25

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.41	ug/L			08/08/15 13:26	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 13:26	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 13:26	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 13:26	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 13:26	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 13:26	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 13:26	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 13:26	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 13:26	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 13:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/08/15 13:26	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 13:26	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 13:26	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 13:26	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 13:26	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 13:26	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 13:26	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 13:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 13:26	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 13:26	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 13:26	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 13:26	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 13:26	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 13:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 13:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 13:26	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/08/15 13:26	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 13:26	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 13:26	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		08/08/15 13:26	1
4-Bromofluorobenzene (Surr)	101		73 - 120		08/08/15 13:26	1
Dibromofluoromethane (Surr)	104		60 - 140		08/08/15 13:26	1
Toluene-d8 (Surr)	105		71 - 126		08/08/15 13:26	1

Client Sample ID: 4009-14

Lab Sample ID: 480-84784-8

Date Collected: 07/29/15 10:15

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/08/15 13:48	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 13:48	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 13:48	1
1,1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 13:48	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/08/15 13:48	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 13:48	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 13:48	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-14

Lab Sample ID: 480-84784-8

Date Collected: 07/29/15 10:15

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 13:48	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 13:48	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 13:48	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 13:48	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 13:48	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 13:48	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 13:48	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 13:48	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 13:48	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 13:48	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 13:48	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 13:48	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 13:48	1
Acetone	10	U	10	3.0	ug/L			08/08/15 13:48	1
Benzene	4.0		1.0	0.41	ug/L			08/08/15 13:48	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 13:48	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 13:48	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 13:48	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 13:48	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 13:48	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 13:48	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 13:48	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 13:48	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 13:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/08/15 13:48	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 13:48	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 13:48	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 13:48	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 13:48	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 13:48	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 13:48	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 13:48	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 13:48	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 13:48	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 13:48	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 13:48	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 13:48	1
Toluene	1.2		1.0	0.51	ug/L			08/08/15 13:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 13:48	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 13:48	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/08/15 13:48	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 13:48	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 13:48	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 137		08/08/15 13:48	1
4-Bromofluorobenzene (Surr)	97		73 - 120		08/08/15 13:48	1
Dibromofluoromethane (Surr)	102		60 - 140		08/08/15 13:48	1
Toluene-d8 (Surr)	103		71 - 126		08/08/15 13:48	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-15

Date Collected: 07/29/15 11:36

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/08/15 14:11	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 14:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 14:11	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 14:11	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/08/15 14:11	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 14:11	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 14:11	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 14:11	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 14:11	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 14:11	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 14:11	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 14:11	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 14:11	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 14:11	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 14:11	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 14:11	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 14:11	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 14:11	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 14:11	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 14:11	1
Acetone	10	U	10	3.0	ug/L			08/08/15 14:11	1
Benzene	9.1		1.0	0.41	ug/L			08/08/15 14:11	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 14:11	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 14:11	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 14:11	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 14:11	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 14:11	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 14:11	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 14:11	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 14:11	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 14:11	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/08/15 14:11	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 14:11	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 14:11	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 14:11	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 14:11	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 14:11	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 14:11	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 14:11	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 14:11	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 14:11	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 14:11	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 14:11	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 14:11	1
Toluene	1.0		1.0	0.51	ug/L			08/08/15 14:11	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 14:11	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 14:11	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/08/15 14:11	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 14:11	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-15

Date Collected: 07/29/15 11:36

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 14:11	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 14:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137					08/08/15 14:11	1
4-Bromofluorobenzene (Surr)	99		73 - 120					08/08/15 14:11	1
Dibromofluoromethane (Surr)	104		60 - 140					08/08/15 14:11	1
Toluene-d8 (Surr)	104		71 - 126					08/08/15 14:11	1

Client Sample ID: 4009-16

Date Collected: 07/29/15 11:10

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-10

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/08/15 14:33	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 14:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 14:33	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 14:33	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/08/15 14:33	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 14:33	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 14:33	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 14:33	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 14:33	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 14:33	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 14:33	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 14:33	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 14:33	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 14:33	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 14:33	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 14:33	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 14:33	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 14:33	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 14:33	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 14:33	1
Acetone	10	U	10	3.0	ug/L			08/08/15 14:33	1
Benzene	1.0	U	1.0	0.41	ug/L			08/08/15 14:33	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 14:33	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 14:33	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 14:33	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 14:33	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 14:33	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 14:33	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 14:33	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 14:33	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 14:33	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/08/15 14:33	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 14:33	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 14:33	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 14:33	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-16

Lab Sample ID: 480-84784-10

Date Collected: 07/29/15 11:10

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 14:33	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 14:33	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 14:33	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 14:33	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 14:33	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 14:33	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 14:33	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 14:33	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 14:33	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 14:33	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 14:33	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 14:33	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/08/15 14:33	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 14:33	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 14:33	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		08/08/15 14:33	1
4-Bromofluorobenzene (Surr)	99		73 - 120		08/08/15 14:33	1
Dibromofluoromethane (Surr)	103		60 - 140		08/08/15 14:33	1
Toluene-d8 (Surr)	105		71 - 126		08/08/15 14:33	1

Client Sample ID: 4009-16A

Lab Sample ID: 480-84784-11

Date Collected: 07/29/15 11:15

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/10/15 12:30	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 12:30	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/10/15 12:30	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/10/15 12:30	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/10/15 12:30	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/10/15 12:30	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/10/15 12:30	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/10/15 12:30	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/10/15 12:30	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/10/15 12:30	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/10/15 12:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/10/15 12:30	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 12:30	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/10/15 12:30	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/10/15 12:30	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/10/15 12:30	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/10/15 12:30	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/10/15 12:30	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/10/15 12:30	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/10/15 12:30	1
Acetone	10	U	10	3.0	ug/L			08/10/15 12:30	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-16A

Lab Sample ID: 480-84784-11

Date Collected: 07/29/15 11:15

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	11		1.0	0.41	ug/L			08/10/15 12:30	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/10/15 12:30	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/10/15 12:30	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/10/15 12:30	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/10/15 12:30	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/10/15 12:30	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/10/15 12:30	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/10/15 12:30	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/10/15 12:30	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/10/15 12:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/10/15 12:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/10/15 12:30	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/10/15 12:30	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/10/15 12:30	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/10/15 12:30	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/10/15 12:30	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/10/15 12:30	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/10/15 12:30	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/10/15 12:30	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/10/15 12:30	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/10/15 12:30	1
Styrene	1.0	U	1.0	0.73	ug/L			08/10/15 12:30	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/10/15 12:30	1
Toluene	1.0	U	1.0	0.51	ug/L			08/10/15 12:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/10/15 12:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/10/15 12:30	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/10/15 12:30	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/10/15 12:30	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/10/15 12:30	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/10/15 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		08/10/15 12:30	1
4-Bromofluorobenzene (Surr)	101		73 - 120		08/10/15 12:30	1
Dibromofluoromethane (Surr)	101		60 - 140		08/10/15 12:30	1
Toluene-d8 (Surr)	103		71 - 126		08/10/15 12:30	1

Client Sample ID: 4009-18

Lab Sample ID: 480-84784-12

Date Collected: 07/29/15 10:40

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0		1.0	0.82	ug/L			08/10/15 12:53	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 12:53	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/10/15 12:53	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/10/15 12:53	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/10/15 12:53	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/10/15 12:53	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/10/15 12:53	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-18

Lab Sample ID: 480-84784-12

Date Collected: 07/29/15 10:40

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/10/15 12:53	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/10/15 12:53	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/10/15 12:53	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/10/15 12:53	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/10/15 12:53	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 12:53	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/10/15 12:53	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/10/15 12:53	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/10/15 12:53	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/10/15 12:53	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/10/15 12:53	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/10/15 12:53	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/10/15 12:53	1
Acetone	10	U	10	3.0	ug/L			08/10/15 12:53	1
Benzene	1.0	U	1.0	0.41	ug/L			08/10/15 12:53	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/10/15 12:53	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/10/15 12:53	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/10/15 12:53	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/10/15 12:53	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/10/15 12:53	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/10/15 12:53	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/10/15 12:53	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/10/15 12:53	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/10/15 12:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/10/15 12:53	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/10/15 12:53	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/10/15 12:53	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/10/15 12:53	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/10/15 12:53	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/10/15 12:53	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/10/15 12:53	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/10/15 12:53	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/10/15 12:53	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/10/15 12:53	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/10/15 12:53	1
Styrene	1.0	U	1.0	0.73	ug/L			08/10/15 12:53	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/10/15 12:53	1
Toluene	1.0	U	1.0	0.51	ug/L			08/10/15 12:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/10/15 12:53	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/10/15 12:53	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/10/15 12:53	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/10/15 12:53	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/10/15 12:53	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/10/15 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		08/10/15 12:53	1
4-Bromofluorobenzene (Surr)	97		73 - 120		08/10/15 12:53	1
Dibromofluoromethane (Surr)	103		60 - 140		08/10/15 12:53	1
Toluene-d8 (Surr)	102		71 - 126		08/10/15 12:53	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-19

Lab Sample ID: 480-84784-13

Date Collected: 07/29/15 10:30

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/10/15 13:15	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 13:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/10/15 13:15	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/10/15 13:15	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/10/15 13:15	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/10/15 13:15	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/10/15 13:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/10/15 13:15	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/10/15 13:15	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/10/15 13:15	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/10/15 13:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/10/15 13:15	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 13:15	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/10/15 13:15	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/10/15 13:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/10/15 13:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/10/15 13:15	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/10/15 13:15	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/10/15 13:15	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/10/15 13:15	1
Acetone	10	U	10	3.0	ug/L			08/10/15 13:15	1
Benzene	1.0		1.0	0.41	ug/L			08/10/15 13:15	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/10/15 13:15	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/10/15 13:15	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/10/15 13:15	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/10/15 13:15	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/10/15 13:15	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/10/15 13:15	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/10/15 13:15	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/10/15 13:15	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/10/15 13:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/10/15 13:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/10/15 13:15	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/10/15 13:15	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/10/15 13:15	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/10/15 13:15	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/10/15 13:15	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/10/15 13:15	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/10/15 13:15	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/10/15 13:15	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/10/15 13:15	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/10/15 13:15	1
Styrene	1.0	U	1.0	0.73	ug/L			08/10/15 13:15	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/10/15 13:15	1
Toluene	1.0	U	1.0	0.51	ug/L			08/10/15 13:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/10/15 13:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/10/15 13:15	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/10/15 13:15	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/10/15 13:15	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-19

Date Collected: 07/29/15 10:30

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/10/15 13:15	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/10/15 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137					08/10/15 13:15	1
4-Bromofluorobenzene (Surr)	99		73 - 120					08/10/15 13:15	1
Dibromofluoromethane (Surr)	102		60 - 140					08/10/15 13:15	1
Toluene-d8 (Surr)	102		71 - 126					08/10/15 13:15	1

Client Sample ID: 4009-21

Date Collected: 07/29/15 10:35

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-14

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/10/15 13:38	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 13:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/10/15 13:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/10/15 13:38	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/10/15 13:38	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/10/15 13:38	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/10/15 13:38	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/10/15 13:38	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/10/15 13:38	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/10/15 13:38	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/10/15 13:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/10/15 13:38	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 13:38	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/10/15 13:38	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/10/15 13:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/10/15 13:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/10/15 13:38	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/10/15 13:38	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/10/15 13:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/10/15 13:38	1
Acetone	10	U	10	3.0	ug/L			08/10/15 13:38	1
Benzene	1.0	U	1.0	0.41	ug/L			08/10/15 13:38	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/10/15 13:38	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/10/15 13:38	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/10/15 13:38	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/10/15 13:38	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/10/15 13:38	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/10/15 13:38	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/10/15 13:38	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/10/15 13:38	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/10/15 13:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/10/15 13:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/10/15 13:38	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/10/15 13:38	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/10/15 13:38	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-21

Lab Sample ID: 480-84784-14

Date Collected: 07/29/15 10:35

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/10/15 13:38	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/10/15 13:38	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/10/15 13:38	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/10/15 13:38	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/10/15 13:38	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/10/15 13:38	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/10/15 13:38	1
Styrene	1.0	U	1.0	0.73	ug/L			08/10/15 13:38	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/10/15 13:38	1
Toluene	1.0	U	1.0	0.51	ug/L			08/10/15 13:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/10/15 13:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/10/15 13:38	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/10/15 13:38	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/10/15 13:38	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/10/15 13:38	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/10/15 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		08/10/15 13:38	1
4-Bromofluorobenzene (Surr)	100		73 - 120		08/10/15 13:38	1
Dibromofluoromethane (Surr)	106		60 - 140		08/10/15 13:38	1
Toluene-d8 (Surr)	102		71 - 126		08/10/15 13:38	1

Client Sample ID: 4009-22

Lab Sample ID: 480-84784-15

Date Collected: 07/29/15 09:58

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/10/15 14:00	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 14:00	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/10/15 14:00	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/10/15 14:00	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/10/15 14:00	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/10/15 14:00	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/10/15 14:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/10/15 14:00	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/10/15 14:00	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/10/15 14:00	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/10/15 14:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/10/15 14:00	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 14:00	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/10/15 14:00	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/10/15 14:00	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/10/15 14:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/10/15 14:00	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/10/15 14:00	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/10/15 14:00	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/10/15 14:00	1
Acetone	10	U	10	3.0	ug/L			08/10/15 14:00	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-22

Lab Sample ID: 480-84784-15

Date Collected: 07/29/15 09:58

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.1		1.0	0.41	ug/L			08/10/15 14:00	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/10/15 14:00	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/10/15 14:00	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/10/15 14:00	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/10/15 14:00	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/10/15 14:00	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/10/15 14:00	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/10/15 14:00	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/10/15 14:00	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/10/15 14:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/10/15 14:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/10/15 14:00	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/10/15 14:00	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/10/15 14:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/10/15 14:00	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/10/15 14:00	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/10/15 14:00	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/10/15 14:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/10/15 14:00	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/10/15 14:00	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/10/15 14:00	1
Styrene	1.0	U	1.0	0.73	ug/L			08/10/15 14:00	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/10/15 14:00	1
Toluene	1.1		1.0	0.51	ug/L			08/10/15 14:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/10/15 14:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/10/15 14:00	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/10/15 14:00	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/10/15 14:00	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/10/15 14:00	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/10/15 14:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		08/10/15 14:00	1
4-Bromofluorobenzene (Surr)	101		73 - 120		08/10/15 14:00	1
Dibromofluoromethane (Surr)	107		60 - 140		08/10/15 14:00	1
Toluene-d8 (Surr)	102		71 - 126		08/10/15 14:00	1

Client Sample ID: 4009-27S

Lab Sample ID: 480-84784-16

Date Collected: 07/29/15 12:10

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	62		1.0	0.82	ug/L			08/08/15 00:38	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 00:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.3		1.0	0.31	ug/L			08/08/15 00:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 00:38	1
1,1-Dichloroethane	2.7		1.0	0.38	ug/L			08/08/15 00:38	1
1,1-Dichloroethene	10		1.0	0.29	ug/L			08/08/15 00:38	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-27S

Lab Sample ID: 480-84784-16

Date Collected: 07/29/15 12:10

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 00:38	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 00:38	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 00:38	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 00:38	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 00:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 00:38	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 00:38	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 00:38	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 00:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 00:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 00:38	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 00:38	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 00:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 00:38	1
Acetone	10	U	10	3.0	ug/L			08/08/15 00:38	1
Benzene	1.0	U	1.0	0.41	ug/L			08/08/15 00:38	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 00:38	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 00:38	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 00:38	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 00:38	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 00:38	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 00:38	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 00:38	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 00:38	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 00:38	1
cis-1,2-Dichloroethene	24		1.0	0.81	ug/L			08/08/15 00:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 00:38	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 00:38	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 00:38	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 00:38	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 00:38	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 00:38	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 00:38	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 00:38	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 00:38	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 00:38	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 00:38	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 00:38	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 00:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 00:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 00:38	1
Trichloroethene	28		1.0	0.46	ug/L			08/08/15 00:38	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 00:38	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 00:38	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		08/08/15 00:38	1
4-Bromofluorobenzene (Surr)	99		73 - 120		08/08/15 00:38	1
Dibromofluoromethane (Surr)	106		60 - 140		08/08/15 00:38	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-27S

Date Collected: 07/29/15 12:10

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-16

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		71 - 126		08/08/15 00:38	1

Client Sample ID: 4009-27I

Date Collected: 07/29/15 12:13

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-17

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/08/15 01:01	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 01:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	J	1.0	0.31	ug/L			08/08/15 01:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 01:01	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/08/15 01:01	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 01:01	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 01:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 01:01	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 01:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 01:01	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 01:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 01:01	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 01:01	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 01:01	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 01:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 01:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 01:01	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 01:01	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 01:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 01:01	1
Acetone	10	U	10	3.0	ug/L			08/08/15 01:01	1
Benzene	1.0	U	1.0	0.41	ug/L			08/08/15 01:01	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 01:01	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 01:01	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 01:01	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 01:01	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 01:01	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 01:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 01:01	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 01:01	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 01:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/08/15 01:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 01:01	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 01:01	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 01:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 01:01	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 01:01	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 01:01	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 01:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 01:01	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-271

Lab Sample ID: 480-84784-17

Date Collected: 07/29/15 12:13

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 01:01	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 01:01	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 01:01	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 01:01	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 01:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 01:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 01:01	1
Trichloroethene	1.9		1.0	0.46	ug/L			08/08/15 01:01	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 01:01	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 01:01	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 01:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137					08/08/15 01:01	1
4-Bromofluorobenzene (Surr)	101		73 - 120					08/08/15 01:01	1
Dibromofluoromethane (Surr)	103		60 - 140					08/08/15 01:01	1
Toluene-d8 (Surr)	105		71 - 126					08/08/15 01:01	1

Client Sample ID: 4009-27D

Lab Sample ID: 480-84784-18

Date Collected: 07/29/15 12:17

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/08/15 01:23	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 01:23	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 01:23	1
1,1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 01:23	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/08/15 01:23	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 01:23	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 01:23	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 01:23	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 01:23	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 01:23	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 01:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 01:23	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 01:23	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 01:23	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 01:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 01:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 01:23	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 01:23	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 01:23	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 01:23	1
Acetone	10	U	10	3.0	ug/L			08/08/15 01:23	1
Benzene	1.0	U	1.0	0.41	ug/L			08/08/15 01:23	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 01:23	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 01:23	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 01:23	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 01:23	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-27D

Lab Sample ID: 480-84784-18

Date Collected: 07/29/15 12:17

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 01:23	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 01:23	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 01:23	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 01:23	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 01:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/08/15 01:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 01:23	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 01:23	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 01:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 01:23	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 01:23	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 01:23	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 01:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 01:23	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 01:23	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 01:23	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 01:23	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 01:23	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 01:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 01:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 01:23	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/08/15 01:23	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 01:23	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 01:23	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		08/08/15 01:23	1
4-Bromofluorobenzene (Surr)	102		73 - 120		08/08/15 01:23	1
Dibromofluoromethane (Surr)	105		60 - 140		08/08/15 01:23	1
Toluene-d8 (Surr)	105		71 - 126		08/08/15 01:23	1

Client Sample ID: 4009-28

Lab Sample ID: 480-84784-19

Date Collected: 07/29/15 09:53

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.9		1.0	0.82	ug/L			08/08/15 01:46	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 01:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 01:46	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 01:46	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/08/15 01:46	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 01:46	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 01:46	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 01:46	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 01:46	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 01:46	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 01:46	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 01:46	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-28

Lab Sample ID: 480-84784-19

Date Collected: 07/29/15 09:53

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 01:46	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 01:46	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 01:46	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 01:46	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 01:46	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 01:46	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 01:46	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 01:46	1
Acetone	10	U	10	3.0	ug/L			08/08/15 01:46	1
Benzene	1.0	U	1.0	0.41	ug/L			08/08/15 01:46	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 01:46	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 01:46	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 01:46	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 01:46	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 01:46	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 01:46	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 01:46	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 01:46	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 01:46	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/08/15 01:46	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 01:46	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 01:46	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 01:46	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 01:46	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 01:46	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 01:46	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 01:46	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 01:46	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 01:46	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 01:46	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 01:46	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 01:46	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 01:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 01:46	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 01:46	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/08/15 01:46	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 01:46	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 01:46	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 01:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		08/08/15 01:46	1
4-Bromofluorobenzene (Surr)	101		73 - 120		08/08/15 01:46	1
Dibromofluoromethane (Surr)	104		60 - 140		08/08/15 01:46	1
Toluene-d8 (Surr)	105		71 - 126		08/08/15 01:46	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-29S

Lab Sample ID: 480-84784-20

Date Collected: 07/29/15 12:00

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	740	E	1.0	0.82	ug/L			08/08/15 02:08	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 02:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	9.8		1.0	0.31	ug/L			08/08/15 02:08	1
1,1,2-Trichloroethane	0.38	J	1.0	0.23	ug/L			08/08/15 02:08	1
1,1-Dichloroethane	48		1.0	0.38	ug/L			08/08/15 02:08	1
1,1-Dichloroethene	98		1.0	0.29	ug/L			08/08/15 02:08	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 02:08	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 02:08	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 02:08	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 02:08	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 02:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 02:08	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 02:08	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 02:08	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 02:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 02:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 02:08	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 02:08	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 02:08	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 02:08	1
Acetone	10	U	10	3.0	ug/L			08/08/15 02:08	1
Benzene	0.90	J	1.0	0.41	ug/L			08/08/15 02:08	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 02:08	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 02:08	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 02:08	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 02:08	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 02:08	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 02:08	1
Chloroethane	1.6		1.0	0.32	ug/L			08/08/15 02:08	1
Chloroform	0.52	J	1.0	0.34	ug/L			08/08/15 02:08	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 02:08	1
cis-1,2-Dichloroethene	390	E	1.0	0.81	ug/L			08/08/15 02:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 02:08	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 02:08	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 02:08	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 02:08	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 02:08	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 02:08	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 02:08	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 02:08	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 02:08	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 02:08	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 02:08	1
Tetrachloroethene	0.44	J	1.0	0.36	ug/L			08/08/15 02:08	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 02:08	1
trans-1,2-Dichloroethene	1.6		1.0	0.90	ug/L			08/08/15 02:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 02:08	1
Trichloroethene	3.1		1.0	0.46	ug/L			08/08/15 02:08	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 02:08	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-29S

Lab Sample ID: 480-84784-20

Date Collected: 07/29/15 12:00

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	56		1.0	0.90	ug/L			08/08/15 02:08	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137					08/08/15 02:08	1
4-Bromofluorobenzene (Surr)	100		73 - 120					08/08/15 02:08	1
Dibromofluoromethane (Surr)	105		60 - 140					08/08/15 02:08	1
Toluene-d8 (Surr)	103		71 - 126					08/08/15 02:08	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	850		20	16	ug/L			08/08/15 14:56	20
1,1,2,2-Tetrachloroethane	20	U	20	4.2	ug/L			08/08/15 14:56	20
1,1,2-Trichloro-1,2,2-trifluoroethane	7.3	J	20	6.2	ug/L			08/08/15 14:56	20
1,1,2-Trichloroethane	20	U	20	4.6	ug/L			08/08/15 14:56	20
1,1-Dichloroethane	55		20	7.6	ug/L			08/08/15 14:56	20
1,1-Dichloroethene	130		20	5.8	ug/L			08/08/15 14:56	20
1,2,3-Trimethylbenzene	20	U	20	5.2	ug/L			08/08/15 14:56	20
1,2,4-Trichlorobenzene	20	U	20	8.2	ug/L			08/08/15 14:56	20
1,2,4-Trimethylbenzene	20	U	20	15	ug/L			08/08/15 14:56	20
1,2-Dibromo-3-Chloropropane	20	U	20	7.8	ug/L			08/08/15 14:56	20
1,2-Dibromoethane	20	U	20	15	ug/L			08/08/15 14:56	20
1,2-Dichlorobenzene	20	U	20	16	ug/L			08/08/15 14:56	20
1,2-Dichloroethane	20	U	20	4.2	ug/L			08/08/15 14:56	20
1,2-Dichloropropane	20	U	20	14	ug/L			08/08/15 14:56	20
1,3,5-Trimethylbenzene	20	U	20	15	ug/L			08/08/15 14:56	20
1,3-Dichlorobenzene	20	U	20	16	ug/L			08/08/15 14:56	20
1,4-Dichlorobenzene	20	U	20	17	ug/L			08/08/15 14:56	20
2-Butanone (MEK)	200	U	200	26	ug/L			08/08/15 14:56	20
2-Hexanone	100	U	100	25	ug/L			08/08/15 14:56	20
4-Methyl-2-pentanone (MIBK)	100	U	100	42	ug/L			08/08/15 14:56	20
Acetone	200	U	200	60	ug/L			08/08/15 14:56	20
Benzene	20	U	20	8.2	ug/L			08/08/15 14:56	20
Bromodichloromethane	20	U	20	7.8	ug/L			08/08/15 14:56	20
Bromoform	20	U	20	5.2	ug/L			08/08/15 14:56	20
Bromomethane	20	U	20	14	ug/L			08/08/15 14:56	20
Carbon disulfide	20	U	20	3.8	ug/L			08/08/15 14:56	20
Carbon tetrachloride	20	U	20	5.4	ug/L			08/08/15 14:56	20
Chlorobenzene	20	U	20	15	ug/L			08/08/15 14:56	20
Chloroethane	20	U	20	6.4	ug/L			08/08/15 14:56	20
Chloroform	20	U	20	6.8	ug/L			08/08/15 14:56	20
Chloromethane	20	U	20	7.0	ug/L			08/08/15 14:56	20
cis-1,2-Dichloroethene	480		20	16	ug/L			08/08/15 14:56	20
cis-1,3-Dichloropropene	20	U	20	7.2	ug/L			08/08/15 14:56	20
Cyclohexane	20	U	20	3.6	ug/L			08/08/15 14:56	20
Dibromochloromethane	20	U	20	6.4	ug/L			08/08/15 14:56	20
Dichlorodifluoromethane	20	U	20	14	ug/L			08/08/15 14:56	20
Ethylbenzene	20	U	20	15	ug/L			08/08/15 14:56	20
Isopropylbenzene	20	U	20	16	ug/L			08/08/15 14:56	20

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-29S

Lab Sample ID: 480-84784-20

Date Collected: 07/29/15 12:00

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	50	U	50	26	ug/L			08/08/15 14:56	20
Methyl tert-butyl ether	20	U	20	3.2	ug/L			08/08/15 14:56	20
Methylcyclohexane	20	U	20	3.2	ug/L			08/08/15 14:56	20
Methylene Chloride	20	U	20	8.8	ug/L			08/08/15 14:56	20
Styrene	20	U	20	15	ug/L			08/08/15 14:56	20
Tetrachloroethene	20	U	20	7.2	ug/L			08/08/15 14:56	20
Toluene	20	U	20	10	ug/L			08/08/15 14:56	20
trans-1,2-Dichloroethene	20	U	20	18	ug/L			08/08/15 14:56	20
trans-1,3-Dichloropropene	20	U	20	7.4	ug/L			08/08/15 14:56	20
Trichloroethene	20	U	20	9.2	ug/L			08/08/15 14:56	20
Trichlorofluoromethane	20	U	20	18	ug/L			08/08/15 14:56	20
Vinyl chloride	65		20	18	ug/L			08/08/15 14:56	20
Xylenes, Total	40	U	40	13	ug/L			08/08/15 14:56	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		66 - 137		08/08/15 14:56	20
4-Bromofluorobenzene (Surr)	98		73 - 120		08/08/15 14:56	20
Dibromofluoromethane (Surr)	104		60 - 140		08/08/15 14:56	20
Toluene-d8 (Surr)	102		71 - 126		08/08/15 14:56	20

Client Sample ID: 4009-29I

Lab Sample ID: 480-84784-21

Date Collected: 07/29/15 12:03

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1400	E	1.0	0.82	ug/L			08/08/15 02:30	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 02:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	21		1.0	0.31	ug/L			08/08/15 02:30	1
1,1,2-Trichloroethane	0.78	J	1.0	0.23	ug/L			08/08/15 02:30	1
1,1-Dichloroethane	84		1.0	0.38	ug/L			08/08/15 02:30	1
1,1-Dichloroethene	200	E	1.0	0.29	ug/L			08/08/15 02:30	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 02:30	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 02:30	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 02:30	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 02:30	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 02:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 02:30	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 02:30	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 02:30	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 02:30	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 02:30	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 02:30	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 02:30	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 02:30	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 02:30	1
Acetone	10	U	10	3.0	ug/L			08/08/15 02:30	1
Benzene	0.66	J	1.0	0.41	ug/L			08/08/15 02:30	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 02:30	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-29I

Lab Sample ID: 480-84784-21

Date Collected: 07/29/15 12:03

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 02:30	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 02:30	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 02:30	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 02:30	1
Chlorobenzene	1.7		1.0	0.75	ug/L			08/08/15 02:30	1
Chloroethane	4.3		1.0	0.32	ug/L			08/08/15 02:30	1
Chloroform	1.0		1.0	0.34	ug/L			08/08/15 02:30	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 02:30	1
cis-1,2-Dichloroethene	440 E		1.0	0.81	ug/L			08/08/15 02:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 02:30	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 02:30	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 02:30	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 02:30	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 02:30	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 02:30	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 02:30	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 02:30	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 02:30	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 02:30	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 02:30	1
Tetrachloroethene	2.1		1.0	0.36	ug/L			08/08/15 02:30	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 02:30	1
trans-1,2-Dichloroethene	3.3		1.0	0.90	ug/L			08/08/15 02:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 02:30	1
Trichloroethene	460 E		1.0	0.46	ug/L			08/08/15 02:30	1
Trichlorofluoromethane	1.3		1.0	0.88	ug/L			08/08/15 02:30	1
Vinyl chloride	120 E		1.0	0.90	ug/L			08/08/15 02:30	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		08/08/15 02:30	1
4-Bromofluorobenzene (Surr)	98		73 - 120		08/08/15 02:30	1
Dibromofluoromethane (Surr)	105		60 - 140		08/08/15 02:30	1
Toluene-d8 (Surr)	104		71 - 126		08/08/15 02:30	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1700		40	33	ug/L			08/08/15 15:18	40
1,1,2,2-Tetrachloroethane	40	U	40	8.4	ug/L			08/08/15 15:18	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40	U	40	12	ug/L			08/08/15 15:18	40
1,1,2-Trichloroethane	40	U	40	9.2	ug/L			08/08/15 15:18	40
1,1-Dichloroethane	100		40	15	ug/L			08/08/15 15:18	40
1,1-Dichloroethene	240		40	12	ug/L			08/08/15 15:18	40
1,2,3-Trimethylbenzene	40	U	40	10	ug/L			08/08/15 15:18	40
1,2,4-Trichlorobenzene	40	U	40	16	ug/L			08/08/15 15:18	40
1,2,4-Trimethylbenzene	40	U	40	30	ug/L			08/08/15 15:18	40
1,2-Dibromo-3-Chloropropane	40	U	40	16	ug/L			08/08/15 15:18	40
1,2-Dibromoethane	40	U	40	29	ug/L			08/08/15 15:18	40
1,2-Dichlorobenzene	40	U	40	32	ug/L			08/08/15 15:18	40
1,2-Dichloroethane	40	U	40	8.4	ug/L			08/08/15 15:18	40

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-29I

Lab Sample ID: 480-84784-21

Date Collected: 07/29/15 12:03

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	40	U	40	29	ug/L			08/08/15 15:18	40
1,3,5-Trimethylbenzene	40	U	40	31	ug/L			08/08/15 15:18	40
1,3-Dichlorobenzene	40	U	40	31	ug/L			08/08/15 15:18	40
1,4-Dichlorobenzene	40	U	40	34	ug/L			08/08/15 15:18	40
2-Butanone (MEK)	400	U	400	53	ug/L			08/08/15 15:18	40
2-Hexanone	200	U	200	50	ug/L			08/08/15 15:18	40
4-Methyl-2-pentanone (MIBK)	200	U	200	84	ug/L			08/08/15 15:18	40
Acetone	400	U	400	120	ug/L			08/08/15 15:18	40
Benzene	40	U	40	16	ug/L			08/08/15 15:18	40
Bromodichloromethane	40	U	40	16	ug/L			08/08/15 15:18	40
Bromoform	40	U	40	10	ug/L			08/08/15 15:18	40
Bromomethane	40	U	40	28	ug/L			08/08/15 15:18	40
Carbon disulfide	40	U	40	7.6	ug/L			08/08/15 15:18	40
Carbon tetrachloride	40	U	40	11	ug/L			08/08/15 15:18	40
Chlorobenzene	40	U	40	30	ug/L			08/08/15 15:18	40
Chloroethane	40	U	40	13	ug/L			08/08/15 15:18	40
Chloroform	40	U	40	14	ug/L			08/08/15 15:18	40
Chloromethane	40	U	40	14	ug/L			08/08/15 15:18	40
cis-1,2-Dichloroethene	530		40	32	ug/L			08/08/15 15:18	40
cis-1,3-Dichloropropene	40	U	40	14	ug/L			08/08/15 15:18	40
Cyclohexane	40	U	40	7.2	ug/L			08/08/15 15:18	40
Dibromochloromethane	40	U	40	13	ug/L			08/08/15 15:18	40
Dichlorodifluoromethane	40	U	40	27	ug/L			08/08/15 15:18	40
Ethylbenzene	40	U	40	30	ug/L			08/08/15 15:18	40
Isopropylbenzene	40	U	40	32	ug/L			08/08/15 15:18	40
Methyl acetate	100	U	100	52	ug/L			08/08/15 15:18	40
Methyl tert-butyl ether	40	U	40	6.4	ug/L			08/08/15 15:18	40
Methylcyclohexane	40	U	40	6.4	ug/L			08/08/15 15:18	40
Methylene Chloride	40	U	40	18	ug/L			08/08/15 15:18	40
Styrene	40	U	40	29	ug/L			08/08/15 15:18	40
Tetrachloroethene	40	U	40	14	ug/L			08/08/15 15:18	40
Toluene	40	U	40	20	ug/L			08/08/15 15:18	40
trans-1,2-Dichloroethene	40	U	40	36	ug/L			08/08/15 15:18	40
trans-1,3-Dichloropropene	40	U	40	15	ug/L			08/08/15 15:18	40
Trichloroethene	550		40	18	ug/L			08/08/15 15:18	40
Trichlorofluoromethane	40	U	40	35	ug/L			08/08/15 15:18	40
Vinyl chloride	140		40	36	ug/L			08/08/15 15:18	40
Xylenes, Total	80	U	80	26	ug/L			08/08/15 15:18	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		08/08/15 15:18	40
4-Bromofluorobenzene (Surr)	101		73 - 120		08/08/15 15:18	40
Dibromofluoromethane (Surr)	105		60 - 140		08/08/15 15:18	40
Toluene-d8 (Surr)	104		71 - 126		08/08/15 15:18	40

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-29D

Lab Sample ID: 480-84784-22

Date Collected: 07/29/15 12:07

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	30		1.0	0.82	ug/L			08/08/15 15:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 15:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 15:40	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 15:40	1
1,1-Dichloroethane	12		1.0	0.38	ug/L			08/08/15 15:40	1
1,1-Dichloroethene	5.7		1.0	0.29	ug/L			08/08/15 15:40	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 15:40	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 15:40	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 15:40	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 15:40	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 15:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 15:40	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 15:40	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 15:40	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 15:40	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 15:40	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 15:40	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 15:40	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 15:40	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 15:40	1
Acetone	10	U	10	3.0	ug/L			08/08/15 15:40	1
Benzene	0.70	J	1.0	0.41	ug/L			08/08/15 15:40	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 15:40	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 15:40	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 15:40	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 15:40	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 15:40	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 15:40	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 15:40	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 15:40	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 15:40	1
cis-1,2-Dichloroethene	37		1.0	0.81	ug/L			08/08/15 15:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 15:40	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 15:40	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 15:40	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 15:40	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 15:40	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 15:40	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 15:40	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 15:40	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 15:40	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 15:40	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 15:40	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 15:40	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 15:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 15:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 15:40	1
Trichloroethene	0.78	J	1.0	0.46	ug/L			08/08/15 15:40	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 15:40	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-29D

Lab Sample ID: 480-84784-22

Date Collected: 07/29/15 12:07

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	7.8		1.0	0.90	ug/L			08/08/15 15:40	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137					08/08/15 15:40	1
4-Bromofluorobenzene (Surr)	99		73 - 120					08/08/15 15:40	1
Dibromofluoromethane (Surr)	103		60 - 140					08/08/15 15:40	1
Toluene-d8 (Surr)	104		71 - 126					08/08/15 15:40	1

Client Sample ID: 4009-30

Lab Sample ID: 480-84784-23

Date Collected: 07/29/15 11:20

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/08/15 03:14	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 03:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 03:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 03:14	1
1,1-Dichloroethane	0.82	J	1.0	0.38	ug/L			08/08/15 03:14	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 03:14	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 03:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 03:14	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 03:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 03:14	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 03:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 03:14	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 03:14	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 03:14	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 03:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 03:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 03:14	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 03:14	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 03:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 03:14	1
Acetone	10	U	10	3.0	ug/L			08/08/15 03:14	1
Benzene	1.0	U	1.0	0.41	ug/L			08/08/15 03:14	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 03:14	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 03:14	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 03:14	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 03:14	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 03:14	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 03:14	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 03:14	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 03:14	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 03:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/08/15 03:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 03:14	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 03:14	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 03:14	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-30

Date Collected: 07/29/15 11:20

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-23

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 03:14	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 03:14	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 03:14	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 03:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 03:14	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 03:14	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 03:14	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 03:14	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 03:14	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 03:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 03:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 03:14	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/08/15 03:14	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 03:14	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 03:14	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 03:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		08/08/15 03:14	1
4-Bromofluorobenzene (Surr)	98		73 - 120		08/08/15 03:14	1
Dibromofluoromethane (Surr)	105		60 - 140		08/08/15 03:14	1
Toluene-d8 (Surr)	103		71 - 126		08/08/15 03:14	1

Client Sample ID: 4009-30A

Date Collected: 07/29/15 11:25

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-24

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/08/15 16:02	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 16:02	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 16:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 16:02	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/08/15 16:02	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 16:02	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 16:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 16:02	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 16:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 16:02	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 16:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 16:02	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 16:02	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 16:02	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 16:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 16:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 16:02	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 16:02	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 16:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 16:02	1
Acetone	10	U	10	3.0	ug/L			08/08/15 16:02	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-30A

Lab Sample ID: 480-84784-24

Date Collected: 07/29/15 11:25

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.5		1.0	0.41	ug/L			08/08/15 16:02	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 16:02	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 16:02	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 16:02	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 16:02	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 16:02	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 16:02	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 16:02	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 16:02	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 16:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/08/15 16:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 16:02	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 16:02	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 16:02	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 16:02	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 16:02	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 16:02	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 16:02	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 16:02	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 16:02	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 16:02	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 16:02	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 16:02	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 16:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 16:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 16:02	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/08/15 16:02	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 16:02	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 16:02	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		08/08/15 16:02	1
4-Bromofluorobenzene (Surr)	100		73 - 120		08/08/15 16:02	1
Dibromofluoromethane (Surr)	104		60 - 140		08/08/15 16:02	1
Toluene-d8 (Surr)	105		71 - 126		08/08/15 16:02	1

Client Sample ID: WELL 1-1

Lab Sample ID: 480-84784-25

Date Collected: 07/29/15 09:44

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	240	E	1.0	0.82	ug/L			08/08/15 03:58	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 03:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.7		1.0	0.31	ug/L			08/08/15 03:58	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 03:58	1
1,1-Dichloroethane	18		1.0	0.38	ug/L			08/08/15 03:58	1
1,1-Dichloroethene	34		1.0	0.29	ug/L			08/08/15 03:58	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: WELL 1-1

Lab Sample ID: 480-84784-25

Date Collected: 07/29/15 09:44

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 03:58	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 03:58	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 03:58	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 03:58	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 03:58	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 03:58	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 03:58	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 03:58	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 03:58	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 03:58	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 03:58	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 03:58	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 03:58	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 03:58	1
Acetone	10	U	10	3.0	ug/L			08/08/15 03:58	1
Benzene	1.0	U	1.0	0.41	ug/L			08/08/15 03:58	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 03:58	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 03:58	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 03:58	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 03:58	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 03:58	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 03:58	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 03:58	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 03:58	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 03:58	1
cis-1,2-Dichloroethene	68		1.0	0.81	ug/L			08/08/15 03:58	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 03:58	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 03:58	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 03:58	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 03:58	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 03:58	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 03:58	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 03:58	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 03:58	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 03:58	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 03:58	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 03:58	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 03:58	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 03:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 03:58	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 03:58	1
Trichloroethene	67		1.0	0.46	ug/L			08/08/15 03:58	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 03:58	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 03:58	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 03:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		08/08/15 03:58	1
4-Bromofluorobenzene (Surr)	99		73 - 120		08/08/15 03:58	1
Dibromofluoromethane (Surr)	109		60 - 140		08/08/15 03:58	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: WELL 1-1

Lab Sample ID: 480-84784-25

Date Collected: 07/29/15 09:44

Matrix: Water

Date Received: 07/30/15 01:40

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		71 - 126		08/08/15 03:58	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	240		5.0	4.1	ug/L			08/08/15 16:24	5
1,1,1,2-Tetrachloroethane	5.0	U	5.0	1.1	ug/L			08/08/15 16:24	5
1,1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.6	ug/L			08/08/15 16:24	5
1,1,2-Trichloroethane	5.0	U	5.0	1.2	ug/L			08/08/15 16:24	5
1,1-Dichloroethane	18		5.0	1.9	ug/L			08/08/15 16:24	5
1,1-Dichloroethene	30		5.0	1.5	ug/L			08/08/15 16:24	5
1,2,3-Trimethylbenzene	5.0	U	5.0	1.3	ug/L			08/08/15 16:24	5
1,2,4-Trichlorobenzene	5.0	U	5.0	2.1	ug/L			08/08/15 16:24	5
1,2,4-Trimethylbenzene	5.0	U	5.0	3.8	ug/L			08/08/15 16:24	5
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.0	ug/L			08/08/15 16:24	5
1,2-Dibromoethane	5.0	U	5.0	3.7	ug/L			08/08/15 16:24	5
1,2-Dichlorobenzene	5.0	U	5.0	4.0	ug/L			08/08/15 16:24	5
1,2-Dichloroethane	5.0	U	5.0	1.1	ug/L			08/08/15 16:24	5
1,2-Dichloropropane	5.0	U	5.0	3.6	ug/L			08/08/15 16:24	5
1,3,5-Trimethylbenzene	5.0	U	5.0	3.9	ug/L			08/08/15 16:24	5
1,3-Dichlorobenzene	5.0	U	5.0	3.9	ug/L			08/08/15 16:24	5
1,4-Dichlorobenzene	5.0	U	5.0	4.2	ug/L			08/08/15 16:24	5
2-Butanone (MEK)	50	U	50	6.6	ug/L			08/08/15 16:24	5
2-Hexanone	25	U	25	6.2	ug/L			08/08/15 16:24	5
4-Methyl-2-pentanone (MIBK)	25	U	25	11	ug/L			08/08/15 16:24	5
Acetone	50	U	50	15	ug/L			08/08/15 16:24	5
Benzene	5.0	U	5.0	2.1	ug/L			08/08/15 16:24	5
Bromodichloromethane	5.0	U	5.0	2.0	ug/L			08/08/15 16:24	5
Bromoform	5.0	U	5.0	1.3	ug/L			08/08/15 16:24	5
Bromomethane	5.0	U	5.0	3.5	ug/L			08/08/15 16:24	5
Carbon disulfide	5.0	U	5.0	0.95	ug/L			08/08/15 16:24	5
Carbon tetrachloride	5.0	U	5.0	1.4	ug/L			08/08/15 16:24	5
Chlorobenzene	5.0	U	5.0	3.8	ug/L			08/08/15 16:24	5
Chloroethane	5.0	U	5.0	1.6	ug/L			08/08/15 16:24	5
Chloroform	5.0	U	5.0	1.7	ug/L			08/08/15 16:24	5
Chloromethane	5.0	U	5.0	1.8	ug/L			08/08/15 16:24	5
cis-1,2-Dichloroethene	66		5.0	4.1	ug/L			08/08/15 16:24	5
cis-1,3-Dichloropropene	5.0	U	5.0	1.8	ug/L			08/08/15 16:24	5
Cyclohexane	5.0	U	5.0	0.90	ug/L			08/08/15 16:24	5
Dibromochloromethane	5.0	U	5.0	1.6	ug/L			08/08/15 16:24	5
Dichlorodifluoromethane	5.0	U	5.0	3.4	ug/L			08/08/15 16:24	5
Ethylbenzene	5.0	U	5.0	3.7	ug/L			08/08/15 16:24	5
Isopropylbenzene	5.0	U	5.0	4.0	ug/L			08/08/15 16:24	5
Methyl acetate	13	U	13	6.5	ug/L			08/08/15 16:24	5
Methyl tert-butyl ether	5.0	U	5.0	0.80	ug/L			08/08/15 16:24	5
Methylcyclohexane	5.0	U	5.0	0.80	ug/L			08/08/15 16:24	5
Methylene Chloride	5.0	U	5.0	2.2	ug/L			08/08/15 16:24	5
Styrene	5.0	U	5.0	3.7	ug/L			08/08/15 16:24	5
Tetrachloroethene	5.0	U	5.0	1.8	ug/L			08/08/15 16:24	5
Toluene	5.0	U	5.0	2.6	ug/L			08/08/15 16:24	5

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: WELL 1-1

Lab Sample ID: 480-84784-25

Date Collected: 07/29/15 09:44

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	5.0	U	5.0	4.5	ug/L			08/08/15 16:24	5
trans-1,3-Dichloropropene	5.0	U	5.0	1.9	ug/L			08/08/15 16:24	5
Trichloroethene	64		5.0	2.3	ug/L			08/08/15 16:24	5
Trichlorofluoromethane	5.0	U	5.0	4.4	ug/L			08/08/15 16:24	5
Vinyl chloride	5.0	U	5.0	4.5	ug/L			08/08/15 16:24	5
Xylenes, Total	10	U	10	3.3	ug/L			08/08/15 16:24	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		08/08/15 16:24	5
4-Bromofluorobenzene (Surr)	102		73 - 120		08/08/15 16:24	5
Dibromofluoromethane (Surr)	109		60 - 140		08/08/15 16:24	5
Toluene-d8 (Surr)	105		71 - 126		08/08/15 16:24	5

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-84784-26

Date Collected: 07/29/15 11:02

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/10/15 14:23	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 14:23	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/10/15 14:23	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/10/15 14:23	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/10/15 14:23	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/10/15 14:23	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/10/15 14:23	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/10/15 14:23	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/10/15 14:23	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/10/15 14:23	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/10/15 14:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/10/15 14:23	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 14:23	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/10/15 14:23	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/10/15 14:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/10/15 14:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/10/15 14:23	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/10/15 14:23	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/10/15 14:23	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/10/15 14:23	1
Acetone	10	U	10	3.0	ug/L			08/10/15 14:23	1
Benzene	1.0	U	1.0	0.41	ug/L			08/10/15 14:23	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/10/15 14:23	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/10/15 14:23	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/10/15 14:23	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/10/15 14:23	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/10/15 14:23	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/10/15 14:23	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/10/15 14:23	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/10/15 14:23	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/10/15 14:23	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-84784-26

Date Collected: 07/29/15 11:02

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/10/15 14:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/10/15 14:23	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/10/15 14:23	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/10/15 14:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/10/15 14:23	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/10/15 14:23	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/10/15 14:23	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/10/15 14:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/10/15 14:23	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/10/15 14:23	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/10/15 14:23	1
Styrene	1.0	U	1.0	0.73	ug/L			08/10/15 14:23	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/10/15 14:23	1
Toluene	1.0	U	1.0	0.51	ug/L			08/10/15 14:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/10/15 14:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/10/15 14:23	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/10/15 14:23	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/10/15 14:23	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/10/15 14:23	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/10/15 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		08/10/15 14:23	1
4-Bromofluorobenzene (Surr)	101		73 - 120		08/10/15 14:23	1
Dibromofluoromethane (Surr)	105		60 - 140		08/10/15 14:23	1
Toluene-d8 (Surr)	104		71 - 126		08/10/15 14:23	1

Client Sample ID: WELL 1-3

Lab Sample ID: 480-84784-27

Date Collected: 07/29/15 10:59

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/10/15 14:45	1
1,1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 14:45	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/10/15 14:45	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/10/15 14:45	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/10/15 14:45	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/10/15 14:45	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/10/15 14:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/10/15 14:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/10/15 14:45	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/10/15 14:45	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/10/15 14:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/10/15 14:45	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 14:45	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/10/15 14:45	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/10/15 14:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/10/15 14:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/10/15 14:45	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: WELL 1-3

Lab Sample ID: 480-84784-27

Date Collected: 07/29/15 10:59

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/10/15 14:45	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/10/15 14:45	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/10/15 14:45	1
Acetone	10	U	10	3.0	ug/L			08/10/15 14:45	1
Benzene	1.0	U	1.0	0.41	ug/L			08/10/15 14:45	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/10/15 14:45	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/10/15 14:45	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/10/15 14:45	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/10/15 14:45	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/10/15 14:45	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/10/15 14:45	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/10/15 14:45	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/10/15 14:45	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/10/15 14:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/10/15 14:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/10/15 14:45	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/10/15 14:45	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/10/15 14:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/10/15 14:45	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/10/15 14:45	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/10/15 14:45	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/10/15 14:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/10/15 14:45	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/10/15 14:45	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/10/15 14:45	1
Styrene	1.0	U	1.0	0.73	ug/L			08/10/15 14:45	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/10/15 14:45	1
Toluene	1.0	U	1.0	0.51	ug/L			08/10/15 14:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/10/15 14:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/10/15 14:45	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/10/15 14:45	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/10/15 14:45	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/10/15 14:45	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/10/15 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		08/10/15 14:45	1
4-Bromofluorobenzene (Surr)	98		73 - 120		08/10/15 14:45	1
Dibromofluoromethane (Surr)	106		60 - 140		08/10/15 14:45	1
Toluene-d8 (Surr)	102		71 - 126		08/10/15 14:45	1

Client Sample ID: DUP-01

Lab Sample ID: 480-84784-28

Date Collected: 07/29/15 00:00

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	240		5.0	4.1	ug/L			08/08/15 16:46	5
1,1,1,2-Tetrachloroethane	5.0	U	5.0	1.1	ug/L			08/08/15 16:46	5
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.6	ug/L			08/08/15 16:46	5

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: DUP-01

Lab Sample ID: 480-84784-28

Date Collected: 07/29/15 00:00

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	5.0	U	5.0	1.2	ug/L			08/08/15 16:46	5
1,1-Dichloroethane	24		5.0	1.9	ug/L			08/08/15 16:46	5
1,1-Dichloroethene	29		5.0	1.5	ug/L			08/08/15 16:46	5
1,2,3-Trimethylbenzene	5.0	U	5.0	1.3	ug/L			08/08/15 16:46	5
1,2,4-Trichlorobenzene	5.0	U	5.0	2.1	ug/L			08/08/15 16:46	5
1,2,4-Trimethylbenzene	5.0	U	5.0	3.8	ug/L			08/08/15 16:46	5
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.0	ug/L			08/08/15 16:46	5
1,2-Dibromoethane	5.0	U	5.0	3.7	ug/L			08/08/15 16:46	5
1,2-Dichlorobenzene	5.0	U	5.0	4.0	ug/L			08/08/15 16:46	5
1,2-Dichloroethane	5.0	U	5.0	1.1	ug/L			08/08/15 16:46	5
1,2-Dichloropropane	5.0	U	5.0	3.6	ug/L			08/08/15 16:46	5
1,3,5-Trimethylbenzene	5.0	U	5.0	3.9	ug/L			08/08/15 16:46	5
1,3-Dichlorobenzene	5.0	U	5.0	3.9	ug/L			08/08/15 16:46	5
1,4-Dichlorobenzene	5.0	U	5.0	4.2	ug/L			08/08/15 16:46	5
2-Butanone (MEK)	50	U	50	6.6	ug/L			08/08/15 16:46	5
2-Hexanone	25	U	25	6.2	ug/L			08/08/15 16:46	5
4-Methyl-2-pentanone (MIBK)	25	U	25	11	ug/L			08/08/15 16:46	5
Acetone	50	U	50	15	ug/L			08/08/15 16:46	5
Benzene	5.0	U	5.0	2.1	ug/L			08/08/15 16:46	5
Bromodichloromethane	5.0	U	5.0	2.0	ug/L			08/08/15 16:46	5
Bromoform	5.0	U	5.0	1.3	ug/L			08/08/15 16:46	5
Bromomethane	5.0	U	5.0	3.5	ug/L			08/08/15 16:46	5
Carbon disulfide	5.0	U	5.0	0.95	ug/L			08/08/15 16:46	5
Carbon tetrachloride	5.0	U	5.0	1.4	ug/L			08/08/15 16:46	5
Chlorobenzene	5.0	U	5.0	3.8	ug/L			08/08/15 16:46	5
Chloroethane	5.0	U	5.0	1.6	ug/L			08/08/15 16:46	5
Chloroform	5.0	U	5.0	1.7	ug/L			08/08/15 16:46	5
Chloromethane	5.0	U	5.0	1.8	ug/L			08/08/15 16:46	5
cis-1,2-Dichloroethene	56		5.0	4.1	ug/L			08/08/15 16:46	5
cis-1,3-Dichloropropene	5.0	U	5.0	1.8	ug/L			08/08/15 16:46	5
Cyclohexane	5.0	U	5.0	0.90	ug/L			08/08/15 16:46	5
Dibromochloromethane	5.0	U	5.0	1.6	ug/L			08/08/15 16:46	5
Dichlorodifluoromethane	5.0	U	5.0	3.4	ug/L			08/08/15 16:46	5
Ethylbenzene	5.0	U	5.0	3.7	ug/L			08/08/15 16:46	5
Isopropylbenzene	5.0	U	5.0	4.0	ug/L			08/08/15 16:46	5
Methyl acetate	13	U	13	6.5	ug/L			08/08/15 16:46	5
Methyl tert-butyl ether	5.0	U	5.0	0.80	ug/L			08/08/15 16:46	5
Methylcyclohexane	5.0	U	5.0	0.80	ug/L			08/08/15 16:46	5
Methylene Chloride	5.0	U	5.0	2.2	ug/L			08/08/15 16:46	5
Styrene	5.0	U	5.0	3.7	ug/L			08/08/15 16:46	5
Tetrachloroethene	5.0	U	5.0	1.8	ug/L			08/08/15 16:46	5
Toluene	5.0	U	5.0	2.6	ug/L			08/08/15 16:46	5
trans-1,2-Dichloroethene	5.0	U	5.0	4.5	ug/L			08/08/15 16:46	5
trans-1,3-Dichloropropene	5.0	U	5.0	1.9	ug/L			08/08/15 16:46	5
Trichloroethene	54		5.0	2.3	ug/L			08/08/15 16:46	5
Trichlorofluoromethane	5.0	U	5.0	4.4	ug/L			08/08/15 16:46	5
Vinyl chloride	41		5.0	4.5	ug/L			08/08/15 16:46	5
Xylenes, Total	10	U	10	3.3	ug/L			08/08/15 16:46	5

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: DUP-01

Date Collected: 07/29/15 00:00

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-28

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		08/08/15 16:46	5
4-Bromofluorobenzene (Surr)	102		73 - 120		08/08/15 16:46	5
Dibromofluoromethane (Surr)	107		60 - 140		08/08/15 16:46	5
Toluene-d8 (Surr)	104		71 - 126		08/08/15 16:46	5

Client Sample ID: DUP-02

Date Collected: 07/29/15 00:00

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-29

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1700		20	16	ug/L			08/08/15 05:28	20
1,1,1,2-Tetrachloroethane	20	U	20	4.2	ug/L			08/08/15 05:28	20
1,1,2-Trichloro-1,2,2-trifluoroethane	20		20	6.2	ug/L			08/08/15 05:28	20
1,1,2-Trichloroethane	20	U	20	4.6	ug/L			08/08/15 05:28	20
1,1-Dichloroethane	97		20	7.6	ug/L			08/08/15 05:28	20
1,1-Dichloroethene	240		20	5.8	ug/L			08/08/15 05:28	20
1,2,3-Trimethylbenzene	20	U	20	5.2	ug/L			08/08/15 05:28	20
1,2,4-Trichlorobenzene	20	U	20	8.2	ug/L			08/08/15 05:28	20
1,2,4-Trimethylbenzene	20	U	20	15	ug/L			08/08/15 05:28	20
1,2-Dibromo-3-Chloropropane	20	U	20	7.8	ug/L			08/08/15 05:28	20
1,2-Dibromoethane	20	U	20	15	ug/L			08/08/15 05:28	20
1,2-Dichlorobenzene	20	U	20	16	ug/L			08/08/15 05:28	20
1,2-Dichloroethane	20	U	20	4.2	ug/L			08/08/15 05:28	20
1,2-Dichloropropane	20	U	20	14	ug/L			08/08/15 05:28	20
1,3,5-Trimethylbenzene	20	U	20	15	ug/L			08/08/15 05:28	20
1,3-Dichlorobenzene	20	U	20	16	ug/L			08/08/15 05:28	20
1,4-Dichlorobenzene	20	U	20	17	ug/L			08/08/15 05:28	20
2-Butanone (MEK)	200	U	200	26	ug/L			08/08/15 05:28	20
2-Hexanone	100	U	100	25	ug/L			08/08/15 05:28	20
4-Methyl-2-pentanone (MIBK)	100	U	100	42	ug/L			08/08/15 05:28	20
Acetone	200	U	200	60	ug/L			08/08/15 05:28	20
Benzene	20	U	20	8.2	ug/L			08/08/15 05:28	20
Bromodichloromethane	20	U	20	7.8	ug/L			08/08/15 05:28	20
Bromoform	20	U	20	5.2	ug/L			08/08/15 05:28	20
Bromomethane	20	U	20	14	ug/L			08/08/15 05:28	20
Carbon disulfide	20	U	20	3.8	ug/L			08/08/15 05:28	20
Carbon tetrachloride	20	U	20	5.4	ug/L			08/08/15 05:28	20
Chlorobenzene	20	U	20	15	ug/L			08/08/15 05:28	20
Chloroethane	20	U	20	6.4	ug/L			08/08/15 05:28	20
Chloroform	20	U	20	6.8	ug/L			08/08/15 05:28	20
Chloromethane	20	U	20	7.0	ug/L			08/08/15 05:28	20
cis-1,2-Dichloroethene	520		20	16	ug/L			08/08/15 05:28	20
cis-1,3-Dichloropropene	20	U	20	7.2	ug/L			08/08/15 05:28	20
Cyclohexane	20	U	20	3.6	ug/L			08/08/15 05:28	20
Dibromochloromethane	20	U	20	6.4	ug/L			08/08/15 05:28	20
Dichlorodifluoromethane	20	U	20	14	ug/L			08/08/15 05:28	20
Ethylbenzene	20	U	20	15	ug/L			08/08/15 05:28	20
Isopropylbenzene	20	U	20	16	ug/L			08/08/15 05:28	20

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: DUP-02

Lab Sample ID: 480-84784-29

Date Collected: 07/29/15 00:00

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	50	U	50	26	ug/L			08/08/15 05:28	20
Methyl tert-butyl ether	20	U	20	3.2	ug/L			08/08/15 05:28	20
Methylcyclohexane	20	U	20	3.2	ug/L			08/08/15 05:28	20
Methylene Chloride	20	U	20	8.8	ug/L			08/08/15 05:28	20
Styrene	20	U	20	15	ug/L			08/08/15 05:28	20
Tetrachloroethene	20	U	20	7.2	ug/L			08/08/15 05:28	20
Toluene	20	U	20	10	ug/L			08/08/15 05:28	20
trans-1,2-Dichloroethene	20	U	20	18	ug/L			08/08/15 05:28	20
trans-1,3-Dichloropropene	20	U	20	7.4	ug/L			08/08/15 05:28	20
Trichloroethene	550		20	9.2	ug/L			08/08/15 05:28	20
Trichlorofluoromethane	20	U	20	18	ug/L			08/08/15 05:28	20
Vinyl chloride	140		20	18	ug/L			08/08/15 05:28	20
Xylenes, Total	40	U	40	13	ug/L			08/08/15 05:28	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137					08/08/15 05:28	20
4-Bromofluorobenzene (Surr)	98		73 - 120					08/08/15 05:28	20
Dibromofluoromethane (Surr)	108		60 - 140					08/08/15 05:28	20
Toluene-d8 (Surr)	104		71 - 126					08/08/15 05:28	20

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-84784-30

Date Collected: 07/29/15 00:00

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/10/15 15:08	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 15:08	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/10/15 15:08	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/10/15 15:08	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/10/15 15:08	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/10/15 15:08	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/10/15 15:08	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/10/15 15:08	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/10/15 15:08	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/10/15 15:08	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/10/15 15:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/10/15 15:08	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 15:08	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/10/15 15:08	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/10/15 15:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/10/15 15:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/10/15 15:08	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/10/15 15:08	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/10/15 15:08	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/10/15 15:08	1
Acetone	10	U	10	3.0	ug/L			08/10/15 15:08	1
Benzene	1.0	U	1.0	0.41	ug/L			08/10/15 15:08	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/10/15 15:08	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/10/15 15:08	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-84784-30

Date Collected: 07/29/15 00:00

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	1.0	U	1.0	0.69	ug/L			08/10/15 15:08	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/10/15 15:08	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/10/15 15:08	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/10/15 15:08	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/10/15 15:08	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/10/15 15:08	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/10/15 15:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/10/15 15:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/10/15 15:08	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/10/15 15:08	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/10/15 15:08	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/10/15 15:08	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/10/15 15:08	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/10/15 15:08	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/10/15 15:08	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/10/15 15:08	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/10/15 15:08	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/10/15 15:08	1
Styrene	1.0	U	1.0	0.73	ug/L			08/10/15 15:08	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/10/15 15:08	1
Toluene	1.0	U	1.0	0.51	ug/L			08/10/15 15:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/10/15 15:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/10/15 15:08	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/10/15 15:08	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/10/15 15:08	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/10/15 15:08	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/10/15 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		08/10/15 15:08	1
4-Bromofluorobenzene (Surr)	98		73 - 120		08/10/15 15:08	1
Dibromofluoromethane (Surr)	106		60 - 140		08/10/15 15:08	1
Toluene-d8 (Surr)	101		71 - 126		08/10/15 15:08	1

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-84784-31

Date Collected: 07/29/15 09:48

Matrix: Water

Date Received: 07/30/15 01:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/10/15 15:30	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 15:30	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/10/15 15:30	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/10/15 15:30	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/10/15 15:30	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/10/15 15:30	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/10/15 15:30	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/10/15 15:30	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/10/15 15:30	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/10/15 15:30	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-84784-31

Date Collected: 07/29/15 09:48

Matrix: Water

Date Received: 07/30/15 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/10/15 15:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/10/15 15:30	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 15:30	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/10/15 15:30	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/10/15 15:30	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/10/15 15:30	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/10/15 15:30	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/10/15 15:30	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/10/15 15:30	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/10/15 15:30	1
Acetone	10	U	10	3.0	ug/L			08/10/15 15:30	1
Benzene	1.0	U	1.0	0.41	ug/L			08/10/15 15:30	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/10/15 15:30	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/10/15 15:30	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/10/15 15:30	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/10/15 15:30	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/10/15 15:30	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/10/15 15:30	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/10/15 15:30	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/10/15 15:30	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/10/15 15:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/10/15 15:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/10/15 15:30	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/10/15 15:30	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/10/15 15:30	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/10/15 15:30	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/10/15 15:30	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/10/15 15:30	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/10/15 15:30	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/10/15 15:30	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/10/15 15:30	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/10/15 15:30	1
Styrene	1.0	U	1.0	0.73	ug/L			08/10/15 15:30	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/10/15 15:30	1
Toluene	1.0	U	1.0	0.51	ug/L			08/10/15 15:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/10/15 15:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/10/15 15:30	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/10/15 15:30	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/10/15 15:30	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/10/15 15:30	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/10/15 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137		08/10/15 15:30	1
4-Bromofluorobenzene (Surr)	100		73 - 120		08/10/15 15:30	1
Dibromofluoromethane (Surr)	107		60 - 140		08/10/15 15:30	1
Toluene-d8 (Surr)	102		71 - 126		08/10/15 15:30	1

TestAmerica Buffalo

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (66-137)	BFB (73-120)	DBFM (60-140)	TOL (71-126)
480-84784-1	4009-9	98	99	103	104
480-84784-2	4009-10	95	100	103	104
480-84784-3	4009-11	100	104	103	105
480-84784-4	4009-11A	101	100	106	104
480-84784-5	4009-12	97	100	106	103
480-84784-6	4009-13	99	103	104	105
480-84784-7	4009-13A	100	101	104	105
480-84784-8	4009-14	95	97	102	103
480-84784-8 MS	4009-14	102	101	109	104
480-84784-8 MSD	4009-14	105	103	106	104
480-84784-9	4009-15	98	99	104	104
480-84784-10	4009-16	100	99	103	105
480-84784-11	4009-16A	96	101	101	103
480-84784-12	4009-18	100	97	103	102
480-84784-13	4009-19	98	99	102	102
480-84784-14	4009-21	97	100	106	102
480-84784-15	4009-22	100	101	107	102
480-84784-16	4009-27S	98	99	106	104
480-84784-17	4009-27I	99	101	103	105
480-84784-17 MS	4009-27I	106	101	107	104
480-84784-17 MSD	4009-27I	104	102	107	103
480-84784-18	4009-27D	99	102	105	105
480-84784-19	4009-28	98	101	104	105
480-84784-20	4009-29S	101	100	105	103
480-84784-20 - DL	4009-29S	94	98	104	102
480-84784-21	4009-29I	99	98	105	104
480-84784-21 - DL	4009-29I	96	101	105	104
480-84784-22	4009-29D	96	99	103	104
480-84784-23	4009-30	101	98	105	103
480-84784-24	4009-30A	98	100	104	105
480-84784-25	WELL 1-1	101	99	109	104
480-84784-25 - DL	WELL 1-1	100	102	109	105
480-84784-26	WELL 1-2A	99	101	105	104
480-84784-27	WELL 1-3	99	98	106	102
480-84784-28	DUP-01	99	102	107	104
480-84784-29	DUP-02	102	98	108	104
480-84784-30	TRIP BLANK	100	98	106	101
480-84784-31	FIELD BLANK	102	100	107	102
LCS 480-257698/5	Lab Control Sample	102	98	106	102
LCS 480-257721/4	Lab Control Sample	102	99	105	103
LCS 480-257812/5	Lab Control Sample	101	98	108	101
MB 480-257698/7	Method Blank	98	99	100	104
MB 480-257721/6	Method Blank	101	100	104	104
MB 480-257812/7	Method Blank	99	100	103	103

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

TOL = Toluene-d8 (Surr)

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QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-257698/7

Matrix: Water

Analysis Batch: 257698

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/07/15 22:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/07/15 22:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/07/15 22:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/07/15 22:57	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/07/15 22:57	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/07/15 22:57	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/07/15 22:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/07/15 22:57	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/07/15 22:57	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/07/15 22:57	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/07/15 22:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/07/15 22:57	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/07/15 22:57	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/07/15 22:57	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/07/15 22:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/07/15 22:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/07/15 22:57	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/07/15 22:57	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/07/15 22:57	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/07/15 22:57	1
Acetone	10	U	10	3.0	ug/L			08/07/15 22:57	1
Benzene	1.0	U	1.0	0.41	ug/L			08/07/15 22:57	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/07/15 22:57	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/07/15 22:57	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/07/15 22:57	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/07/15 22:57	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/07/15 22:57	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/07/15 22:57	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/07/15 22:57	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/07/15 22:57	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/07/15 22:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/07/15 22:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/07/15 22:57	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/07/15 22:57	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/07/15 22:57	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/07/15 22:57	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/07/15 22:57	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/07/15 22:57	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/07/15 22:57	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/07/15 22:57	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/07/15 22:57	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/07/15 22:57	1
Styrene	1.0	U	1.0	0.73	ug/L			08/07/15 22:57	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/07/15 22:57	1
Toluene	1.0	U	1.0	0.51	ug/L			08/07/15 22:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/07/15 22:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/07/15 22:57	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/07/15 22:57	1

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

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

Lab Sample ID: MB 480-257698/7

Matrix: Water

Analysis Batch: 257698

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/07/15 22:57	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/07/15 22:57	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/07/15 22:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		08/07/15 22:57	1
4-Bromofluorobenzene (Surr)	99		73 - 120		08/07/15 22:57	1
Dibromofluoromethane (Surr)	100		60 - 140		08/07/15 22:57	1
Toluene-d8 (Surr)	104		71 - 126		08/07/15 22:57	1

Lab Sample ID: LCS 480-257698/5

Matrix: Water

Analysis Batch: 257698

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.5		ug/L		98	71 - 129
1,1-Dichloroethene	25.0	21.2		ug/L		85	58 - 121
1,2,4-Trimethylbenzene	25.0	25.7		ug/L		103	76 - 121
1,2-Dichlorobenzene	25.0	26.4		ug/L		106	80 - 124
1,2-Dichloroethane	25.0	24.5		ug/L		98	75 - 127
1,3,5-Trimethylbenzene	25.0	25.6		ug/L		102	77 - 121
Benzene	25.0	25.2		ug/L		101	71 - 124
Chlorobenzene	25.0	25.9		ug/L		104	72 - 120
cis-1,2-Dichloroethene	25.0	26.4		ug/L		105	74 - 124
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Methyl tert-butyl ether	25.0	25.8		ug/L		103	64 - 127
Tetrachloroethene	25.0	24.5		ug/L		98	74 - 122
Toluene	25.0	24.9		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	20.7		ug/L		83	73 - 127
Trichloroethene	25.0	24.9		ug/L		99	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
4-Bromofluorobenzene (Surr)	98		73 - 120
Dibromofluoromethane (Surr)	106		60 - 140
Toluene-d8 (Surr)	102		71 - 126

Lab Sample ID: 480-84784-17 MS

Matrix: Water

Analysis Batch: 257698

Client Sample ID: 4009-271

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	1.0	U	25.0	24.3		ug/L		97	71 - 129
1,1-Dichloroethene	1.0	U	25.0	22.3		ug/L		89	58 - 121
1,2,4-Trimethylbenzene	1.0	U	25.0	23.3		ug/L		93	76 - 121
1,2-Dichlorobenzene	1.0	U	25.0	24.3		ug/L		97	80 - 124
1,2-Dichloroethane	1.0	U	25.0	23.1		ug/L		92	75 - 127
1,3,5-Trimethylbenzene	1.0	U	25.0	24.1		ug/L		96	77 - 121

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

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

Lab Sample ID: 480-84784-17 MS

Matrix: Water

Analysis Batch: 257698

Client Sample ID: 4009-271

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits	
	Result	Qualifier		Result	Qualifier						
Benzene	1.0	U	25.0	24.5		ug/L		98	71 - 124		
Chlorobenzene	1.0	U	25.0	25.0		ug/L		100	72 - 120		
cis-1,2-Dichloroethene	1.0	U	25.0	25.4		ug/L		101	74 - 124		
Ethylbenzene	1.0	U	25.0	24.3		ug/L		97	77 - 123		
Methyl tert-butyl ether	1.0	U	25.0	24.0		ug/L		96	64 - 127		
Tetrachloroethene	1.0	U	25.0	25.3		ug/L		101	74 - 122		
Toluene	1.0	U	25.0	24.7		ug/L		99	80 - 122		
trans-1,2-Dichloroethene	1.0	U	25.0	20.7		ug/L		83	73 - 127		
Trichloroethene	1.9		25.0	26.5		ug/L		98	74 - 123		
MS MS											
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	106		66 - 137								
4-Bromofluorobenzene (Surr)	101		73 - 120								
Dibromofluoromethane (Surr)	107		60 - 140								
Toluene-d8 (Surr)	104		71 - 126								

Lab Sample ID: 480-84784-17 MSD

Matrix: Water

Analysis Batch: 257698

Client Sample ID: 4009-271

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						Limit	
1,1-Dichloroethane	1.0	U	25.0	23.1		ug/L		92	71 - 129	5	20	
1,1-Dichloroethene	1.0	U	25.0	22.9		ug/L		92	58 - 121	3	16	
1,2,4-Trimethylbenzene	1.0	U	25.0	22.9		ug/L		92	76 - 121	2	20	
1,2-Dichlorobenzene	1.0	U	25.0	24.1		ug/L		97	80 - 124	1	20	
1,2-Dichloroethane	1.0	U	25.0	23.2		ug/L		93	75 - 127	1	20	
1,3,5-Trimethylbenzene	1.0	U	25.0	23.2		ug/L		93	77 - 121	4	20	
Benzene	1.0	U	25.0	24.1		ug/L		96	71 - 124	2	13	
Chlorobenzene	1.0	U	25.0	24.7		ug/L		99	72 - 120	1	25	
cis-1,2-Dichloroethene	1.0	U	25.0	25.1		ug/L		100	74 - 124	1	15	
Ethylbenzene	1.0	U	25.0	23.4		ug/L		94	77 - 123	4	15	
Methyl tert-butyl ether	1.0	U	25.0	24.8		ug/L		99	64 - 127	3	37	
Tetrachloroethene	1.0	U	25.0	23.8		ug/L		95	74 - 122	6	20	
Toluene	1.0	U	25.0	23.8		ug/L		95	80 - 122	4	15	
trans-1,2-Dichloroethene	1.0	U	25.0	19.5		ug/L		78	73 - 127	6	20	
Trichloroethene	1.9		25.0	25.9		ug/L		96	74 - 123	2	16	
MSD MSD												
Surrogate	%Recovery	Qualifier	Limits									
1,2-Dichloroethane-d4 (Surr)	104		66 - 137									
4-Bromofluorobenzene (Surr)	102		73 - 120									
Dibromofluoromethane (Surr)	107		60 - 140									
Toluene-d8 (Surr)	103		71 - 126									

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

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

Lab Sample ID: MB 480-257721/6

Matrix: Water

Analysis Batch: 257721

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/08/15 10:06	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 10:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/08/15 10:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/08/15 10:06	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/08/15 10:06	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/08/15 10:06	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/08/15 10:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/08/15 10:06	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/08/15 10:06	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/08/15 10:06	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/08/15 10:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/08/15 10:06	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/08/15 10:06	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/08/15 10:06	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/08/15 10:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/08/15 10:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/08/15 10:06	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/08/15 10:06	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/08/15 10:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/08/15 10:06	1
Acetone	10	U	10	3.0	ug/L			08/08/15 10:06	1
Benzene	1.0	U	1.0	0.41	ug/L			08/08/15 10:06	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/08/15 10:06	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/08/15 10:06	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/08/15 10:06	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/08/15 10:06	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/08/15 10:06	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/08/15 10:06	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/08/15 10:06	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/08/15 10:06	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/08/15 10:06	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/08/15 10:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/08/15 10:06	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/08/15 10:06	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/08/15 10:06	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/08/15 10:06	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/08/15 10:06	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/08/15 10:06	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/08/15 10:06	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/08/15 10:06	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/08/15 10:06	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/08/15 10:06	1
Styrene	1.0	U	1.0	0.73	ug/L			08/08/15 10:06	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/08/15 10:06	1
Toluene	1.0	U	1.0	0.51	ug/L			08/08/15 10:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/08/15 10:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/08/15 10:06	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/08/15 10:06	1

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

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

Lab Sample ID: MB 480-257721/6
Matrix: Water
Analysis Batch: 257721

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/08/15 10:06	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/08/15 10:06	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/08/15 10:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		08/08/15 10:06	1
4-Bromofluorobenzene (Surr)	100		73 - 120		08/08/15 10:06	1
Dibromofluoromethane (Surr)	104		60 - 140		08/08/15 10:06	1
Toluene-d8 (Surr)	104		71 - 126		08/08/15 10:06	1

Lab Sample ID: LCS 480-257721/4
Matrix: Water
Analysis Batch: 257721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	25.2		ug/L		101	71 - 129
1,1-Dichloroethene	25.0	24.7		ug/L		99	58 - 121
1,2,4-Trimethylbenzene	25.0	25.8		ug/L		103	76 - 121
1,2-Dichlorobenzene	25.0	25.5		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	23.9		ug/L		96	75 - 127
1,3,5-Trimethylbenzene	25.0	25.6		ug/L		102	77 - 121
Benzene	25.0	25.6		ug/L		102	71 - 124
Chlorobenzene	25.0	26.0		ug/L		104	72 - 120
cis-1,2-Dichloroethene	25.0	26.6		ug/L		107	74 - 124
Ethylbenzene	25.0	25.8		ug/L		103	77 - 123
Methyl tert-butyl ether	25.0	24.3		ug/L		97	64 - 127
Tetrachloroethene	25.0	27.0		ug/L		108	74 - 122
Toluene	25.0	26.1		ug/L		104	80 - 122
trans-1,2-Dichloroethene	25.0	25.3		ug/L		101	73 - 127
Trichloroethene	25.0	26.0		ug/L		104	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
4-Bromofluorobenzene (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	105		60 - 140
Toluene-d8 (Surr)	103		71 - 126

Lab Sample ID: 480-84784-8 MS
Matrix: Water
Analysis Batch: 257721

Client Sample ID: 4009-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	1.0	U	25.0	25.3		ug/L		101	71 - 129
1,1-Dichloroethene	1.0	U	25.0	25.5		ug/L		102	58 - 121
1,2,4-Trimethylbenzene	1.0	U	25.0	25.2		ug/L		101	76 - 121
1,2-Dichlorobenzene	1.0	U	25.0	25.0		ug/L		100	80 - 124
1,2-Dichloroethane	1.0	U	25.0	23.5		ug/L		94	75 - 127
1,3,5-Trimethylbenzene	1.0	U	25.0	25.8		ug/L		103	77 - 121

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

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

Lab Sample ID: 480-84784-8 MS

Matrix: Water

Analysis Batch: 257721

Client Sample ID: 4009-14

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Benzene	4.0		25.0	29.9		ug/L		104	71 - 124	
Chlorobenzene	1.0	U	25.0	26.2		ug/L		105	72 - 120	
cis-1,2-Dichloroethene	1.0	U	25.0	26.5		ug/L		106	74 - 124	
Ethylbenzene	1.0	U	25.0	25.7		ug/L		103	77 - 123	
Methyl tert-butyl ether	1.0	U	25.0	23.4		ug/L		94	64 - 127	
Tetrachloroethene	1.0	U	25.0	26.9		ug/L		107	74 - 122	
Toluene	1.2		25.0	27.1		ug/L		103	80 - 122	
trans-1,2-Dichloroethene	1.0	U	25.0	22.4		ug/L		90	73 - 127	
Trichloroethene	1.0	U	25.0	26.5		ug/L		106	74 - 123	
MS MS										
Surrogate	%Recovery		Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	102			66 - 137						
4-Bromofluorobenzene (Surr)	101			73 - 120						
Dibromofluoromethane (Surr)	109			60 - 140						
Toluene-d8 (Surr)	104			71 - 126						

Lab Sample ID: 480-84784-8 MSD

Matrix: Water

Analysis Batch: 257721

Client Sample ID: 4009-14

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						Limit	
1,1-Dichloroethane	1.0	U	25.0	28.0		ug/L		112	71 - 129	10	20	
1,1-Dichloroethene	1.0	U	25.0	28.7		ug/L		115	58 - 121	12	16	
1,2,4-Trimethylbenzene	1.0	U	25.0	26.9		ug/L		108	76 - 121	7	20	
1,2-Dichlorobenzene	1.0	U	25.0	27.3		ug/L		109	80 - 124	9	20	
1,2-Dichloroethane	1.0	U	25.0	25.6		ug/L		102	75 - 127	8	20	
1,3,5-Trimethylbenzene	1.0	U	25.0	27.6		ug/L		110	77 - 121	7	20	
Benzene	4.0		25.0	32.1		ug/L		112	71 - 124	7	13	
Chlorobenzene	1.0	U	25.0	28.2		ug/L		113	72 - 120	8	25	
cis-1,2-Dichloroethene	1.0	U	25.0	29.0		ug/L		116	74 - 124	9	15	
Ethylbenzene	1.0	U	25.0	27.6		ug/L		110	77 - 123	7	15	
Methyl tert-butyl ether	1.0	U	25.0	26.1		ug/L		104	64 - 127	11	37	
Tetrachloroethene	1.0	U	25.0	28.9		ug/L		115	74 - 122	7	20	
Toluene	1.2		25.0	29.1		ug/L		111	80 - 122	7	15	
trans-1,2-Dichloroethene	1.0	U	25.0	24.4		ug/L		97	73 - 127	8	20	
Trichloroethene	1.0	U	25.0	28.8		ug/L		115	74 - 123	9	16	
MSD MSD												
Surrogate	%Recovery		Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	105			66 - 137								
4-Bromofluorobenzene (Surr)	103			73 - 120								
Dibromofluoromethane (Surr)	106			60 - 140								
Toluene-d8 (Surr)	104			71 - 126								

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

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

Lab Sample ID: MB 480-257812/7

Matrix: Water

Analysis Batch: 257812

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/10/15 11:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 11:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/10/15 11:45	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/10/15 11:45	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/10/15 11:45	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/10/15 11:45	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/10/15 11:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/10/15 11:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/10/15 11:45	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/10/15 11:45	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/10/15 11:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/10/15 11:45	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/10/15 11:45	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/10/15 11:45	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/10/15 11:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/10/15 11:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/10/15 11:45	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/10/15 11:45	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/10/15 11:45	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/10/15 11:45	1
Acetone	10	U	10	3.0	ug/L			08/10/15 11:45	1
Benzene	1.0	U	1.0	0.41	ug/L			08/10/15 11:45	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/10/15 11:45	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/10/15 11:45	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/10/15 11:45	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/10/15 11:45	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/10/15 11:45	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/10/15 11:45	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/10/15 11:45	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/10/15 11:45	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/10/15 11:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/10/15 11:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/10/15 11:45	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/10/15 11:45	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/10/15 11:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/10/15 11:45	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/10/15 11:45	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/10/15 11:45	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/10/15 11:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/10/15 11:45	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/10/15 11:45	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/10/15 11:45	1
Styrene	1.0	U	1.0	0.73	ug/L			08/10/15 11:45	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/10/15 11:45	1
Toluene	1.0	U	1.0	0.51	ug/L			08/10/15 11:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/10/15 11:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/10/15 11:45	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/10/15 11:45	1

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

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

Lab Sample ID: MB 480-257812/7
Matrix: Water
Analysis Batch: 257812

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/10/15 11:45	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/10/15 11:45	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/10/15 11:45	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		08/10/15 11:45	1
4-Bromofluorobenzene (Surr)	100		73 - 120		08/10/15 11:45	1
Dibromofluoromethane (Surr)	103		60 - 140		08/10/15 11:45	1
Toluene-d8 (Surr)	103		71 - 126		08/10/15 11:45	1

Lab Sample ID: LCS 480-257812/5
Matrix: Water
Analysis Batch: 257812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1-Dichloroethane	25.0	26.3		ug/L		105	71 - 129
1,1-Dichloroethene	25.0	28.1		ug/L		112	58 - 121
1,2,4-Trimethylbenzene	25.0	26.1		ug/L		104	76 - 121
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	25.3		ug/L		101	75 - 127
1,3,5-Trimethylbenzene	25.0	27.0		ug/L		108	77 - 121
Benzene	25.0	27.3		ug/L		109	71 - 124
Chlorobenzene	25.0	26.5		ug/L		106	72 - 120
cis-1,2-Dichloroethene	25.0	28.4		ug/L		114	74 - 124
Ethylbenzene	25.0	26.1		ug/L		105	77 - 123
Methyl tert-butyl ether	25.0	25.8		ug/L		103	64 - 127
Tetrachloroethene	25.0	26.7		ug/L		107	74 - 122
Toluene	25.0	26.5		ug/L		106	80 - 122
trans-1,2-Dichloroethene	25.0	28.0		ug/L		112	73 - 127
Trichloroethene	25.0	27.9		ug/L		112	74 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		66 - 137
4-Bromofluorobenzene (Surr)	98		73 - 120
Dibromofluoromethane (Surr)	108		60 - 140
Toluene-d8 (Surr)	101		71 - 126

QC Association Summary

Client: ARCADIS U.S. Inc
 Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

GC/MS VOA

Analysis Batch: 257698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-84784-16	4009-27S	Total/NA	Water	8260C	
480-84784-17	4009-27I	Total/NA	Water	8260C	
480-84784-17 MS	4009-27I	Total/NA	Water	8260C	
480-84784-17 MSD	4009-27I	Total/NA	Water	8260C	
480-84784-18	4009-27D	Total/NA	Water	8260C	
480-84784-19	4009-28	Total/NA	Water	8260C	
480-84784-20	4009-29S	Total/NA	Water	8260C	
480-84784-21	4009-29I	Total/NA	Water	8260C	
480-84784-23	4009-30	Total/NA	Water	8260C	
480-84784-25	WELL 1-1	Total/NA	Water	8260C	
480-84784-29	DUP-02	Total/NA	Water	8260C	
LCS 480-257698/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-257698/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 257721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-84784-1	4009-9	Total/NA	Water	8260C	
480-84784-2	4009-10	Total/NA	Water	8260C	
480-84784-3	4009-11	Total/NA	Water	8260C	
480-84784-4	4009-11A	Total/NA	Water	8260C	
480-84784-5	4009-12	Total/NA	Water	8260C	
480-84784-6	4009-13	Total/NA	Water	8260C	
480-84784-7	4009-13A	Total/NA	Water	8260C	
480-84784-8	4009-14	Total/NA	Water	8260C	
480-84784-8 MS	4009-14	Total/NA	Water	8260C	
480-84784-8 MSD	4009-14	Total/NA	Water	8260C	
480-84784-9	4009-15	Total/NA	Water	8260C	
480-84784-10	4009-16	Total/NA	Water	8260C	
480-84784-20 - DL	4009-29S	Total/NA	Water	8260C	
480-84784-21 - DL	4009-29I	Total/NA	Water	8260C	
480-84784-22	4009-29D	Total/NA	Water	8260C	
480-84784-24	4009-30A	Total/NA	Water	8260C	
480-84784-25 - DL	WELL 1-1	Total/NA	Water	8260C	
480-84784-28	DUP-01	Total/NA	Water	8260C	
LCS 480-257721/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-257721/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 257812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-84784-11	4009-16A	Total/NA	Water	8260C	
480-84784-12	4009-18	Total/NA	Water	8260C	
480-84784-13	4009-19	Total/NA	Water	8260C	
480-84784-14	4009-21	Total/NA	Water	8260C	
480-84784-15	4009-22	Total/NA	Water	8260C	
480-84784-26	WELL 1-2A	Total/NA	Water	8260C	
480-84784-27	WELL 1-3	Total/NA	Water	8260C	
480-84784-30	TRIP BLANK	Total/NA	Water	8260C	
480-84784-31	FIELD BLANK	Total/NA	Water	8260C	
LCS 480-257812/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-257812/7	Method Blank	Total/NA	Water	8260C	

TestAmerica Buffalo

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-9

Date Collected: 07/29/15 12:43

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257721	08/08/15 11:12	EDB	TAL BUF

Client Sample ID: 4009-10

Date Collected: 07/29/15 12:50

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257721	08/08/15 11:35	EDB	TAL BUF

Client Sample ID: 4009-11

Date Collected: 07/29/15 12:57

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257721	08/08/15 11:57	EDB	TAL BUF

Client Sample ID: 4009-11A

Date Collected: 07/29/15 12:54

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257721	08/08/15 12:20	EDB	TAL BUF

Client Sample ID: 4009-12

Date Collected: 07/29/15 11:52

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	257721	08/08/15 12:42	EDB	TAL BUF

Client Sample ID: 4009-13

Date Collected: 07/29/15 12:20

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257721	08/08/15 13:04	EDB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-13A

Date Collected: 07/29/15 12:25

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257721	08/08/15 13:26	EDB	TAL BUF

Client Sample ID: 4009-14

Date Collected: 07/29/15 10:15

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257721	08/08/15 13:48	EDB	TAL BUF

Client Sample ID: 4009-15

Date Collected: 07/29/15 11:36

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257721	08/08/15 14:11	EDB	TAL BUF

Client Sample ID: 4009-16

Date Collected: 07/29/15 11:10

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257721	08/08/15 14:33	EDB	TAL BUF

Client Sample ID: 4009-16A

Date Collected: 07/29/15 11:15

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257812	08/10/15 12:30	SWO	TAL BUF

Client Sample ID: 4009-18

Date Collected: 07/29/15 10:40

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257812	08/10/15 12:53	SWO	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-19

Date Collected: 07/29/15 10:30

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257812	08/10/15 13:15	SWO	TAL BUF

Client Sample ID: 4009-21

Date Collected: 07/29/15 10:35

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257812	08/10/15 13:38	SWO	TAL BUF

Client Sample ID: 4009-22

Date Collected: 07/29/15 09:58

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257812	08/10/15 14:00	SWO	TAL BUF

Client Sample ID: 4009-27S

Date Collected: 07/29/15 12:10

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257698	08/08/15 00:38	EDB	TAL BUF

Client Sample ID: 4009-27I

Date Collected: 07/29/15 12:13

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257698	08/08/15 01:01	EDB	TAL BUF

Client Sample ID: 4009-27D

Date Collected: 07/29/15 12:17

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257698	08/08/15 01:23	EDB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: 4009-28

Date Collected: 07/29/15 09:53

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257698	08/08/15 01:46	EDB	TAL BUF

Client Sample ID: 4009-29S

Date Collected: 07/29/15 12:00

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257698	08/08/15 02:08	EDB	TAL BUF
Total/NA	Analysis	8260C	DL	20	257721	08/08/15 14:56	EDB	TAL BUF

Client Sample ID: 4009-29I

Date Collected: 07/29/15 12:03

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257698	08/08/15 02:30	EDB	TAL BUF
Total/NA	Analysis	8260C	DL	40	257721	08/08/15 15:18	EDB	TAL BUF

Client Sample ID: 4009-29D

Date Collected: 07/29/15 12:07

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257721	08/08/15 15:40	EDB	TAL BUF

Client Sample ID: 4009-30

Date Collected: 07/29/15 11:20

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257698	08/08/15 03:14	EDB	TAL BUF

Client Sample ID: 4009-30A

Date Collected: 07/29/15 11:25

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257721	08/08/15 16:02	EDB	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: WELL 1-1

Date Collected: 07/29/15 09:44

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257698	08/08/15 03:58	EDB	TAL BUF
Total/NA	Analysis	8260C	DL	5	257721	08/08/15 16:24	EDB	TAL BUF

Client Sample ID: WELL 1-2A

Date Collected: 07/29/15 11:02

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257812	08/10/15 14:23	SWO	TAL BUF

Client Sample ID: WELL 1-3

Date Collected: 07/29/15 10:59

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257812	08/10/15 14:45	SWO	TAL BUF

Client Sample ID: DUP-01

Date Collected: 07/29/15 00:00

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	257721	08/08/15 16:46	EDB	TAL BUF

Client Sample ID: DUP-02

Date Collected: 07/29/15 00:00

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	257698	08/08/15 05:28	EDB	TAL BUF

Client Sample ID: TRIP BLANK

Date Collected: 07/29/15 00:00

Date Received: 07/30/15 01:40

Lab Sample ID: 480-84784-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257812	08/10/15 15:08	SWO	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-84784-31

Date Collected: 07/29/15 09:48

Matrix: Water

Date Received: 07/30/15 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	257812	08/10/15 15:30	SWO	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	1,2,3-Trimethylbenzene

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-84784-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-84784-1	4009-9	Water	07/29/15 12:43	07/30/15 01:40
480-84784-2	4009-10	Water	07/29/15 12:50	07/30/15 01:40
480-84784-3	4009-11	Water	07/29/15 12:57	07/30/15 01:40
480-84784-4	4009-11A	Water	07/29/15 12:54	07/30/15 01:40
480-84784-5	4009-12	Water	07/29/15 11:52	07/30/15 01:40
480-84784-6	4009-13	Water	07/29/15 12:20	07/30/15 01:40
480-84784-7	4009-13A	Water	07/29/15 12:25	07/30/15 01:40
480-84784-8	4009-14	Water	07/29/15 10:15	07/30/15 01:40
480-84784-9	4009-15	Water	07/29/15 11:36	07/30/15 01:40
480-84784-10	4009-16	Water	07/29/15 11:10	07/30/15 01:40
480-84784-11	4009-16A	Water	07/29/15 11:15	07/30/15 01:40
480-84784-12	4009-18	Water	07/29/15 10:40	07/30/15 01:40
480-84784-13	4009-19	Water	07/29/15 10:30	07/30/15 01:40
480-84784-14	4009-21	Water	07/29/15 10:35	07/30/15 01:40
480-84784-15	4009-22	Water	07/29/15 09:58	07/30/15 01:40
480-84784-16	4009-27S	Water	07/29/15 12:10	07/30/15 01:40
480-84784-17	4009-27I	Water	07/29/15 12:13	07/30/15 01:40
480-84784-18	4009-27D	Water	07/29/15 12:17	07/30/15 01:40
480-84784-19	4009-28	Water	07/29/15 09:53	07/30/15 01:40
480-84784-20	4009-29S	Water	07/29/15 12:00	07/30/15 01:40
480-84784-21	4009-29I	Water	07/29/15 12:03	07/30/15 01:40
480-84784-22	4009-29D	Water	07/29/15 12:07	07/30/15 01:40
480-84784-23	4009-30	Water	07/29/15 11:20	07/30/15 01:40
480-84784-24	4009-30A	Water	07/29/15 11:25	07/30/15 01:40
480-84784-25	WELL 1-1	Water	07/29/15 09:44	07/30/15 01:40
480-84784-26	WELL 1-2A	Water	07/29/15 11:02	07/30/15 01:40
480-84784-27	WELL 1-3	Water	07/29/15 10:59	07/30/15 01:40
480-84784-28	DUP-01	Water	07/29/15 00:00	07/30/15 01:40
480-84784-29	DUP-02	Water	07/29/15 00:00	07/30/15 01:40
480-84784-30	TRIP BLANK	Water	07/29/15 00:00	07/30/15 01:40
480-84784-31	FIELD BLANK	Water	07/29/15 09:48	07/30/15 01:40

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes No

Chain of Custody Record

TAL-4124 (1007)

Client: **ARCADIS** Project Manager: **Andy Vitolins** Chain of Custody Number: **287127**

Address: **855 Route 146, Suite 210** Telephone Number (Area Code)/Fax Number: **(518) 250-7300 (518) 250-7301** Date: **7/29/15** Page **1** of **3**

City: **NY 12065** Site Contact: **Katie Bidwell** Lab Contact: **Judy Stone** Analysis (Attach list if more space is needed)

Project Name and Location (State): **Vestal water supply (NY)** Carrier/Waybill Number

Contract/Purchase Order/Quote No.: **00266461.0000**

Special Instructions/
Conditions of Receipt



Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix						Containers & Preservatives									
			Air	Aqueous	Soil	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH						
4009-9	7/29/15	1243	X								X							
4009-10	7/29/15	1250	X								X							
4009-11	7/29/15	1257	X								X							
4009-11A	7/29/15	1254	X								X							
4009-12	7/29/15	1152	X								X							
4009-13	7/29/15	1220	X								X							
4009-13A	7/29/15	1225	X								X							
4009-14 (MS/MSD)	7/29/15	1015	X								X							MS/MSD
4009-15	7/29/15	1136	X								X							
4009-16	7/29/15	1110	X								X							
4009-16A	7/29/15	1115	X								X							
4009-18	7/29/15	1040	X								X							

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

Sample Disposal: Return To Client Disposal By Lab Archive For _____ Months _____

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other: **Standard**

1. Relinquished By: *[Signature]* Date: **7/29/15** Time: **1634**

2. Relinquished By: *[Signature]* Date: **7-29-15** Time: **1800**

3. Relinquished By: *[Signature]* Date: _____ Time: _____

GC Requirements (Specify): **TAS 30m x 15 0140**

Comments: **0.4 #1**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes No

Chain of Custody Record

TAL-4124 (1007)

Client: **ARCADIS** Project Manager: **Andy Vitolins** Chain of Custody Number: **287126**

Address: **855 Route 146, Suite 210** Telephone Number (Area Code)/Fax Number: **(518) 250-7300 - (518) 250-7301** Date: **7/29/15** Page **2** of **3**

City: **Clifton Park** State: **NY** Zip Code: **12065** Site Contact: **Katie Bidwell** Lab Contact: **Judy Stone** Analysis (Attach list if more space is needed)

Project Name and Location (State): **Vestal water supply (NY)** Carrier/Waybill Number: _____

Contract/Purchase Order/Quote No.: **00266461.0000**

Special Instructions/
Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix						Containers & Preservatives									
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH					
4009-19	7/29/15	1030	X									X						
4009-21	7/29/15	1055	X									X						
4009-22	7/29/15	0958	X									X						
4009-27S	7/29/15	1210	X									X						
4009-27I (MS/MSD)	7/29/15	1218	X									X						MS/MSD
4009-27D	7/29/15	1217	X									X						
4009-28	7/29/15	0953	X									X						
4009-29S	7/29/15	1200	X									X						
4009-29I	7/29/15	1203	X									X						
4009-29D	7/29/15	1207	X									X						
4009-30	7/29/15	1120	X									X						
4009-30A	7/29/15	1125	X									X						

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Archive For _____ Months Disposal By Lab (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other Standard

1. Relinquished By: *[Signature]* Date: **7/29/15** Time: **1634**

2. Relinquished By: *[Signature]* Date: **7-29-15** Time: **1800**

3. Relinquished By: *[Signature]* Date: **30 July 15** Time: **0140**

Comments: **G.Y**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____
 Drinking Water? Yes No

Chain of Custody Record

TAL-4124 (1007)

Client ARCADIS		Project Manager Andy Vitalins	Date 7/29/15	Chain of Custody Number 287125													
Address 855 Route 146, Suite 210		Telephone Number (Area Code)/Fax Number (518) 250-7300 - (518) 250-7301	Lab Number	Page 3 of 3													
City Clifton Park		Site Contact Katie Bidwell	Analysis (Attach list if more space is needed)														
State NY		Lab Contact Judy Stone															
Zip Code 12065		Carrier/Waybill Number															
Project Name and Location (State) Vestal Water Supply (NY)																	
Contract/Purchase Order/Quote No. 002604010000																	
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Special Instructions/ Conditions of Receipt				
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc		NaOH			
Well 1-1	7/29/15	0944	X						X	X	X						
Well 1-2 A	7/29/15	1102	X						X	X	X						
Well 1-3	7/29/15	1059	X						X	X	X						
DUP-01	7/29/15	-	X						X	X	X						
DUP-02	7/29/15	-	X						X	X	X						
Trip Blank	-	-	X						X	X	X					Duplicate	
Field Blank	7/29/15	0948	X						X	X	X					Trip Blank	
7-29-15																	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> 21 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> Other Standard Turn Around Time Required <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days																	
1. Relinquished By		Date		Time		1. Received By		Date		Time		2. Received By		Date		Time	
<i>[Signature]</i>		7/29/15		1634		<i>[Signature]</i>		7-29-15		1800		<i>[Signature]</i>		7-29-15		16:34	
3. Relinquished By		Date		Time		3. Received By		Date		Time		3. Received By		Date		Time	
						<i>[Signature]</i>		7-29-15		1800		<i>[Signature]</i>		7-29-15		16:34	
Comments TMS 30day IT 0140 O.Y. #																	

(A fee may be assessed if samples are retained longer than 1 month)



Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-84784-1

Login Number: 84784

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-86418-1

Client Project/Site: NYSDEC-Standby VESTAL

For:

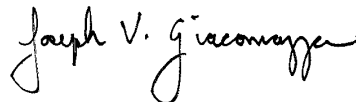
ARCADIS U.S. Inc

855 Route 146

Suite 210

Clifton Park, New York 12065

Attn: Jeremy Wyckoff



Authorized for release by:

9/11/2015 2:13:40 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager

(484)685-0868

judy.stone@testamericainc.com

LINKS

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results through

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Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

Job ID: 480-86418-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-86418-1

Receipt

The samples were received on 9/1/2015 2:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.5° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-262479 recovered outside acceptance criteria, low biased, for Vinyl Chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: WELL 1-2A (480-86418-1), WELL 1-3 (480-86418-2), TRIP BLANK 082815 (480-86418-3) and (480-86753-C-3).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-262479 recovered above the upper control limit for 2-Hexanone and 2-Butanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: WELL 1-2A (480-86418-1), WELL 1-3 (480-86418-2), TRIP BLANK 082815 (480-86418-3) and (480-86753-C-3).

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



Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-86418-1

No Detections.

Client Sample ID: WELL 1-3

Lab Sample ID: 480-86418-2

No Detections.

Client Sample ID: TRIP BLANK 082815

Lab Sample ID: 480-86418-3

No Detections.

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This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-86418-1

Date Collected: 08/28/15 11:30

Matrix: Water

Date Received: 09/01/15 02:15

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/09/15 02:20	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/09/15 02:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/09/15 02:20	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/09/15 02:20	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/09/15 02:20	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/09/15 02:20	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			09/09/15 02:20	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/09/15 02:20	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			09/09/15 02:20	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/09/15 02:20	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/09/15 02:20	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/09/15 02:20	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/09/15 02:20	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/09/15 02:20	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			09/09/15 02:20	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/09/15 02:20	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/09/15 02:20	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/09/15 02:20	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/09/15 02:20	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/09/15 02:20	1
Acetone	10	U	10	3.0	ug/L			09/09/15 02:20	1
Benzene	1.0	U	1.0	0.41	ug/L			09/09/15 02:20	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/09/15 02:20	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/09/15 02:20	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/09/15 02:20	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/09/15 02:20	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/09/15 02:20	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/09/15 02:20	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/09/15 02:20	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/09/15 02:20	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/09/15 02:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/09/15 02:20	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/09/15 02:20	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/09/15 02:20	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/09/15 02:20	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/09/15 02:20	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/09/15 02:20	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/09/15 02:20	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/09/15 02:20	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/09/15 02:20	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/09/15 02:20	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/09/15 02:20	1
Styrene	1.0	U	1.0	0.73	ug/L			09/09/15 02:20	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/09/15 02:20	1
Toluene	1.0	U	1.0	0.51	ug/L			09/09/15 02:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/09/15 02:20	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/09/15 02:20	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/09/15 02:20	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/09/15 02:20	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-86418-1

Date Collected: 08/28/15 11:30

Matrix: Water

Date Received: 09/01/15 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/09/15 02:20	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/09/15 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		66 - 137					09/09/15 02:20	1
4-Bromofluorobenzene (Surr)	106		73 - 120					09/09/15 02:20	1
Dibromofluoromethane (Surr)	108		60 - 140					09/09/15 02:20	1
Toluene-d8 (Surr)	95		71 - 126					09/09/15 02:20	1

Client Sample ID: WELL 1-3

Lab Sample ID: 480-86418-2

Date Collected: 08/28/15 11:35

Matrix: Water

Date Received: 09/01/15 02:15

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/09/15 02:42	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/09/15 02:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/09/15 02:42	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/09/15 02:42	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/09/15 02:42	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/09/15 02:42	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			09/09/15 02:42	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/09/15 02:42	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			09/09/15 02:42	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/09/15 02:42	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/09/15 02:42	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/09/15 02:42	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/09/15 02:42	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/09/15 02:42	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			09/09/15 02:42	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/09/15 02:42	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/09/15 02:42	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/09/15 02:42	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/09/15 02:42	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/09/15 02:42	1
Acetone	10	U	10	3.0	ug/L			09/09/15 02:42	1
Benzene	1.0	U	1.0	0.41	ug/L			09/09/15 02:42	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/09/15 02:42	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/09/15 02:42	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/09/15 02:42	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/09/15 02:42	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/09/15 02:42	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/09/15 02:42	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/09/15 02:42	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/09/15 02:42	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/09/15 02:42	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/09/15 02:42	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/09/15 02:42	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/09/15 02:42	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/09/15 02:42	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

Client Sample ID: WELL 1-3

Lab Sample ID: 480-86418-2

Date Collected: 08/28/15 11:35

Matrix: Water

Date Received: 09/01/15 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/09/15 02:42	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/09/15 02:42	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/09/15 02:42	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/09/15 02:42	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/09/15 02:42	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/09/15 02:42	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/09/15 02:42	1
Styrene	1.0	U	1.0	0.73	ug/L			09/09/15 02:42	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/09/15 02:42	1
Toluene	1.0	U	1.0	0.51	ug/L			09/09/15 02:42	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/09/15 02:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/09/15 02:42	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/09/15 02:42	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/09/15 02:42	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/09/15 02:42	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/09/15 02:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		66 - 137		09/09/15 02:42	1
4-Bromofluorobenzene (Surr)	111		73 - 120		09/09/15 02:42	1
Dibromofluoromethane (Surr)	109		60 - 140		09/09/15 02:42	1
Toluene-d8 (Surr)	101		71 - 126		09/09/15 02:42	1

Client Sample ID: TRIP BLANK 082815

Lab Sample ID: 480-86418-3

Date Collected: 08/28/15 00:00

Matrix: Water

Date Received: 09/01/15 02:15

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/09/15 03:05	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/09/15 03:05	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/09/15 03:05	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/09/15 03:05	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/09/15 03:05	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/09/15 03:05	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			09/09/15 03:05	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/09/15 03:05	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			09/09/15 03:05	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/09/15 03:05	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/09/15 03:05	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/09/15 03:05	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/09/15 03:05	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/09/15 03:05	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			09/09/15 03:05	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/09/15 03:05	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/09/15 03:05	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/09/15 03:05	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/09/15 03:05	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/09/15 03:05	1
Acetone	10	U	10	3.0	ug/L			09/09/15 03:05	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

Client Sample ID: TRIP BLANK 082815

Lab Sample ID: 480-86418-3

Date Collected: 08/28/15 00:00

Matrix: Water

Date Received: 09/01/15 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.41	ug/L			09/09/15 03:05	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/09/15 03:05	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/09/15 03:05	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/09/15 03:05	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/09/15 03:05	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/09/15 03:05	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/09/15 03:05	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/09/15 03:05	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/09/15 03:05	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/09/15 03:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/09/15 03:05	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/09/15 03:05	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/09/15 03:05	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/09/15 03:05	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/09/15 03:05	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/09/15 03:05	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/09/15 03:05	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/09/15 03:05	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/09/15 03:05	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/09/15 03:05	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/09/15 03:05	1
Styrene	1.0	U	1.0	0.73	ug/L			09/09/15 03:05	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/09/15 03:05	1
Toluene	1.0	U	1.0	0.51	ug/L			09/09/15 03:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/09/15 03:05	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/09/15 03:05	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/09/15 03:05	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/09/15 03:05	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/09/15 03:05	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/09/15 03:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 137		09/09/15 03:05	1
4-Bromofluorobenzene (Surr)	109		73 - 120		09/09/15 03:05	1
Dibromofluoromethane (Surr)	103		60 - 140		09/09/15 03:05	1
Toluene-d8 (Surr)	97		71 - 126		09/09/15 03:05	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (66-137)	BFB (73-120)	DBFM (60-140)	TOL (71-126)
480-86418-1	WELL 1-2A	110	106	108	95
480-86418-2	WELL 1-3	110	111	109	101
480-86418-3	TRIP BLANK 082815	103	109	103	97
LCS 480-262479/5	Lab Control Sample	107	115	104	98
MB 480-262479/7	Method Blank	105	107	104	97

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-262479/7

Matrix: Water

Analysis Batch: 262479

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/08/15 22:52	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/08/15 22:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/08/15 22:52	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/08/15 22:52	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/08/15 22:52	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/08/15 22:52	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			09/08/15 22:52	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/08/15 22:52	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			09/08/15 22:52	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/08/15 22:52	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/08/15 22:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/08/15 22:52	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/08/15 22:52	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/08/15 22:52	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			09/08/15 22:52	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/08/15 22:52	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/08/15 22:52	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/08/15 22:52	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/08/15 22:52	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/08/15 22:52	1
Acetone	10	U	10	3.0	ug/L			09/08/15 22:52	1
Benzene	1.0	U	1.0	0.41	ug/L			09/08/15 22:52	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/08/15 22:52	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/08/15 22:52	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/08/15 22:52	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/08/15 22:52	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/08/15 22:52	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/08/15 22:52	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/08/15 22:52	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/08/15 22:52	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/08/15 22:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/08/15 22:52	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/08/15 22:52	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/08/15 22:52	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/08/15 22:52	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/08/15 22:52	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/08/15 22:52	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/08/15 22:52	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/08/15 22:52	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/08/15 22:52	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/08/15 22:52	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/08/15 22:52	1
Styrene	1.0	U	1.0	0.73	ug/L			09/08/15 22:52	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/08/15 22:52	1
Toluene	1.0	U	1.0	0.51	ug/L			09/08/15 22:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/08/15 22:52	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/08/15 22:52	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/08/15 22:52	1

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

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

Lab Sample ID: MB 480-262479/7
Matrix: Water
Analysis Batch: 262479

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/08/15 22:52	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/08/15 22:52	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/08/15 22:52	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	105		66 - 137		09/08/15 22:52	1
4-Bromofluorobenzene (Surr)	107		73 - 120		09/08/15 22:52	1
Dibromofluoromethane (Surr)	104		60 - 140		09/08/15 22:52	1
Toluene-d8 (Surr)	97		71 - 126		09/08/15 22:52	1

Lab Sample ID: LCS 480-262479/5
Matrix: Water
Analysis Batch: 262479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1-Dichloroethane	25.0	23.8		ug/L		95	71 - 129
1,1-Dichloroethene	25.0	22.0		ug/L		88	58 - 121
1,2,4-Trimethylbenzene	25.0	24.4		ug/L		98	76 - 121
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	23.7		ug/L		95	75 - 127
1,3,5-Trimethylbenzene	25.0	23.9		ug/L		95	77 - 121
Benzene	25.0	23.0		ug/L		92	71 - 124
Chlorobenzene	25.0	23.3		ug/L		93	72 - 120
cis-1,2-Dichloroethene	25.0	23.9		ug/L		96	74 - 124
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
Methyl tert-butyl ether	25.0	25.7		ug/L		103	64 - 127
Tetrachloroethene	25.0	25.4		ug/L		102	74 - 122
Toluene	25.0	23.2		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	23.9		ug/L		95	73 - 127
Trichloroethene	25.0	24.5		ug/L		98	74 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	107		66 - 137
4-Bromofluorobenzene (Surr)	115		73 - 120
Dibromofluoromethane (Surr)	104		60 - 140
Toluene-d8 (Surr)	98		71 - 126

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

GC/MS VOA

Analysis Batch: 262479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-86418-1	WELL 1-2A	Total/NA	Water	8260C	
480-86418-2	WELL 1-3	Total/NA	Water	8260C	
480-86418-3	TRIP BLANK 082815	Total/NA	Water	8260C	
LCS 480-262479/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-262479/7	Method Blank	Total/NA	Water	8260C	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

Client Sample ID: WELL 1-2A

Date Collected: 08/28/15 11:30

Date Received: 09/01/15 02:15

Lab Sample ID: 480-86418-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262479	09/09/15 02:20	GVF	TAL BUF

Client Sample ID: WELL 1-3

Date Collected: 08/28/15 11:35

Date Received: 09/01/15 02:15

Lab Sample ID: 480-86418-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262479	09/09/15 02:42	GVF	TAL BUF

Client Sample ID: TRIP BLANK 082815

Date Collected: 08/28/15 00:00

Date Received: 09/01/15 02:15

Lab Sample ID: 480-86418-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	262479	09/09/15 03:05	GVF	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	1,2,3-Trimethylbenzene

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSDEC-Standby VESTAL

TestAmerica Job ID: 480-86418-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-86418-1	WELL 1-2A	Water	08/28/15 11:30	09/01/15 02:15
480-86418-2	WELL 1-3	Water	08/28/15 11:35	09/01/15 02:15
480-86418-3	TRIP BLANK 082815	Water	08/28/15 00:00	09/01/15 02:15

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Chain of Custody Record

Client Information Client Contact: Ms. Katie Bidwell Company: ARCADIS U.S. Inc Address: 855 Route 146 Suite 210 City: Clifton Park State, Zip: NY, 12065 Phone: 518-250-7300(Tel) Email: katie.bidwell@arcadis-us.com Project Name: NYSDEC-Standby VESTAL Site:		Sampler: J. Witekoff Lab PM: Stone, Judy L E-Mail: judy.stone@testamericainc.com Carrier Tracking No(s): COC No: 480-70925-18034.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: Project 00266401.0000 WO #: Contract D007618 Project #: 48005198 SSOW#:		Analysis Requested Preservation Codes: A - HCl B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Archlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Sample Identification Well 1-2A Well 1-3 TE082815		Matrix (Water, Solid, Other): Sample Type (C=Comp, G=grab): Sample Date: 8/28/15, 8/28/15, 8/28/15 Sample Time: 11:30, 11:35, - Field Filtered Sample (Yes or No): Perform MS/MSD (Yes or No): Field Filtered Sample (Yes or No): Total Number of Containers:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:	
Empty Kit Relinquished by: Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]		Method of Shipment: Date/Time: 8-31-15 14:48 Date/Time: 9-1-15 02:15 Date/Time:	
Company: ALCOATS Company: TA-AB3 Company:		Company: TA-AB3 Company: VRS Company:	
Relinquished by: [Signature] Relinquished by: [Signature]		Relinquished by: [Signature] Relinquished by: [Signature]	
Custody Seals Intact: Yes <input type="checkbox"/> No <input type="checkbox"/>		Cooler Temperature(s) °C and Other Remarks: 0.5	



Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-86418-1

Login Number: 86418

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

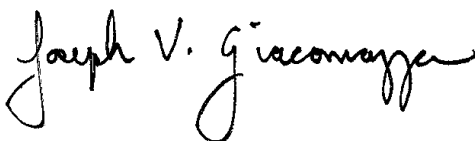
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature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

ANALYTICAL REPORT

Job Number: 480-87966-1

Job Description: NYSDEC-Standby VESTAL

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, NY 12065
Attention: Jeremy Wyckoff



Approved for release.
Joe V Giacomazza
Project Management Assistant II
10/2/2015 1:43 PM

Designee for
Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
judy.stone@testamericainc.com
10/02/2015

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

TestAmerica Laboratories, Inc.

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



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Job Narrative
480-87966-1

Receipt

The samples were received on 9/26/2015 2:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9° C.

GC/MS VOA

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

SAMPLE SUMMARY

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-87966-1	WELL 1-2A	Water	09/24/2015 0830	09/26/2015 0215
480-87966-2	WELL 1-3	Water	09/24/2015 0835	09/26/2015 0215
480-87966-3	TRIP BLANK 092415	Water	09/24/2015 0000	09/26/2015 0215

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
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No Detections

METHOD SUMMARY

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Description	Lab Location	Method	Preparation Method
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: ARCADIS U.S. Inc

Job Number: 480-87966-1

Method	Analyst	Analyst ID
SW846 8260C	Fortain, Gerald V	GVF

Analytical Data

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-87966-1

Date Sampled: 09/24/2015 0830

Client Matrix: Water

Date Received: 09/26/2015 0215

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 480-266343	Instrument ID: HP5973G
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: G43135.D
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 10/01/2015 0511		Final Weight/Volume: 5 mL
Prep Date: 10/01/2015 0511		

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.82	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.31	1.0
1,1,2-Trichloroethane	1.0	U	0.23	1.0
1,1-Dichloroethane	1.0	U	0.38	1.0
1,1-Dichloroethene	1.0	U	0.29	1.0
1,2,3-Trimethylbenzene	1.0	U	0.26	1.0
1,2,4-Trichlorobenzene	1.0	U	0.41	1.0
1,2,4-Trimethylbenzene	1.0	U	0.75	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.39	1.0
1,2-Dibromoethane	1.0	U	0.73	1.0
1,2-Dichlorobenzene	1.0	U	0.79	1.0
1,2-Dichloroethane	1.0	U	0.21	1.0
1,2-Dichloropropane	1.0	U	0.72	1.0
1,3,5-Trimethylbenzene	1.0	U	0.77	1.0
1,3-Dichlorobenzene	1.0	U	0.78	1.0
1,4-Dichlorobenzene	1.0	U	0.84	1.0
2-Butanone (MEK)	10	U	1.3	10
2-Hexanone	5.0	U	1.2	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	2.1	5.0
Acetone	10	U	3.0	10
Benzene	1.0	U	0.41	1.0
Bromodichloromethane	1.0	U	0.39	1.0
Bromoform	1.0	U	0.26	1.0
Bromomethane	1.0	U	0.69	1.0
Carbon disulfide	1.0	U	0.19	1.0
Carbon tetrachloride	1.0	U	0.27	1.0
Chlorobenzene	1.0	U	0.75	1.0
Chloroethane	1.0	U	0.32	1.0
Chloroform	1.0	U	0.34	1.0
Chloromethane	1.0	U	0.35	1.0
cis-1,2-Dichloroethene	1.0	U	0.81	1.0
cis-1,3-Dichloropropene	1.0	U	0.36	1.0
Cyclohexane	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.32	1.0
Dichlorodifluoromethane	1.0	U	0.68	1.0
Ethylbenzene	1.0	U	0.74	1.0
Isopropylbenzene	1.0	U	0.79	1.0
Methyl acetate	2.5	U	1.3	2.5
Methyl tert-butyl ether	1.0	U	0.16	1.0
Methylcyclohexane	1.0	U	0.16	1.0
Methylene Chloride	1.0	U	0.44	1.0
Styrene	1.0	U	0.73	1.0
Tetrachloroethene	1.0	U	0.36	1.0
Toluene	1.0	U	0.51	1.0
trans-1,2-Dichloroethene	1.0	U	0.90	1.0

Analytical Data

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-87966-1

Date Sampled: 09/24/2015 0830

Client Matrix: Water

Date Received: 09/26/2015 0215

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-266343	Instrument ID:	HP5973G
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	G43135.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2015 0511			Final Weight/Volume:	5 mL
Prep Date:	10/01/2015 0511				

Analyte	Result (ug/L)	Qualifier	MDL	RL
trans-1,3-Dichloropropene	1.0	U	0.37	1.0
Trichloroethene	1.0	U	0.46	1.0
Trichlorofluoromethane	1.0	U	0.88	1.0
Vinyl chloride	1.0	U	0.90	1.0
Xylenes, Total	2.0	U	0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		66 - 137
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	112		60 - 140
Toluene-d8 (Surr)	119		71 - 126

Analytical Data

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Client Sample ID: WELL 1-3

Lab Sample ID: 480-87966-2

Date Sampled: 09/24/2015 0835

Client Matrix: Water

Date Received: 09/26/2015 0215

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 480-266343	Instrument ID: HP5973G
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: G43136.D
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 10/01/2015 0534		Final Weight/Volume: 5 mL
Prep Date: 10/01/2015 0534		

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.82	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.31	1.0
1,1,2-Trichloroethane	1.0	U	0.23	1.0
1,1-Dichloroethane	1.0	U	0.38	1.0
1,1-Dichloroethene	1.0	U	0.29	1.0
1,2,3-Trimethylbenzene	1.0	U	0.26	1.0
1,2,4-Trichlorobenzene	1.0	U	0.41	1.0
1,2,4-Trimethylbenzene	1.0	U	0.75	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.39	1.0
1,2-Dibromoethane	1.0	U	0.73	1.0
1,2-Dichlorobenzene	1.0	U	0.79	1.0
1,2-Dichloroethane	1.0	U	0.21	1.0
1,2-Dichloropropane	1.0	U	0.72	1.0
1,3,5-Trimethylbenzene	1.0	U	0.77	1.0
1,3-Dichlorobenzene	1.0	U	0.78	1.0
1,4-Dichlorobenzene	1.0	U	0.84	1.0
2-Butanone (MEK)	10	U	1.3	10
2-Hexanone	5.0	U	1.2	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	2.1	5.0
Acetone	10	U	3.0	10
Benzene	1.0	U	0.41	1.0
Bromodichloromethane	1.0	U	0.39	1.0
Bromoform	1.0	U	0.26	1.0
Bromomethane	1.0	U	0.69	1.0
Carbon disulfide	1.0	U	0.19	1.0
Carbon tetrachloride	1.0	U	0.27	1.0
Chlorobenzene	1.0	U	0.75	1.0
Chloroethane	1.0	U	0.32	1.0
Chloroform	1.0	U	0.34	1.0
Chloromethane	1.0	U	0.35	1.0
cis-1,2-Dichloroethene	1.0	U	0.81	1.0
cis-1,3-Dichloropropene	1.0	U	0.36	1.0
Cyclohexane	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.32	1.0
Dichlorodifluoromethane	1.0	U	0.68	1.0
Ethylbenzene	1.0	U	0.74	1.0
Isopropylbenzene	1.0	U	0.79	1.0
Methyl acetate	2.5	U	1.3	2.5
Methyl tert-butyl ether	1.0	U	0.16	1.0
Methylcyclohexane	1.0	U	0.16	1.0
Methylene Chloride	1.0	U	0.44	1.0
Styrene	1.0	U	0.73	1.0
Tetrachloroethene	1.0	U	0.36	1.0
Toluene	1.0	U	0.51	1.0
trans-1,2-Dichloroethene	1.0	U	0.90	1.0

Analytical Data

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Client Sample ID: WELL 1-3

Lab Sample ID: 480-87966-2

Date Sampled: 09/24/2015 0835

Client Matrix: Water

Date Received: 09/26/2015 0215

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 480-266343	Instrument ID: HP5973G
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: G43136.D
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 10/01/2015 0534		Final Weight/Volume: 5 mL
Prep Date: 10/01/2015 0534		

Analyte	Result (ug/L)	Qualifier	MDL	RL
trans-1,3-Dichloropropene	1.0	U	0.37	1.0
Trichloroethene	1.0	U	0.46	1.0
Trichlorofluoromethane	1.0	U	0.88	1.0
Vinyl chloride	1.0	U	0.90	1.0
Xylenes, Total	2.0	U	0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Dibromofluoromethane (Surr)	104		60 - 140
Toluene-d8 (Surr)	113		71 - 126

Analytical Data

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Client Sample ID: TRIP BLANK 092415

Lab Sample ID: 480-87966-3

Date Sampled: 09/24/2015 0000

Client Matrix: Water

Date Received: 09/26/2015 0215

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 480-266343	Instrument ID: HP5973G
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: G43137.D
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 10/01/2015 0556		Final Weight/Volume: 5 mL
Prep Date: 10/01/2015 0556		

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.82	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.31	1.0
1,1,2-Trichloroethane	1.0	U	0.23	1.0
1,1-Dichloroethane	1.0	U	0.38	1.0
1,1-Dichloroethene	1.0	U	0.29	1.0
1,2,3-Trimethylbenzene	1.0	U	0.26	1.0
1,2,4-Trichlorobenzene	1.0	U	0.41	1.0
1,2,4-Trimethylbenzene	1.0	U	0.75	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.39	1.0
1,2-Dibromoethane	1.0	U	0.73	1.0
1,2-Dichlorobenzene	1.0	U	0.79	1.0
1,2-Dichloroethane	1.0	U	0.21	1.0
1,2-Dichloropropane	1.0	U	0.72	1.0
1,3,5-Trimethylbenzene	1.0	U	0.77	1.0
1,3-Dichlorobenzene	1.0	U	0.78	1.0
1,4-Dichlorobenzene	1.0	U	0.84	1.0
2-Butanone (MEK)	10	U	1.3	10
2-Hexanone	5.0	U	1.2	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	2.1	5.0
Acetone	10	U	3.0	10
Benzene	1.0	U	0.41	1.0
Bromodichloromethane	1.0	U	0.39	1.0
Bromoform	1.0	U	0.26	1.0
Bromomethane	1.0	U	0.69	1.0
Carbon disulfide	1.0	U	0.19	1.0
Carbon tetrachloride	1.0	U	0.27	1.0
Chlorobenzene	1.0	U	0.75	1.0
Chloroethane	1.0	U	0.32	1.0
Chloroform	1.0	U	0.34	1.0
Chloromethane	1.0	U	0.35	1.0
cis-1,2-Dichloroethene	1.0	U	0.81	1.0
cis-1,3-Dichloropropene	1.0	U	0.36	1.0
Cyclohexane	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.32	1.0
Dichlorodifluoromethane	1.0	U	0.68	1.0
Ethylbenzene	1.0	U	0.74	1.0
Isopropylbenzene	1.0	U	0.79	1.0
Methyl acetate	2.5	U	1.3	2.5
Methyl tert-butyl ether	1.0	U	0.16	1.0
Methylcyclohexane	1.0	U	0.16	1.0
Methylene Chloride	1.0	U	0.44	1.0
Styrene	1.0	U	0.73	1.0
Tetrachloroethene	1.0	U	0.36	1.0
Toluene	1.0	U	0.51	1.0
trans-1,2-Dichloroethene	1.0	U	0.90	1.0

Analytical Data

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Client Sample ID: TRIP BLANK 092415

Lab Sample ID: 480-87966-3

Date Sampled: 09/24/2015 0000

Client Matrix: Water

Date Received: 09/26/2015 0215

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 480-266343	Instrument ID: HP5973G
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: G43137.D
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 10/01/2015 0556		Final Weight/Volume: 5 mL
Prep Date: 10/01/2015 0556		

Analyte	Result (ug/L)	Qualifier	MDL	RL
trans-1,3-Dichloropropene	1.0	U	0.37	1.0
Trichloroethene	1.0	U	0.46	1.0
Trichlorofluoromethane	1.0	U	0.88	1.0
Vinyl chloride	1.0	U	0.90	1.0
Xylenes, Total	2.0	U	0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Dibromofluoromethane (Surr)	101		60 - 140
Toluene-d8 (Surr)	112		71 - 126

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
480-87966-1	WELL 1-2A	112	118	119	96
480-87966-2	WELL 1-3	104	111	113	92
480-87966-3	TRIP BLANK 092415	101	110	112	91
MB 480-266343/7		109	121	119	98
LCS 480-266343/5		113	117	121	103

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	60-140
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Quality Control Results

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Method Blank - Batch: 480-266343

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

Lab Sample ID: MB 480-266343/7
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/01/2015 0002
Prep Date: 10/01/2015 0002
Leach Date: N/A

Analysis Batch: 480-266343
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973G
Lab File ID: G43122.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.82	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.31	1.0
1,1,2-Trichloroethane	1.0	U	0.23	1.0
1,1-Dichloroethane	1.0	U	0.38	1.0
1,1-Dichloroethene	1.0	U	0.29	1.0
1,2,3-Trimethylbenzene	1.0	U	0.26	1.0
1,2,4-Trichlorobenzene	1.0	U	0.41	1.0
1,2,4-Trimethylbenzene	1.0	U	0.75	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.39	1.0
1,2-Dibromoethane	1.0	U	0.73	1.0
1,2-Dichlorobenzene	1.0	U	0.79	1.0
1,2-Dichloroethane	1.0	U	0.21	1.0
1,2-Dichloropropane	1.0	U	0.72	1.0
1,3,5-Trimethylbenzene	1.0	U	0.77	1.0
1,3-Dichlorobenzene	1.0	U	0.78	1.0
1,4-Dichlorobenzene	1.0	U	0.84	1.0
2-Butanone (MEK)	10	U	1.3	10
2-Hexanone	5.0	U	1.2	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	2.1	5.0
Acetone	10	U	3.0	10
Benzene	1.0	U	0.41	1.0
Bromodichloromethane	1.0	U	0.39	1.0
Bromoform	1.0	U	0.26	1.0
Bromomethane	1.0	U	0.69	1.0
Carbon disulfide	1.0	U	0.19	1.0
Carbon tetrachloride	1.0	U	0.27	1.0
Chlorobenzene	1.0	U	0.75	1.0
Chloroethane	1.0	U	0.32	1.0
Chloroform	1.0	U	0.34	1.0
Chloromethane	1.0	U	0.35	1.0
cis-1,2-Dichloroethene	1.0	U	0.81	1.0
cis-1,3-Dichloropropene	1.0	U	0.36	1.0
Cyclohexane	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.32	1.0
Dichlorodifluoromethane	1.0	U	0.68	1.0
Ethylbenzene	1.0	U	0.74	1.0
Isopropylbenzene	1.0	U	0.79	1.0
Methyl acetate	2.5	U	1.3	2.5
Methyl tert-butyl ether	1.0	U	0.16	1.0
Methylcyclohexane	1.0	U	0.16	1.0
Methylene Chloride	1.0	U	0.44	1.0
Styrene	1.0	U	0.73	1.0
Tetrachloroethene	1.0	U	0.36	1.0
Toluene	1.0	U	0.51	1.0

Quality Control Results

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Method Blank - Batch: 480-266343

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

Lab Sample ID: MB 480-266343/7
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/01/2015 0002
 Prep Date: 10/01/2015 0002
 Leach Date: N/A

Analysis Batch: 480-266343
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973G
 Lab File ID: G43122.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
trans-1,2-Dichloroethene	1.0	U	0.90	1.0
trans-1,3-Dichloropropene	1.0	U	0.37	1.0
Trichloroethene	1.0	U	0.46	1.0
Trichlorofluoromethane	1.0	U	0.88	1.0
Vinyl chloride	1.0	U	0.90	1.0
Xylenes, Total	2.0	U	0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121	66 - 137
4-Bromofluorobenzene (Surr)	98	73 - 120
Dibromofluoromethane (Surr)	109	60 - 140
Toluene-d8 (Surr)	119	71 - 126

Quality Control Results

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Lab Control Sample - Batch: 480-266343

Method: 8260C
Preparation: 5030C

Lab Sample ID: LCS 480-266343/5	Analysis Batch: 480-266343	Instrument ID: HP5973G
Client Matrix: Water	Prep Batch: N/A	Lab File ID: G43120.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 09/30/2015 2317	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 09/30/2015 2317		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	24.6	99	71 - 129	
1,1-Dichloroethene	25.0	25.0	100	58 - 121	
1,2,4-Trimethylbenzene	25.0	26.9	108	76 - 121	
1,2-Dichlorobenzene	25.0	26.1	104	80 - 124	
1,2-Dichloroethane	25.0	25.7	103	75 - 127	
1,3,5-Trimethylbenzene	25.0	27.2	109	77 - 121	
Benzene	25.0	26.5	106	71 - 124	
Chlorobenzene	25.0	25.6	103	72 - 120	
cis-1,2-Dichloroethene	25.0	27.2	109	74 - 124	
Ethylbenzene	25.0	26.1	104	77 - 123	
Methyl tert-butyl ether	25.0	26.2	105	64 - 127	
Tetrachloroethene	25.0	24.4	98	74 - 122	
Toluene	25.0	26.0	104	80 - 122	
trans-1,2-Dichloroethene	25.0	25.2	101	73 - 127	
Trichloroethene	25.0	26.3	105	74 - 123	
Surrogate		% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		117		66 - 137	
4-Bromofluorobenzene (Surr)		103		73 - 120	
Dibromofluoromethane (Surr)		113		60 - 140	
Toluene-d8 (Surr)		121		71 - 126	

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Lab Section	Qualifier	Description
GC/MS VOA	U	Analyzed for but not detected.

Quality Control Results

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-266343					
LCS 480-266343/5	Lab Control Sample	T	Water	8260C	
MB 480-266343/7	Method Blank	T	Water	8260C	
480-87966-1	WELL 1-2A	T	Water	8260C	
480-87966-2	WELL 1-3	T	Water	8260C	
480-87966-3	TRIP BLANK 092415	T	Water	8260C	

Report Basis

T = Total

Quality Control Results

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Laboratory Chronicle

Lab ID: 480-87966-1

Client ID: WELL 1-2A

Sample Date/Time: 09/24/2015 08:30 Received Date/Time: 09/26/2015 02:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-87966-A-1		480-266343		10/01/2015 05:11	1	TAL BUF	GVF
A:8260C	480-87966-A-1		480-266343		10/01/2015 05:11	1	TAL BUF	GVF

Lab ID: 480-87966-2

Client ID: WELL 1-3

Sample Date/Time: 09/24/2015 08:35 Received Date/Time: 09/26/2015 02:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-87966-A-2		480-266343		10/01/2015 05:34	1	TAL BUF	GVF
A:8260C	480-87966-A-2		480-266343		10/01/2015 05:34	1	TAL BUF	GVF

Lab ID: 480-87966-3

Client ID: TRIP BLANK 092415

Sample Date/Time: 09/24/2015 00:00 Received Date/Time: 09/26/2015 02:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-87966-A-3		480-266343		10/01/2015 05:56	1	TAL BUF	GVF
A:8260C	480-87966-A-3		480-266343		10/01/2015 05:56	1	TAL BUF	GVF

Lab ID: MB

Client ID: N/A

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	MB 480-266343/7		480-266343		10/01/2015 00:02	1	TAL BUF	GVF
A:8260C	MB 480-266343/7		480-266343		10/01/2015 00:02	1	TAL BUF	GVF

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 480-266343/5		480-266343		09/30/2015 23:17	1	TAL BUF	GVF
A:8260C	LCS 480-266343/5		480-266343		09/30/2015 23:17	1	TAL BUF	GVF

Lab References:

TAL BUF = TestAmerica Buffalo

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1

SDG No.: _____

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
WELL 1-2A	480-87966-1	112	118	119	96
WELL 1-3	480-87966-2	104	111	113	92
TRIP BLANK 092415	480-87966-3	101	110	112	91
	MB 480-266343/7	109	121	119	98
	LCS 480-266343/5	113	117	121	103

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

QC LIMITS
60-140
66-137
71-126
73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: G43120.D

Lab ID: LCS 480-266343/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	24.6	99	71-129	
1,1-Dichloroethene	25.0	25.0	100	58-121	
1,2,4-Trimethylbenzene	25.0	26.9	108	76-121	
1,2-Dichlorobenzene	25.0	26.1	104	80-124	
1,2-Dichloroethane	25.0	25.7	103	75-127	
1,3,5-Trimethylbenzene	25.0	27.2	109	77-121	
Benzene	25.0	26.5	106	71-124	
Chlorobenzene	25.0	25.6	103	72-120	
cis-1,2-Dichloroethene	25.0	27.2	109	74-124	
Ethylbenzene	25.0	26.1	104	77-123	
Methyl tert-butyl ether	25.0	26.2	105	64-127	
Tetrachloroethene	25.0	24.4	98	74-122	
Toluene	25.0	26.0	104	80-122	
trans-1,2-Dichloroethene	25.0	25.2	101	73-127	
Trichloroethene	25.0	26.3	105	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.: 480-87966-1
 SDG No.: _____
 Lab File ID: G43122.D Lab Sample ID: MB 480-266343/7
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: HP5973G Date Analyzed: 10/01/2015 00:02
 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 480-266343/5	G43120.D	09/30/2015 23:17
WELL 1-2A	480-87966-1	G43135.D	10/01/2015 05:11
WELL 1-3	480-87966-2	G43136.D	10/01/2015 05:34
TRIP BLANK 092415	480-87966-3	G43137.D	10/01/2015 05:56

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

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Lab File ID: G42388.D BFB Injection Date: 09/13/2015
 Instrument ID: HP5973G BFB Injection Time: 19:26
 Analysis Batch No.: 263308

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.1
75	30.0 - 60.0 % of mass 95	43.0
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	0.4 (0.6)1
174	50.0 - 120.00 % of mass 95	76.6
175	5.0 - 9.0 % of mass 174	5.6 (7.3)1
176	95.0 - 101.0 % of mass 174	74.1 (96.8)1
177	5.0 - 9.0 % of mass 176	4.5 (6.0)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 480-263308/4	G42390.D	09/13/2015	20:45
	IC 480-263308/5	G42391.D	09/13/2015	21:07
	IC 480-263308/6	G42392.D	09/13/2015	21:30
	IC 480-263308/7	G42393.D	09/13/2015	21:52
	ICIS 480-263308/8	G42394.D	09/13/2015	22:15
	IC 480-263308/9	G42395.D	09/13/2015	22:37
	IC 480-263308/10	G42396.D	09/13/2015	23:00
	IC 480-263308/14	G42400.D	09/14/2015	00:30
	IC 480-263308/15	G42401.D	09/14/2015	00:52
	IC 480-263308/16	G42402.D	09/14/2015	01:15
	IC 480-263308/17	G42403.D	09/14/2015	01:37
	IC 480-263308/18	G42404.D	09/14/2015	02:00
	IC 480-263308/19	G42405.D	09/14/2015	02:22
	IC 480-263308/20	G42406.D	09/14/2015	02:45

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

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Lab File ID: G43117.D BFB Injection Date: 09/30/2015
 Instrument ID: HP5973G BFB Injection Time: 22:07
 Analysis Batch No.: 266343

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	42.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.1
173	Less than 2.0 % of mass 174	0.4 (0.6)1
174	50.0 - 120.00 % of mass 95	69.2
175	5.0 - 9.0 % of mass 174	5.5 (7.9)1
176	95.0 - 101.0 % of mass 174	66.0 (95.3)1
177	5.0 - 9.0 % of mass 176	4.7 (7.1)2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-266343/3	G43118.D	09/30/2015	22:32
	CCV 480-266343/4	G43119.D	09/30/2015	22:55
	LCS 480-266343/5	G43120.D	09/30/2015	23:17
	MB 480-266343/7	G43122.D	10/01/2015	00:02
WELL 1-2A	480-87966-1	G43135.D	10/01/2015	05:11
WELL 1-3	480-87966-2	G43136.D	10/01/2015	05:34
TRIP BLANK 092415	480-87966-3	G43137.D	10/01/2015	05:56

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

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Sample No.: ICIS 480-263308/8 Date Analyzed: 09/13/2015 22:15
 Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): G42394.D Heated Purge: (Y/N) N
 Calibration ID: 24897

	FB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	105503	5.51	224743	8.51	272592	10.90
UPPER LIMIT	211006	6.01	449486	9.01	545184	11.40
LOWER LIMIT	52752	5.01	112372	8.01	136296	10.40
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 480-266343/3	107050	5.52	234738	8.51	249588	10.89

FB = Fluorobenzene (IS)
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Sample No.: CCVIS 480-266343/3 Date Analyzed: 09/30/2015 22:32
 Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): G43118.D Heated Purge: (Y/N) N
 Calibration ID: 24899

	FB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	107050	5.52	234738	8.51	249588	10.89	
UPPER LIMIT	214100	6.02	469476	9.01	499176	11.39	
LOWER LIMIT	53525	5.02	117369	8.01	124794	10.39	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-266343/4	104317	5.52	231296	8.51	233932	10.89	
LCS 480-266343/5	104297	5.52	223982	8.51	247630	10.89	
MB 480-266343/7	101327	5.52	220455	8.51	232772	10.89	
480-87966-1	WELL 1-2A	100199	5.52	216929	8.51	224519	10.90
480-87966-2	WELL 1-3	107300	5.52	227772	8.51	235662	10.89
480-87966-3	TRIP BLANK 092415	107220	5.52	230325	8.51	241243	10.90

FB = Fluorobenzene (IS)
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Client Sample ID: WELL 1-2A Lab Sample ID: 480-87966-1
 Matrix: Water Lab File ID: G43135.D
 Analysis Method: 8260C Date Collected: 09/24/2015 08:30
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2015 05:11
 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.: 266343 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
526-73-8	1,2,3-Trimethylbenzene	1.0	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.77
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Client Sample ID: WELL 1-2A Lab Sample ID: 480-87966-1
 Matrix: Water Lab File ID: G43135.D
 Analysis Method: 8260C Date Collected: 09/24/2015 08:30
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2015 05:11
 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.: 266343 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		66-137
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	112		60-140
2037-26-5	Toluene-d8 (Surr)	119		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43135.D
 Lims ID: 480-87966-A-1 Lab Sample ID: 480-87966-1
 Client ID: WELL 1-2A
 Sample Type: Client
 Inject. Date: 01-Oct-2015 05:11:30 ALS Bottle#: 21 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-87966-A-1
 Misc. Info.: 480-0046784-020
 Operator ID: NMD Instrument ID: HP5973G
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2015 08:17:38 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: fortaing

Date: 01-Oct-2015 08:17:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.520	0.000	99	100199	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	86	216929	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.891	0.006	95	224519	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.923	4.923	0.000	93	123984	28.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	84765	29.5	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	93	586847	29.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.763	9.763	0.000	87	165400	24.0	
10 Dichlorodifluoromethane	85		1.375				ND	
12 Chloromethane	50		1.552				ND	
13 Vinyl chloride	62		1.643				ND	
14 Bromomethane	94		1.997				ND	
15 Chloroethane	64		2.076				ND	
17 Trichlorofluoromethane	101		2.277				ND	
20 1,1-Dichloroethene	96		2.801				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.807				ND	
22 Acetone	43	2.893	2.893	0.018	33	1687	0.4893	
24 Carbon disulfide	76		2.990				ND	
28 Methyl acetate	43		3.173				ND	
29 Methylene Chloride	84		3.326				ND	
32 trans-1,2-Dichloroethene	96		3.502				ND	
31 Methyl tert-butyl ether	73		3.502				ND	
36 1,1-Dichloroethane	63		3.905				ND	
43 cis-1,2-Dichloroethene	96		4.460				ND	
44 2-Butanone (MEK)	43		4.496				ND	
50 Chloroform	85		4.764				ND	
51 1,1,1-Trichloroethane	97		4.892				ND	
52 Cyclohexane	56		4.917				ND	
53 Carbon tetrachloride	117		5.045				ND	
56 Benzene	78		5.246				ND	
57 1,2-Dichloroethane	62		5.301				ND	
61 Trichloroethene	95		5.862				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.996				ND	
63 1,2-Dichloropropane	63		6.087				ND	
67 Dichlorobromomethane	83		6.374				ND	
72 cis-1,3-Dichloropropene	75		6.795				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.941				ND	
74 Toluene	92		7.099				ND	
76 trans-1,3-Dichloropropene	75		7.355				ND	
79 1,1,2-Trichloroethane	83		7.544				ND	
80 Tetrachloroethene	166		7.636				ND	
82 2-Hexanone	43		7.782				ND	
83 Chlorodibromomethane	129		7.947				ND	
84 Ethylene Dibromide	107		8.050				ND	
86 Chlorobenzene	112		8.538				ND	
89 Ethylbenzene	91		8.636				ND	
90 m-Xylene & p-Xylene	106		8.764				ND	
91 o-Xylene	106		9.190				ND	
92 Styrene	104		9.215				ND	
93 Bromoform	173		9.446				ND	
95 Isopropylbenzene	105		9.574				ND	
98 1,1,2,2-Tetrachloroethane	83		9.940				ND	
104 1,3,5-Trimethylbenzene	105		10.172				ND	
107 1,2,4-Trimethylbenzene	105		10.544				ND	
110 1,3-Dichlorobenzene	146		10.830				ND	
113 1,4-Dichlorobenzene	146		10.916				ND	
114 1,2,3-Trimethylbenzene	105		10.946				ND	
116 1,2-Dichlorobenzene	146		11.269				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.983				ND	
119 1,2,4-Trichlorobenzene	180		12.671				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

G_8260_IS_00098	Amount Added: 1.00	Units: uL	Run Reagent
G_8260_Surr_00110	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43135.D

Injection Date: 01-Oct-2015 05:11:30

Instrument ID: HP5973G

Operator ID: NMD

Lims ID: 480-87966-A-1

Lab Sample ID: 480-87966-1

Worklist Smp#: 20

Client ID: WELL 1-2A

Purge Vol: 5.000 mL

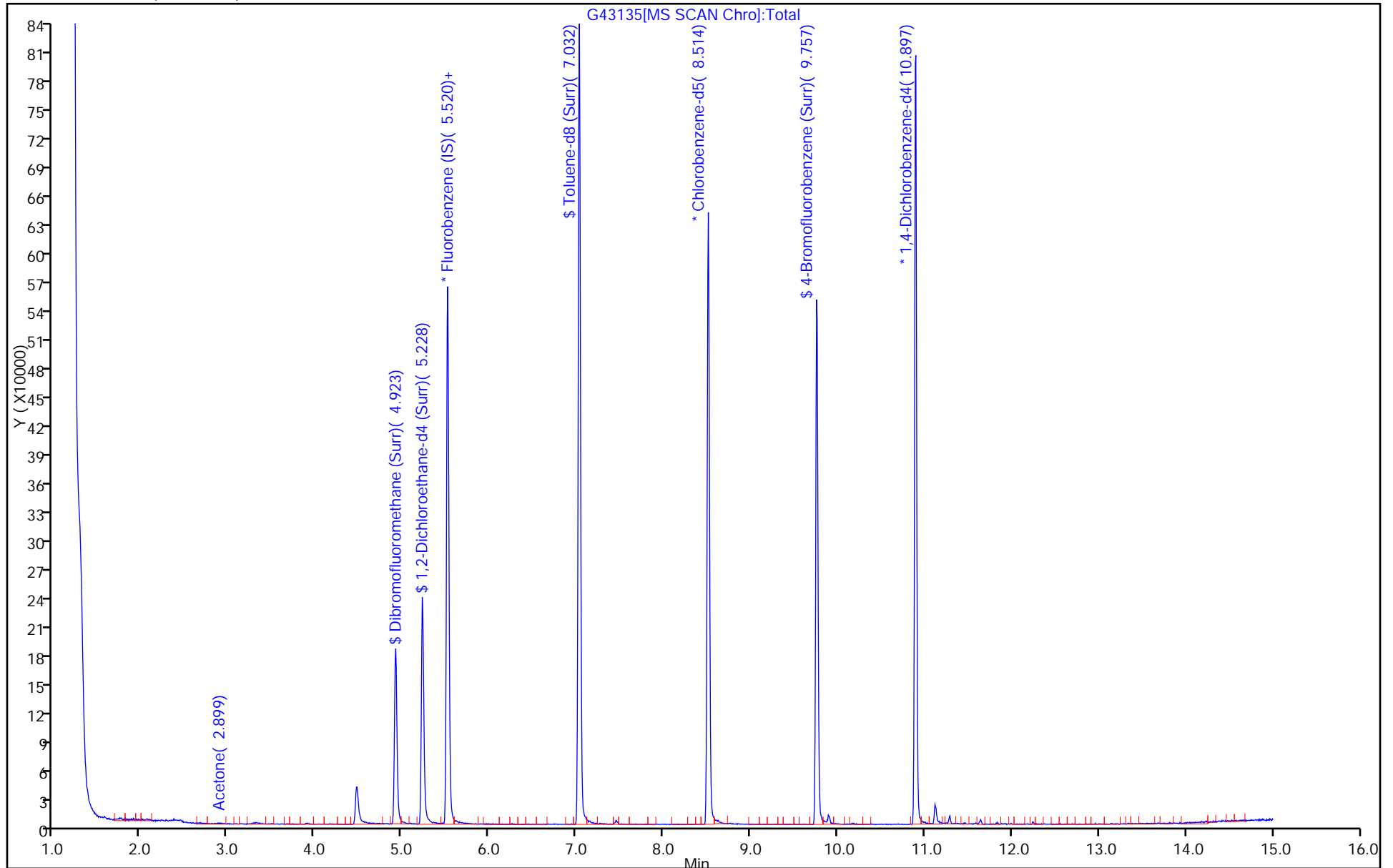
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: G-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.: 480-87966-1
 SDG No.: _____
 Client Sample ID: WELL 1-3 Lab Sample ID: 480-87966-2
 Matrix: Water Lab File ID: G43136.D
 Analysis Method: 8260C Date Collected: 09/24/2015 08:35
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2015 05:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 266343 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
526-73-8	1,2,3-Trimethylbenzene	1.0	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.77
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Client Sample ID: WELL 1-3 Lab Sample ID: 480-87966-2
 Matrix: Water Lab File ID: G43136.D
 Analysis Method: 8260C Date Collected: 09/24/2015 08:35
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2015 05:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 266343 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		60-140
2037-26-5	Toluene-d8 (Surr)	113		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43136.D
 Lims ID: 480-87966-A-2 Lab Sample ID: 480-87966-2
 Client ID: WELL 1-3
 Sample Type: Client
 Inject. Date: 01-Oct-2015 05:34:30 ALS Bottle#: 22 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-87966-A-2
 Misc. Info.: 480-0046784-021
 Operator ID: NMD Instrument ID: HP5973G
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2015 08:18:29 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: fortaing

Date: 01-Oct-2015 08:19:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.520	0.000	98	107300	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	86	227772	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.891	10.891	0.000	95	235662	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.923	4.923	0.000	93	123393	26.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	84980	27.6	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	93	581677	28.2	
\$ 6 4-Bromofluorobenzene (Surr	174	9.764	9.763	0.001	87	165595	22.9	
10 Dichlorodifluoromethane	85		1.375				ND	
12 Chloromethane	50		1.552				ND	
13 Vinyl chloride	62		1.643				ND	
14 Bromomethane	94		1.997				ND	
15 Chloroethane	64		2.076				ND	
17 Trichlorofluoromethane	101		2.277				ND	
20 1,1-Dichloroethene	96		2.801				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.807				ND	
22 Acetone	43	2.899	2.899	0.024	65	1514	0.4101	
24 Carbon disulfide	76		2.990				ND	
28 Methyl acetate	43		3.173				ND	
29 Methylene Chloride	84		3.326				ND	
32 trans-1,2-Dichloroethene	96		3.502				ND	
31 Methyl tert-butyl ether	73		3.502				ND	
36 1,1-Dichloroethane	63		3.905				ND	
43 cis-1,2-Dichloroethene	96		4.460				ND	
44 2-Butanone (MEK)	43		4.496				ND	
50 Chloroform	85		4.764				ND	
51 1,1,1-Trichloroethane	97	4.905	4.892	0.013	87	1588	0.1946	
52 Cyclohexane	56		4.917				ND	
53 Carbon tetrachloride	117		5.045				ND	
56 Benzene	78		5.246				ND	
57 1,2-Dichloroethane	62		5.301				ND	
61 Trichloroethene	95		5.862				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.996				ND	
63 1,2-Dichloropropane	63		6.087				ND	
67 Dichlorobromomethane	83		6.374				ND	
72 cis-1,3-Dichloropropene	75		6.795				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.941				ND	
74 Toluene	92		7.099				ND	
76 trans-1,3-Dichloropropene	75		7.355				ND	
79 1,1,2-Trichloroethane	83		7.544				ND	
80 Tetrachloroethene	166		7.636				ND	
82 2-Hexanone	43		7.782				ND	
83 Chlorodibromomethane	129		7.947				ND	
84 Ethylene Dibromide	107		8.050				ND	
86 Chlorobenzene	112		8.538				ND	
89 Ethylbenzene	91		8.636				ND	
90 m-Xylene & p-Xylene	106		8.764				ND	
91 o-Xylene	106		9.190				ND	
92 Styrene	104		9.215				ND	
93 Bromoform	173		9.446				ND	
95 Isopropylbenzene	105		9.574				ND	
98 1,1,2,2-Tetrachloroethane	83		9.940				ND	
104 1,3,5-Trimethylbenzene	105		10.172				ND	
107 1,2,4-Trimethylbenzene	105		10.544				ND	
110 1,3-Dichlorobenzene	146		10.830				ND	
113 1,4-Dichlorobenzene	146		10.916				ND	
114 1,2,3-Trimethylbenzene	105		10.946				ND	
116 1,2-Dichlorobenzene	146		11.269				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.983				ND	
119 1,2,4-Trichlorobenzene	180		12.671				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

G_8260_IS_00098	Amount Added: 1.00	Units: uL	Run Reagent
G_8260_Surr_00110	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43136.D

Injection Date: 01-Oct-2015 05:34:30

Instrument ID: HP5973G

Operator ID: NMD

Lims ID: 480-87966-A-2

Lab Sample ID: 480-87966-2

Worklist Smp#: 21

Client ID: WELL 1-3

Purge Vol: 5.000 mL

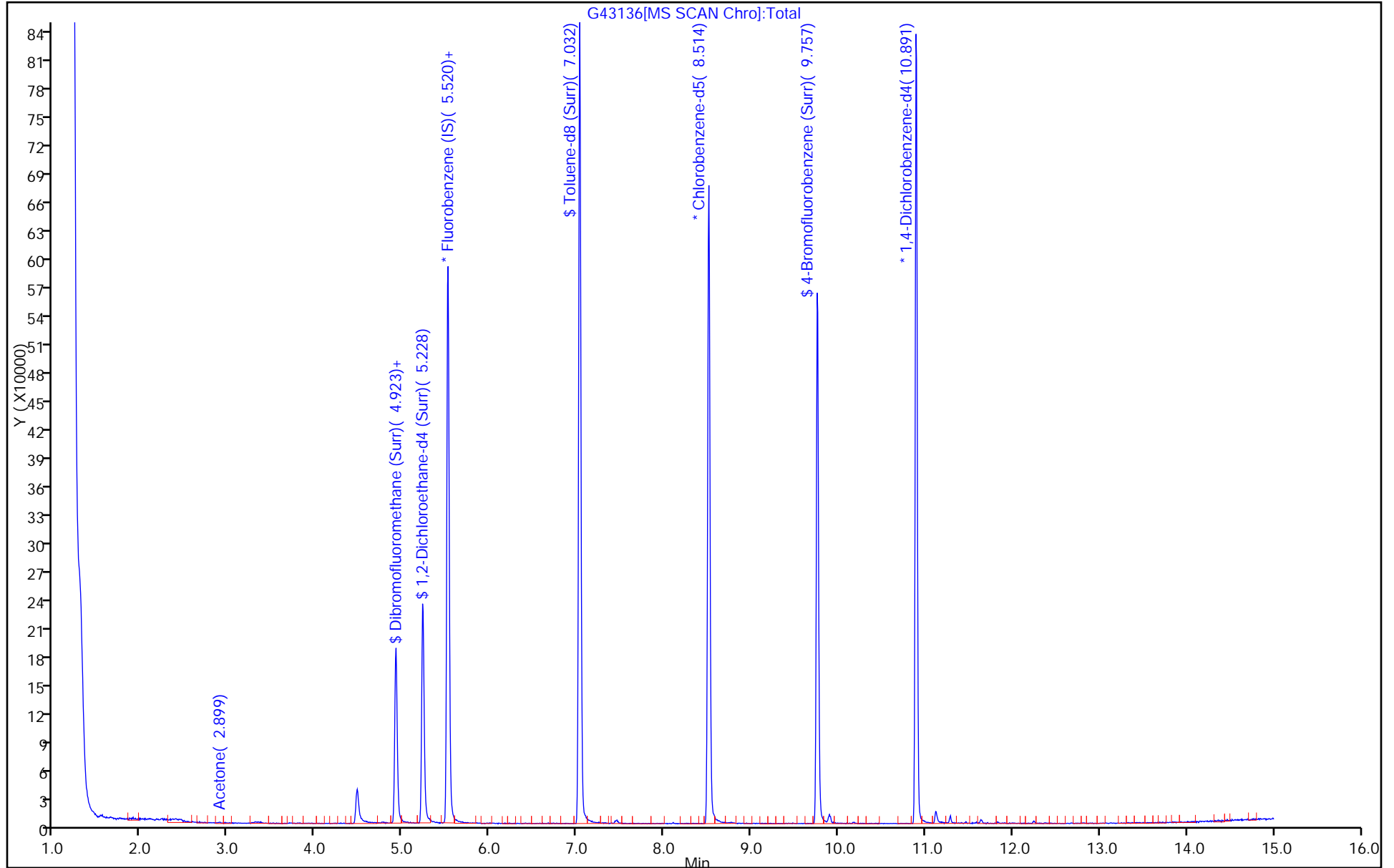
Dil. Factor: 1.0000

ALS Bottle#: 22

Method: G-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.: 480-87966-1
 SDG No.: _____
 Client Sample ID: TRIP BLANK 092415 Lab Sample ID: 480-87966-3
 Matrix: Water Lab File ID: G43137.D
 Analysis Method: 8260C Date Collected: 09/24/2015 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2015 05:56
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 266343 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
526-73-8	1,2,3-Trimethylbenzene	1.0	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.77
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Client Sample ID: TRIP BLANK 092415 Lab Sample ID: 480-87966-3
 Matrix: Water Lab File ID: G43137.D
 Analysis Method: 8260C Date Collected: 09/24/2015 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2015 05:56
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 266343 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		60-140
2037-26-5	Toluene-d8 (Surr)	112		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43137.D
 Lims ID: 480-87966-A-3 Lab Sample ID: 480-87966-3
 Client ID: TRIP BLANK 092415
 Sample Type: Client
 Inject. Date: 01-Oct-2015 05:56:30 ALS Bottle#: 23 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-87966-A-3
 Misc. Info.: 480-0046784-022
 Operator ID: NMD Instrument ID: HP5973G
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2015 08:20:26 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: fortaing

Date: 01-Oct-2015 08:20:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.520	0.000	99	107220	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	86	230325	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.891	0.006	95	241243	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.923	4.923	0.000	93	119430	25.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	84396	27.5	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	93	583609	28.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.763	9.763	0.000	88	166592	22.8	
10 Dichlorodifluoromethane	85		1.375				ND	
12 Chloromethane	50		1.552				ND	
13 Vinyl chloride	62		1.643				ND	
14 Bromomethane	94		1.997				ND	
15 Chloroethane	64		2.076				ND	
17 Trichlorofluoromethane	101		2.277				ND	
20 1,1-Dichloroethene	96		2.801				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.807				ND	
22 Acetone	43	2.887	2.887	0.012	71	1776	0.4814	
24 Carbon disulfide	76		2.990				ND	
28 Methyl acetate	43		3.173				ND	
29 Methylene Chloride	84	3.338	3.326	0.012	94	7483	0.1406	
32 trans-1,2-Dichloroethene	96		3.502				ND	
31 Methyl tert-butyl ether	73		3.502				ND	
36 1,1-Dichloroethane	63		3.905				ND	
43 cis-1,2-Dichloroethene	96		4.460				ND	
44 2-Butanone (MEK)	43		4.496				ND	
50 Chloroform	85		4.764				ND	
51 1,1,1-Trichloroethane	97		4.892				ND	
52 Cyclohexane	56		4.917				ND	
53 Carbon tetrachloride	117		5.045				ND	
56 Benzene	78		5.246				ND	
57 1,2-Dichloroethane	62		5.301				ND	
61 Trichloroethene	95		5.862				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.996				ND	
63 1,2-Dichloropropane	63		6.087				ND	
67 Dichlorobromomethane	83		6.374				ND	
72 cis-1,3-Dichloropropene	75		6.795				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.941				ND	
74 Toluene	92	7.099	7.099	0.000	31	1389	0.0799	7
76 trans-1,3-Dichloropropene	75		7.355				ND	
79 1,1,2-Trichloroethane	83		7.544				ND	
80 Tetrachloroethene	166		7.636				ND	
82 2-Hexanone	43		7.782				ND	
83 Chlorodibromomethane	129		7.947				ND	
84 Ethylene Dibromide	107		8.050				ND	
86 Chlorobenzene	112		8.538				ND	
89 Ethylbenzene	91		8.636				ND	
90 m-Xylene & p-Xylene	106		8.764				ND	
91 o-Xylene	106		9.190				ND	
92 Styrene	104		9.215				ND	
93 Bromoform	173		9.446				ND	
95 Isopropylbenzene	105		9.574				ND	
98 1,1,2,2-Tetrachloroethane	83		9.940				ND	
104 1,3,5-Trimethylbenzene	105		10.172				ND	
107 1,2,4-Trimethylbenzene	105		10.544				ND	
110 1,3-Dichlorobenzene	146		10.830				ND	
113 1,4-Dichlorobenzene	146		10.916				ND	
114 1,2,3-Trimethylbenzene	105		10.946				ND	
116 1,2-Dichlorobenzene	146		11.269				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.983				ND	
119 1,2,4-Trichlorobenzene	180		12.671				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

G_8260_IS_00098	Amount Added: 1.00	Units: uL	Run Reagent
G_8260_Surr_00110	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43137.D

Injection Date: 01-Oct-2015 05:56:30

Instrument ID: HP5973G

Operator ID: NMD

Lims ID: 480-87966-A-3

Lab Sample ID: 480-87966-3

Worklist Smp#: 22

Client ID: TRIP BLANK 092415

Purge Vol: 5.000 mL

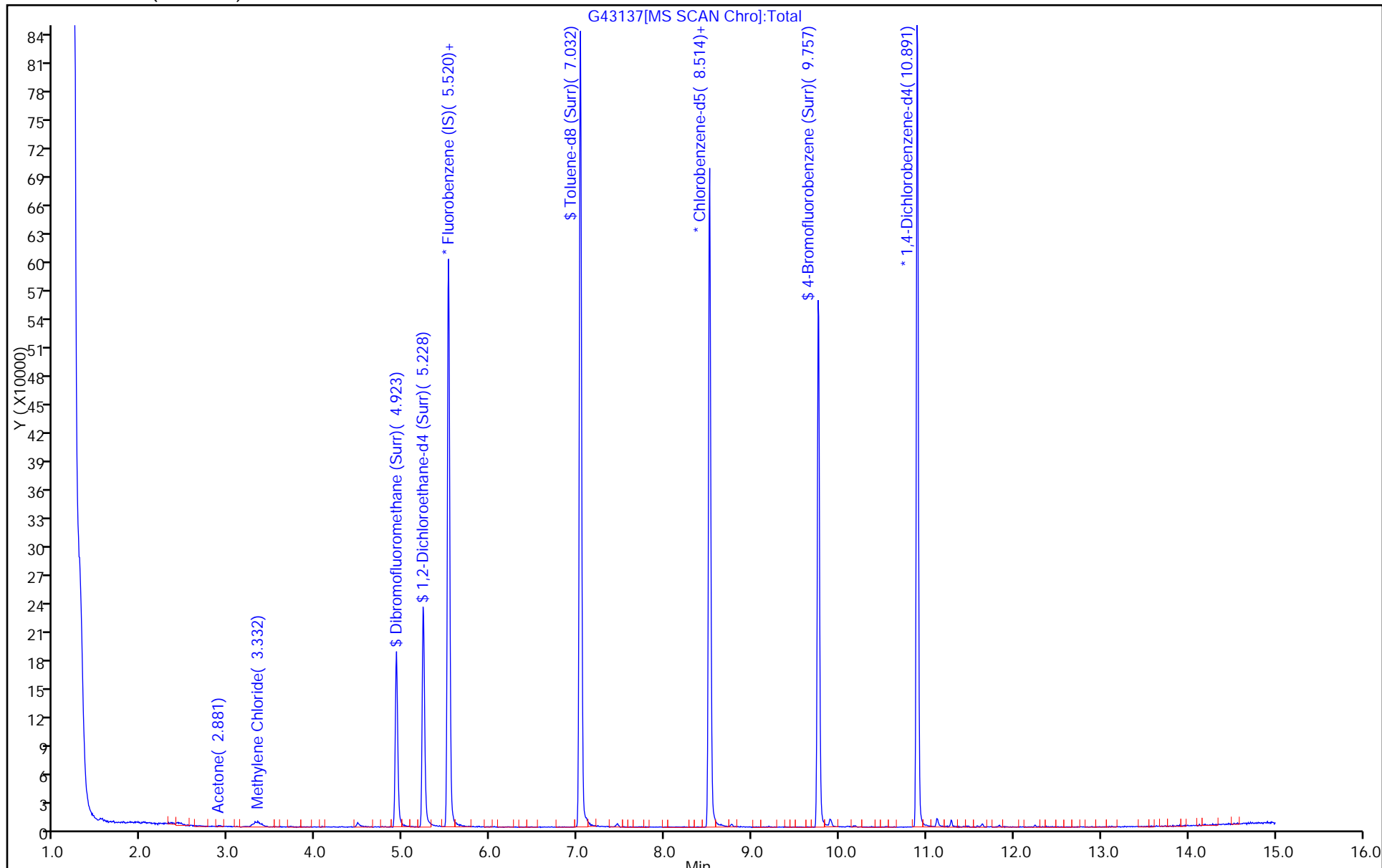
Dil. Factor: 1.0000

ALS Bottle#: 23

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1 Analy Batch No.: 263308

SDG No.: _____

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

Calibration Start Date: 09/13/2015 20:45 Calibration End Date: 09/13/2015 23:00 Calibration ID: 24897

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-263308/4	G42390.D
Level 2	IC 480-263308/5	G42391.D
Level 3	IC 480-263308/6	G42392.D
Level 4	IC 480-263308/7	G42393.D
Level 5	ICIS 480-263308/8	G42394.D
Level 6	IC 480-263308/9	G42395.D
Level 7	IC 480-263308/10	G42396.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Dichlorodifluoromethane	1.9516 1.8794	2.1639 1.5235	1.7872	1.8985	1.8303	Ave	1.8621			0.1000	10.3		20.0				
Chloromethane	++++ 2.6750	2.8464 2.3451	2.5747	2.7199	2.5690	Ave	2.6217			0.1000	6.5		20.0				
Vinyl chloride	2.2492 2.1075	2.1165 1.7622	2.0877	2.1598	2.0407	Ave	2.0748			0.1000	7.3		20.0				
Butadiene	2.4136 2.2494	2.9311 1.8645	2.2166	2.4058	2.2239	Ave	2.3293				13.8		20.0				
Bromomethane	++++ 0.5904	0.7119 0.6241	0.5461	0.6041	0.5724	Ave	0.6082			0.1000	9.4		20.0				
Chloroethane	++++ 0.9826	0.9250 0.8769	0.8640	0.9264	0.9322	Ave	0.9178			0.1000	4.6		20.0				
Dichlorofluoromethane	++++ 2.3853	2.3556 2.1718	2.4220	2.4967	2.2858	Ave	2.3529				4.8		20.0				
Trichlorofluoromethane	++++ 2.2424	2.1661 1.9178	2.1385	2.3105	2.1286	Ave	2.1507			0.1000	6.2		20.0				
Ethyl ether	1.6808 1.5722	1.7136 1.3883	1.5497	1.6364	1.5417	Ave	1.5832				6.8		20.0				
Acrolein	++++ 0.2491	0.1904 0.2321	0.2245	0.2663	0.2467	Ave	0.2348				11.1		20.0				
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 1.7409	1.3037 1.4226	1.3798	1.6010	1.6603	Ave	1.5181			0.1000	11.4		20.0				
1,1-Dichloroethene	++++ 1.8091	1.9870 1.6009	1.7649	1.8010	1.7447	Ave	1.7846			0.1000	7.0		20.0				
Acetone	1.0729 0.8043	0.9059 0.7491	0.8009	0.8966	0.7917	Ave	0.8602			0.1000	12.8		20.0				
Iodomethane	++++ 2.9671	3.0956 2.5995	2.9543	3.1540	2.9459	Ave	2.9527				6.5		20.0				

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

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

Lab Name: TestAmerica Buffalo

Job No.: 480-87966-1

Analy Batch No.: 263308

SDG No.: _____

Instrument ID: HP5973G

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

Heated Purge: (Y/N) N

Calibration Start Date: 09/13/2015 20:45

Calibration End Date: 09/13/2015 23:00

Calibration ID: 24897

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Carbon disulfide	5.0195 4.7918	4.9639 4.2108	4.5436	4.6011	4.7078	Ave		4.6912			0.1000	5.9	20.0				
Allyl chloride	++++ 1.1939	1.2960 1.0256	1.2459	1.2700	1.2565	Ave		1.2147				8.1	20.0				
Methyl acetate	2.4402 2.3721	2.5623 2.1246	2.4686	2.6238	2.4113	Ave		2.4290			0.1000	6.6	20.0				
Methylene Chloride	++++ 1.8122	2.9595 1.5882	1.8861	2.0081	1.8005	Lin1	1.5108	1.6641			0.1000			0.9950		0.9900	
2-Methyl-2-propanol	0.3373 0.3828	0.3371 0.3537	0.3712	0.4067	0.3695	Ave		0.3655				6.9	20.0				
trans-1,2-Dichloroethene	1.7829 1.5694	1.8462 1.3219	1.6560	1.6622	1.6145	Ave		1.6362			0.1000	10.3	20.0				
Methyl tert-butyl ether	4.6111 4.7671	4.9862 4.1873	4.9026	5.1386	4.8418	Ave		4.7764			0.1000	6.5	20.0				
Acrylonitrile	0.9494 1.0522	1.0643 0.9427	1.0710	1.1213	1.0669	Ave		1.0383				6.4	20.0				
Hexane	++++ 2.9432	3.5620 2.5395	2.7823	2.9124	2.9876	Ave		2.9545				11.5	20.0				
1,1-Dichloroethane	3.0060 2.9290	2.9036 2.5514	2.8271	2.9936	2.8858	Ave		2.8709			0.2000	5.4	20.0				
Vinyl acetate	2.6269 3.4773	2.5753 3.1646	2.9098	3.3059	3.3773	Ave		3.0625				11.9	20.0				
2,2-Dichloropropane	1.0693 1.0358	1.1418 0.8990	1.0208	1.0707	1.0726	Ave		1.0443				7.1	20.0				
cis-1,2-Dichloroethene	1.6487 1.5867	1.5136 1.4226	1.5581	1.6286	1.5733	Ave		1.5472			0.1000	4.6	20.0				
2-Butanone (MEK)	1.3766 1.4126	1.4076 1.3136	1.3227	1.4424	1.4074	Ave		1.3833			0.1000	3.5	20.0				
Chlorobromomethane	0.7218 0.8247	0.8226 0.7504	0.8027	0.8574	0.8203	Ave		0.8000				5.9	20.0				
Tetrahydrofuran	1.2142 1.0827	1.0978 1.0010	1.0981	1.1092	1.0747	Ave		1.0773				3.7	20.0				
Chloroform	1.8419 1.5298	1.6833 1.3702	1.5495	1.6145	1.5238	Ave		1.5452			0.2000	6.8	20.0				
1,1,1-Trichloroethane	1.8294 1.9795	2.0504 1.6964	1.8912	1.9546	1.9102	Ave		1.9017			0.1000	6.0	20.0				
Cyclohexane	4.1376 4.1690	3.8757 3.4600	3.8589	3.9783	4.0811	Ave		3.9372			0.1000	6.2	20.0				
Carbon tetrachloride	++++ 1.9858	1.6709 1.7141	1.7447	1.8652	1.9465	Ave		1.8212			0.1000	7.1	20.0				

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

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

Lab Name: TestAmerica Buffalo

Job No.: 480-87966-1

Analy Batch No.: 263308

SDG No.: _____

Instrument ID: HP5973G

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

Heated Purge: (Y/N) N

Calibration Start Date: 09/13/2015 20:45

Calibration End Date: 09/13/2015 23:00

Calibration ID: 24897

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
1,1-Dichloropropene	1.9804 1.9696	2.1246 1.7224	1.8910	1.8796	1.9690	Ave		1.9338			6.4		20.0				
Benzene	6.2517 5.8548	6.2830 5.0543	5.9884	6.1323	5.8552	Ave		5.9171		0.5000	7.1		20.0				
Isobutyl alcohol	++++ 0.1941	0.1447 0.1798	0.1708	0.1959	0.1857	Ave		0.1785			10.6		20.0				
1,2-Dichloroethane	2.2047 2.1261	2.2312 1.9287	2.1428	2.1858	2.1055	Ave		2.1321		0.1000	4.7		20.0				
n-Heptane	++++ 3.6387	4.2138 3.0141	3.6394	3.6665	3.5475	Ave		3.6200			10.5		20.0				
Trichloroethene	++++ 1.5133	1.4664 1.3179	1.4594	1.4928	1.4774	Ave		1.4546		0.2000	4.8		20.0				
Methylcyclohexane	3.0343 3.0466	2.9403 2.5381	2.7288	2.8528	2.9792	Ave		2.8743		0.1000	6.4		20.0				
1,2-Dichloropropane	1.7019 1.6959	1.6597 1.5271	1.6786	1.7285	1.6941	Ave		1.6694		0.1000	4.0		20.0				
Dibromomethane	0.9006 0.8898	0.9339 0.8054	0.8632	0.9339	0.8686	Ave		0.8850		0.1000	5.1		20.0				
1,4-Dioxane	++++ 0.0108	0.0069 0.0093	0.0100	0.0111	0.0097	Ave		0.0096			15.8		20.0				
Bromodichloromethane	1.5116 1.7776	1.6460 1.6352	1.6304	1.7264	1.7205	Ave		1.6640		0.2000	5.2		20.0				
2-Chloroethyl vinyl ether	++++ 1.3575	1.0708 1.2377	1.1620	1.3257	1.3475	Ave		1.2502			9.2		20.0				
cis-1,3-Dichloropropene	2.2699 2.5040	2.2317 2.2839	2.4062	2.4962	2.4610	Ave		2.3790		0.2000	4.8		20.0				
4-Methyl-2-pentanone (MIBK)	++++ 1.3692	1.2581 1.2066	1.3999	1.4047	1.3942	Ave		1.3388		0.1000	6.3		20.0				
Toluene	1.8948 1.9292	1.8917 1.7247	1.9122	1.9101	1.9417	Ave		1.8863		0.4000	3.9		20.0				
trans-1,3-Dichloropropene	++++ 1.1095	0.8453 1.0340	1.0451	1.0247	1.0667	Ave		1.0209		0.1000	8.9		20.0				
Ethyl methacrylate	1.0252 1.1597	1.0359 1.0738	1.0445	1.0939	1.1386	Ave		1.0817			4.8		20.0				
1,1,2-Trichloroethane	0.5724 0.5383	0.5386 0.4912	0.5223	0.5356	0.5396	Ave		0.5340		0.1000	4.5		20.0				
Tetrachloroethene	0.8257 0.8296	0.8071 0.7327	0.8067	0.7682	0.8204	Ave		0.7986		0.2000	4.5		20.0				
1,3-Dichloropropane	1.2294 1.2102	1.1371 1.1138	1.2118	1.1903	1.2059	Ave		1.1855			3.6		20.0				

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1 Analy Batch No.: 263308
 SDG No.: _____
 Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
 Calibration Start Date: 09/13/2015 20:45 Calibration End Date: 09/13/2015 23:00 Calibration ID: 24897

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
2-Hexanone	0.9276 0.9932	0.7033 0.9145	0.9449	0.9881	1.0041	Ave		0.9251			0.1000	11.2	20.0				
Dibromochloromethane	++++ 0.7627	0.5683 0.7209	0.6586	0.6884	0.7210	Ave		0.6867			0.1000	9.9	20.0				
1,2-Dibromoethane	++++ 0.7499	0.6525 0.7019	0.7081	0.7333	0.7448	Ave		0.7151				5.1	20.0				
Chlorobenzene	2.1521 2.2305	2.1606 2.0201	2.2380	2.2139	2.2502	Ave		2.1808			0.5000	3.7	20.0				
1,1,1,2-Tetrachloroethane	++++ 0.7609	0.6889 0.7039	0.7573	0.7369	0.7551	Ave		0.7338				4.2	20.0				
Ethylbenzene	3.6561 3.6335	3.4778 3.2454	3.6148	3.5634	3.6877	Ave		3.5541			0.1000	4.3	20.0				
m,p-Xylene	1.6264 1.5644	1.4587 1.4029	1.5241	1.4854	1.5466	Ave		1.5155			0.1000	4.9	20.0				
o-Xylene	1.4875 1.5366	1.5057 1.3875	1.5318	1.5121	1.5452	Ave		1.5009			0.3000	3.6	20.0				
Styrene	2.2259 2.6037	2.3415 2.3800	2.5186	2.5395	2.6196	Ave		2.4613			0.3000	6.0	20.0				
Bromoform	0.3954 0.4854	0.3836 0.4841	0.3846	0.4068	0.4442	Ave		0.4263			0.1000	10.5	20.0				
Isopropylbenzene	3.0420 3.3025	3.1981 2.8604	3.2295	3.1188	3.2503	Ave		3.1431			0.1000	4.8	20.0				
Bromobenzene	0.7876 0.8521	0.7544 0.7645	0.8166	0.8290	0.8367	Ave		0.8059				4.7	20.0				
1,1,2,2-Tetrachloroethane	0.8546 0.8995	0.8620 0.8308	0.8898	0.9169	0.8957	Ave		0.8785			0.3000	3.4	20.0				
1,2,3-Trichloropropane	0.2763 0.3125	0.3012 0.2849	0.2990	0.3073	0.3136	Ave		0.3031				3.5	20.0				
N-Propylbenzene	3.7169 3.7810	3.7174 3.2696	3.7292	3.6383	3.7230	Ave		3.6536				4.8	20.0				
trans-1,4-Dichloro-2-butene	0.4070 0.4123	0.3747 0.3813	0.3767	0.3843	0.4015	Ave		0.3911				3.9	20.0				
2-Chlorotoluene	0.7165 0.8140	0.8387 0.7397	0.8134	0.7989	0.8107	Ave		0.8026				4.2	20.0				
1,3,5-Trimethylbenzene	2.7613 2.9644	2.8089 2.6188	2.8792	2.8796	2.8948	Ave		2.8296				4.0	20.0				
4-Chlorotoluene	0.7725 0.8628	0.8609 0.7727	0.8386	0.8727	0.8593	Ave		0.8445				4.4	20.0				
tert-Butylbenzene	++++ 0.7284	0.7129 0.6477	0.7094	0.6963	0.7234	Ave		0.7030				4.2	20.0				

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1 Analy Batch No.: 263308
 SDG No.: _____
 Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
 Calibration Start Date: 09/13/2015 20:45 Calibration End Date: 09/13/2015 23:00 Calibration ID: 24897

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
1,2,4-Trimethylbenzene	2.9387 3.1076	2.8569 2.7210	3.0594	3.0734	3.0298	Ave		2.9695			4.7		20.0				
sec-Butylbenzene	3.6114 3.8770	3.7822 3.3500	3.7685	3.6725	3.8049	Ave		3.6952			4.7		20.0				
1,3-Dichlorobenzene	1.6477 1.7781	1.8131 1.5518	1.7497	1.7556	1.7660	Ave		1.7232		0.6000	5.3		20.0				
4-Isopropyltoluene	3.0212 3.5453	3.5016 2.9953	3.4859	3.4168	3.4648	Ave		3.4016			6.0		20.0				
1,4-Dichlorobenzene	1.9578 1.8627	1.8146 1.6543	1.8669	1.8625	1.8156	Ave		1.8335		0.5000	5.0		20.0				
n-Butylbenzene	2.8329 3.0322	2.7028 2.6042	2.8875	2.8668	2.9314	Ave		2.8368			5.0		20.0				
1,2-Dichlorobenzene	1.6238 1.7957	1.7457 1.6115	1.7841	1.8295	1.7946	Ave		1.7602		0.4000	4.4		20.0				
1,2-Dibromo-3-Chloropropane	0.2037 0.2353	0.1875 0.2132	0.1964	0.2044	0.2111	Ave		0.2074		0.0500	7.3		20.0				
1,2,4-Trichlorobenzene	1.4233 1.3901	1.3231 1.1289	1.3185	1.3870	1.3201	Ave		1.3273		0.2000	7.3		20.0				
Hexachlorobutadiene	++++ 0.5729	0.5392 0.4468	0.5184	0.5486	0.5329	Ave		0.5265			8.2		20.0				
Naphthalene	4.1753 4.4908	3.9098 3.6679	4.2638	4.5830	4.3286	Ave		4.2027			7.6		20.0				
1,2,3-Trichlorobenzene	1.2099 1.3159	1.1698 1.0624	1.2207	1.3348	1.2386	Ave		1.2217			7.5		20.0				
Dibromofluoromethane (Surr)	1.0697 1.1117	1.1232 1.0269	1.1018	1.1768	1.1347	Ave		1.1064			4.3		20.0				
1,2-Dichloroethane-d4 (Surr)	0.6940 0.7235	0.7343 0.6622	0.7131	0.7797	0.7085	Ave		0.7165			5.1		20.0				
Toluene-d8 (Surr)	2.2028 2.3091	2.2734 2.1521	2.2909	2.3267	2.2952	Ave		2.2643			2.8		20.0				
4-Bromofluorobenzene (Surr)	0.7756 0.8187	0.7791 0.7736	0.8032	0.7995	0.7997	Ave		0.7928			2.1		20.0				

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1 Analy Batch No.: 263308

SDG No.: _____

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

Calibration Start Date: 09/13/2015 20:45 Calibration End Date: 09/13/2015 23:00 Calibration ID: 24897

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-263308/4	G42390.D
Level 2	IC 480-263308/5	G42391.D
Level 3	IC 480-263308/6	G42392.D
Level 4	IC 480-263308/7	G42393.D
Level 5	ICIS 480-263308/8	G42394.D
Level 6	IC 480-263308/9	G42395.D
Level 7	IC 480-263308/10	G42396.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	Ave	4072 391800	8712 711930	37511	72338	193107	0.500 50.0	1.00 100	5.00	10.0	25.0
Chloromethane	FB	Ave	++++ 557667	11460 1095833	54039	103636	271036	++++ 50.0	1.00 100	5.00	10.0	25.0
Vinyl chloride	FB	Ave	4693 439347	8521 823444	43817	82294	215303	0.500 50.0	1.00 100	5.00	10.0	25.0
Butadiene	FB	Ave	5036 468933	11801 871281	46523	91669	234629	0.500 50.0	1.00 100	5.00	10.0	25.0
Bromomethane	FB	Ave	++++ 123075	2866 291639	11462	23018	60393	++++ 50.0	1.00 100	5.00	10.0	25.0
Chloroethane	FB	Ave	++++ 204835	3724 409777	18133	35298	98349	++++ 50.0	1.00 100	5.00	10.0	25.0
Dichlorofluoromethane	FB	Ave	++++ 497264	9484 1014851	50834	95130	241157	++++ 50.0	1.00 100	5.00	10.0	25.0
Trichlorofluoromethane	FB	Ave	++++ 467475	8721 896176	44884	88036	224573	++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl ether	FB	Ave	3507 327764	6899 648722	32526	62351	162656	0.500 50.0	1.00 100	5.00	10.0	25.0
Acrolein	FB	Ave	++++ 259605	3833 542239	23559	50742	130139	++++ 250	5.00 500	25.0	50.0	125
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 362930	5249 664760	28960	61003	175164	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethene	FB	Ave	++++ 377135	8000 748066	37042	68624	184076	++++ 50.0	1.00 100	5.00	10.0	25.0
Acetone	FB	Ave	11193 838413	18237 1750142	84048	170813	417660	2.50 250	5.00 500	25.0	50.0	125
Iodomethane	FB	Ave	++++ 618556	12463 1214725	62007	120175	310799	++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon disulfide	FB	Ave	10473 998952	19985 1967662	95363	175313	496687	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo

Job No.: 480-87966-1

Analy Batch No.: 263308

SDG No.: _____

Instrument ID: HP5973G

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

Heated Purge: (Y/N) N

Calibration Start Date: 09/13/2015 20:45

Calibration End Date: 09/13/2015 23:00

Calibration ID: 24897

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	++++ 248897	5218 479264	26149	48390	132566	++++ 50.0	1.00 100	5.00	10.0	25.0
Methyl acetate	FB	Ave	25457 2472580	51581 4963897	259056	499868	1272019	2.50 250	5.00 500	25.0	50.0	125
Methylene Chloride	FB	Lin1	++++ 377797	11915 742137	39587	76515	189953	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Methyl-2-propanol	FB	Ave	7038 798002	13571 1652643	77918	154958	389833	5.00 500	10.0 1000	50.0	100	250
trans-1,2-Dichloroethene	FB	Ave	3720 327180	7433 617721	34757	63334	170331	0.500 50.0	1.00 100	5.00	10.0	25.0
Methyl tert-butyl ether	FB	Ave	9621 993805	20075 1956680	102897	195796	510829	0.500 50.0	1.00 100	5.00	10.0	25.0
Acrylonitrile	FB	Ave	19809 2193604	42851 4405308	224779	427239	1125626	5.00 500	10.0 1000	50.0	100	250
Hexane	FB	Ave	++++ 613576	14341 1186699	58395	110970	315203	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethane	FB	Ave	6272 610602	11690 1192250	59336	114064	304463	0.500 50.0	1.00 100	5.00	10.0	25.0
Vinyl acetate	FB	Ave	10962 1449837	20737 2957600	122142	251930	712627	1.00 100	2.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	2231 215928	4597 420092	21426	40795	113158	0.500 50.0	1.00 100	5.00	10.0	25.0
cis-1,2-Dichloroethene	FB	Ave	3440 330783	6094 664764	32703	62056	165986	0.500 50.0	1.00 100	5.00	10.0	25.0
2-Butanone (MEK)	FB	Ave	14361 1472395	28336 3069087	138805	274791	742412	2.50 250	5.00 500	25.0	50.0	125
Chlorobromomethane	FB	Ave	1506 171931	3312 350635	16848	32668	86544	0.500 50.0	1.00 100	5.00	10.0	25.0
Tetrahydrofuran	FB	Ave	5067 451418	8840 935513	46095	84529	226777	1.00 100	2.00 200	10.0	20.0	50.0
Chloroform	FB	Ave	3843 318923	6777 640260	32521	61517	160764	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,1-Trichloroethane	FB	Ave	3817 412663	8255 792712	39694	74477	201531	0.500 50.0	1.00 100	5.00	10.0	25.0
Cyclohexane	FB	Ave	8633 869113	15604 1616810	80993	151586	430570	0.500 50.0	1.00 100	5.00	10.0	25.0
Carbon tetrachloride	FB	Ave	++++ 413976	6727 800961	36619	71070	205364	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloropropene	FB	Ave	4132 410606	8554 804842	39689	71618	207734	0.500 50.0	1.00 100	5.00	10.0	25.0
Benzene	FB	Ave	13044 1220545	25296 2361823	125686	233657	617738	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo

Job No.: 480-87966-1

Analy Batch No.: 263308

SDG No.: _____

Instrument ID: HP5973G

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

Heated Purge: (Y/N) N

Calibration Start Date: 09/13/2015 20:45

Calibration End Date: 09/13/2015 23:00

Calibration ID: 24897

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	Ave	++++ 1011732	14562 2100994	89612	186639	489825	++++ 1250	25.0 2500	125	250	625
1,2-Dichloroethane	FB	Ave	4600 443219	8983 901238	44973	83285	222138	0.500 50.0	1.00 100	5.00	10.0	25.0
n-Heptane	FB	Ave	++++ 758568	16965 1408453	76385	139704	374273	++++ 50.0	1.00 100	5.00	10.0	25.0
Trichloroethene	FB	Ave	++++ 315482	5904 615845	30631	56879	155875	++++ 50.0	1.00 100	5.00	10.0	25.0
Methylcyclohexane	FB	Ave	6331 635132	11838 1186014	57274	108700	314315	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloropropane	FB	Ave	3551 353549	6682 713585	35232	65859	178733	0.500 50.0	1.00 100	5.00	10.0	25.0
Dibromomethane	FB	Ave	1879 185491	3760 376343	18117	35583	91640	0.500 50.0	1.00 100	5.00	10.0	25.0
1,4-Dioxane	CBZ	Ave	++++ 95645	1219 181204	8837	19074	43804	++++ 1000	20.0 2000	100	200	500
Bromodichloromethane	FB	Ave	3154 370568	6627 764092	34219	65780	181521	0.500 50.0	1.00 100	5.00	10.0	25.0
2-Chloroethyl vinyl ether	FB	Ave	++++ 282996	4311 578356	24388	50511	142167	++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	4736 522009	8985 1067259	50503	95114	259639	0.500 50.0	1.00 100	5.00	10.0	25.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	++++ 3038438	55913 5908939	310133	602433	1566661	++++ 250	5.00 500	25.0	50.0	125
Toluene	CBZ	Ave	8481 856254	16815 1689252	84724	163835	436392	0.500 50.0	1.00 100	5.00	10.0	25.0
trans-1,3-Dichloropropene	CBZ	Ave	++++ 492462	7514 1012729	46308	87896	239733	++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl methacrylate	CBZ	Ave	4589 514724	9208 1051744	46278	93827	255885	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloroethane	CBZ	Ave	2562 238928	4787 481103	23142	45938	121266	0.500 50.0	1.00 100	5.00	10.0	25.0
Tetrachloroethene	CBZ	Ave	3696 368207	7174 717612	35745	65888	184381	0.500 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichloropropane	CBZ	Ave	5503 537125	10107 1090892	53692	102094	271018	0.500 50.0	1.00 100	5.00	10.0	25.0
2-Hexanone	CBZ	Ave	20760 2204035	31258 4478369	209329	423785	1128355	2.50 250	5.00 500	25.0	50.0	125
Dibromochloromethane	CBZ	Ave	++++ 338526	5051 706091	29182	59050	162048	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromoethane	CBZ	Ave	++++ 332855	5800 687512	31376	62897	167382	++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo

Job No.: 480-87966-1

Analy Batch No.: 263308

SDG No.: _____

Instrument ID: HP5973G

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

Heated Purge: (Y/N) N

Calibration Start Date: 09/13/2015 20:45

Calibration End Date: 09/13/2015 23:00

Calibration ID: 24897

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	9633 990007	19205 1978606	99159	189898	505706	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	++++ 337707	6123 689462	33556	63207	169708	++++ 50.0	1.00 100	5.00	10.0	25.0
Ethylbenzene	CBZ	Ave	16365 1612675	30913 3178655	160162	305647	828781	0.500 50.0	1.00 100	5.00	10.0	25.0
m,p-Xylene	CBZ	Ave	7280 694340	12966 1374060	67527	127414	347592	0.500 50.0	1.00 100	5.00	10.0	25.0
o-Xylene	CBZ	Ave	6658 681996	13384 1358952	67870	129702	347278	0.500 50.0	1.00 100	5.00	10.0	25.0
Styrene	CBZ	Ave	9963 1155630	20813 2331115	111594	217827	588732	0.500 50.0	1.00 100	5.00	10.0	25.0
Bromoform	CBZ	Ave	1770 215454	3410 474185	17039	34890	99834	0.500 50.0	1.00 100	5.00	10.0	25.0
Isopropylbenzene	DCB	Ave	16669 1754278	33695 3442488	172753	320822	885995	0.500 50.0	1.00 100	5.00	10.0	25.0
Bromobenzene	DCB	Ave	4316 452604	7948 920095	43683	85280	228083	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,2,2-Tetrachloroethane	DCB	Ave	4683 477785	9082 999923	47596	94313	244170	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichloropropane	DCB	Ave	1514 165972	3173 342835	15993	31610	85480	0.500 50.0	1.00 100	5.00	10.0	25.0
N-Propylbenzene	DCB	Ave	20367 2008415	39167 3934965	199487	374253	1014865	0.500 50.0	1.00 100	5.00	10.0	25.0
trans-1,4-Dichloro-2-butene	DCB	Ave	2230 219035	3948 458906	20150	39530	109434	0.500 50.0	1.00 100	5.00	10.0	25.0
2-Chlorotoluene	DCB	Ave	3926 432408	8837 890291	43512	82181	220978	0.500 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trimethylbenzene	DCB	Ave	15131 1574675	29595 3151730	154016	296209	789098	0.500 50.0	1.00 100	5.00	10.0	25.0
4-Chlorotoluene	DCB	Ave	4233 458336	9071 929925	44861	89769	234227	0.500 50.0	1.00 100	5.00	10.0	25.0
tert-Butylbenzene	DCB	Ave	++++ 386945	7511 779485	37946	71626	197191	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trimethylbenzene	DCB	Ave	16103 1650731	30100 3274780	163654	316149	825900	0.500 50.0	1.00 100	5.00	10.0	25.0
sec-Butylbenzene	DCB	Ave	19789 2059448	39849 4031776	201588	377777	1037197	0.500 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichlorobenzene	DCB	Ave	9029 944530	19103 1867558	93599	180592	481394	0.500 50.0	1.00 100	5.00	10.0	25.0
4-Isopropyltoluene	DCB	Ave	16555 1883254	36893 3604872	186471	351472	944465	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1 Analy Batch No.: 263308

SDG No.: _____

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

Calibration Start Date: 09/13/2015 20:45 Calibration End Date: 09/13/2015 23:00 Calibration ID: 24897

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	10728 989463	19119 1990962	99864	191586	494921	0.500 50.0	1.00 100	5.00	10.0	25.0
n-Butylbenzene	DCB	Ave	15523 1610676	28477 3134171	154459	294893	799079	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichlorobenzene	DCB	Ave	8898 953884	18393 1939495	95435	188191	489191	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	1116 125015	1975 256566	10508	21022	57534	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trichlorobenzene	DCB	Ave	7799 738428	13940 1358683	70529	142672	359842	0.500 50.0	1.00 100	5.00	10.0	25.0
Hexachlorobutadiene	DCB	Ave	++++ 304293	5681 537677	27729	56435	145269	++++ 50.0	1.00 100	5.00	10.0	25.0
Naphthalene	DCB	Ave	22879 2385475	41194 4414349	228083	471434	1179934	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichlorobenzene	DCB	Ave	6630 698983	12325 1278560	65299	137310	337635	0.500 50.0	1.00 100	5.00	10.0	25.0
Dibromofluoromethane (Surr)	FB	Ave	111591 115882	113054 119965	115624	112094	119716	25.0 25.0	25.0 25.0	25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	72402 75414	73905 77361	74837	74269	74753	25.0 25.0	25.0 25.0	25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	492993 512443	505179 526973	507525	498924	515824	25.0 25.0	25.0 25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	173582 181695	173137 189425	177946	171436	179716	25.0 25.0	25.0 25.0	25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
 Lims ID: IC 0.5
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 13-Sep-2015 20:45:30 ALS Bottle#: 6 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.5
 Misc. Info.: 480-0046201-004
 Operator ID: jg Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Sep-2015 19:07:25 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: gentilej Date: 14-Sep-2015 09:56:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.514	5.514	0.000	99	104324	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	85	223801	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.897	0.000	94	273981	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.923	4.923	0.000	94	111591	25.0	24.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	72402	25.0	24.1	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	92	492993	25.0	24.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.763	9.763	0.000	90	173582	25.0	24.5	
10 Dichlorodifluoromethane	85	1.369	1.369	0.000	43	4072	0.5000	0.5221	M
12 Chloromethane	50	1.527	1.521	0.006	98	6263	0.5000	0.5700	M
13 Vinyl chloride	62	1.637	1.643	-0.006	42	4693	0.5000	0.5400	
144 Butadiene	54	1.667	1.661	0.006	92	5036	0.5000	0.5162	
14 Bromomethane	94		1.923				ND	ND	
15 Chloroethane	64		2.058				ND	ND	
16 Dichlorofluoromethane	67		2.265				ND	ND	
17 Trichlorofluoromethane	101	2.295	2.295	0.000	36	3655	0.5000	0.4054	
18 Ethyl ether	59	2.551	2.551	0.000	93	3507	0.5000	0.5288	
19 Acrolein	56	2.704	2.716	-0.012	50	3579	2.50	3.64	
21 1,1,2-Trichloro-1,2,2-trif	101	2.826	2.789	0.037	1	2422	0.5000	0.3804	
20 1,1-Dichloroethene	96	2.795	2.801	-0.006	53	2908	0.5000	0.3888	
22 Acetone	43	2.881	2.875	0.007	98	11193	2.50	3.11	M
23 Iodomethane	142	2.960	2.960	0.000	70	5414	0.5000	0.4375	
24 Carbon disulfide	76	2.990	2.996	-0.006	87	10473	0.5000	0.5329	M
26 3-Chloro-1-propene	41	3.118	3.118	0.000	19	2955	0.5000	0.5804	
28 Methyl acetate	43	3.185	3.173	0.012	100	25457	2.50	2.52	M
29 Methylene Chloride	84	3.326	3.307	0.019	95	7845	0.5000	0.2274	
30 2-Methyl-2-propanol	59	3.478	3.454	0.024	91	7038	5.00	4.60	
32 trans-1,2-Dichloroethene	96	3.490	3.496	-0.006	61	3720	0.5000	0.5428	M
31 Methyl tert-butyl ether	73	3.521	3.502	0.019	94	9621	0.5000	0.4809	
33 Acrylonitrile	53	3.563	3.527	0.036	100	19809	5.00	4.61	
34 Hexane	57	3.704	3.710	-0.006	95	7338	0.5000	0.5925	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.905	3.905	0.000	96	6272	0.5000	0.5215	
38 Vinyl acetate	43	3.996	3.972	0.024	62	10962	1.00	0.8541	M
42 2,2-Dichloropropane	77	4.423	4.429	-0.006	20	2231	0.5000	0.5100	
43 cis-1,2-Dichloroethene	96	4.466	4.460	0.006	76	3440	0.5000	0.5258	
44 2-Butanone (MEK)	43	4.551	4.502	0.049	78	14361	2.50	2.48	M
48 Chlorobromomethane	128	4.703	4.691	0.012	88	1506	0.5000	0.4494	
49 Tetrahydrofuran	42	4.777	4.746	0.031	68	5067	1.00	1.10	M
50 Chloroform	85	4.764	4.764	0.000	92	3843	0.5000	0.5780	
51 1,1,1-Trichloroethane	97	4.892	4.899	-0.006	35	3817	0.5000	0.4791	
52 Cyclohexane	56	4.917	4.923	-0.006	32	8633	0.5000	0.5233	M
53 Carbon tetrachloride	117	5.045	5.045	0.000	64	2806	0.5000	0.3675	
54 1,1-Dichloropropene	75	5.057	5.051	0.006	91	4132	0.5000	0.5101	
56 Benzene	78	5.252	5.252	0.000	94	13044	0.5000	0.5263	
55 Isobutyl alcohol	43	5.289	5.264	0.025	54	7153	12.5	9.56	M
57 1,2-Dichloroethane	62	5.313	5.301	0.012	90	4600	0.5000	0.5151	
59 n-Heptane	43	5.447	5.447	0.000	89	9407	0.5000	0.6200	
61 Trichloroethene	95	5.862	5.862	0.000	93	3773	0.5000	0.6188	
62 Methylcyclohexane	83	5.990	5.996	-0.006	95	6331	0.5000	0.5257	
63 1,2-Dichloropropane	63	6.087	6.087	0.000	93	3551	0.5000	0.5078	
65 Dibromomethane	93	6.246	6.228	0.018	94	1879	0.5000	0.5069	
66 1,4-Dioxane	88	6.301	6.264	0.037	1	554	10.0	6.43	M
67 Dichlorobromomethane	83	6.386	6.374	0.012	42	3154	0.5000	0.4524	
70 2-Chloroethyl vinyl ether	63		6.660				ND	ND	
72 cis-1,3-Dichloropropene	75	6.813	6.801	0.012	48	4736	0.5000	0.4752	
73 4-Methyl-2-pentanone (MIBK)	43	6.959	6.947	0.012	96	26204	2.50	2.19	M
74 Toluene	92	7.093	7.099	-0.006	97	8481	0.5000	0.5022	
76 trans-1,3-Dichloropropene	75	7.380	7.361	0.019	53	3871	0.5000	0.4236	
78 Ethyl methacrylate	69	7.441	7.428	0.013	63	4589	0.5000	0.4739	
79 1,1,2-Trichloroethane	83	7.550	7.550	0.000	90	2562	0.5000	0.5360	
80 Tetrachloroethene	166	7.642	7.642	0.000	94	3696	0.5000	0.5170	
81 1,3-Dichloropropane	76	7.709	7.709	0.000	94	5503	0.5000	0.5185	
82 2-Hexanone	43	7.813	7.788	0.025	95	20760	2.50	2.51	M
83 Chlorodibromomethane	129	7.947	7.947	0.000	87	2553	0.5000	0.4153	
84 Ethylene Dibromide	107	8.063	8.050	0.013	94	2643	0.5000	0.4129	
86 Chlorobenzene	112	8.544	8.544	0.000	96	9633	0.5000	0.4934	
88 1,1,1,2-Tetrachloroethane	131	8.636	8.636	0.000	44	2823	0.5000	0.4297	
89 Ethylbenzene	91	8.642	8.642	0.000	98	16365	0.5000	0.5144	
90 m-Xylene & p-Xylene	106	8.764	8.764	0.000	0	7280	0.5000	0.5366	
91 o-Xylene	106	9.196	9.190	0.006	96	6658	0.5000	0.4955	
92 Styrene	104	9.215	9.215	0.000	95	9963	0.5000	0.4522	
93 Bromoform	173	9.453	9.446	0.007	38	1770	0.5000	0.4638	
95 Isopropylbenzene	105	9.574	9.574	0.000	95	16669	0.5000	0.4839	
97 Bromobenzene	156	9.916	9.910	0.006	90	4316	0.5000	0.4887	
98 1,1,2,2-Tetrachloroethane	83	9.952	9.946	0.006	90	4683	0.5000	0.4864	
99 1,2,3-Trichloropropane	110	9.983	9.977	0.006	83	1514	0.5000	0.4617	
100 trans-1,4-Dichloro-2-buten	53	9.995	9.995	0.000	57	2230	0.5000	0.5203	
101 N-Propylbenzene	91	9.995	9.995	0.000	99	20367	0.5000	0.5087	
102 2-Chlorotoluene	126	10.099	10.099	0.000	97	3926	0.5000	0.4533	
104 1,3,5-Trimethylbenzene	105	10.178	10.178	0.000	96	15131	0.5000	0.4879	
105 4-Chlorotoluene	126	10.208	10.208	0.000	97	4233	0.5000	0.4630	
106 tert-Butylbenzene	134	10.489	10.489	0.000	94	3214	0.5000	0.4172	
107 1,2,4-Trimethylbenzene	105	10.544	10.544	0.000	85	16103	0.5000	0.4948	

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	10.702	10.702	0.000	94	19789	0.5000	0.4887	
110 1,3-Dichlorobenzene	146	10.836	10.830	0.006	77	9029	0.5000	0.4781	
111 4-Isopropyltoluene	119	10.843	10.842	0.000	98	16555	0.5000	0.4513	
113 1,4-Dichlorobenzene	146	10.922	10.916	0.006	92	10728	0.5000	0.5339	
115 n-Butylbenzene	91	11.227	11.227	0.000	96	15523	0.5000	0.4993	
116 1,2-Dichlorobenzene	146	11.275	11.269	0.006	97	8898	0.5000	0.4664	
117 1,2-Dibromo-3-Chloropropan	75	11.983	11.982	0.001	80	1116	0.5000	0.4911	
119 1,2,4-Trichlorobenzene	180	12.671	12.677	-0.006	94	7799	0.5000	0.5362	
120 Hexachlorobutadiene	225	12.799	12.799	0.000	54	3325	0.5000	0.5763	
121 Naphthalene	128	12.885	12.885	0.000	97	22879	0.5000	0.4967	
122 1,2,3-Trichlorobenzene	180	13.092	13.086	0.006	93	6630	0.5000	0.4952	
S 123 Total BTEX	1				0			2.58	
S 124 Xylenes, Total	1				0			1.03	
S 125 1,2-Dichloroethene, Total	1				0			1.07	
S 126 1,3-Dichloropropene, Total	1				0			0.8987	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00049	Amount Added: 0.50	Units: uL	
GAS CORP mix_00107	Amount Added: 0.50	Units: uL	
G_8260_Surr_00105	Amount Added: 1.00	Units: uL	Run Reagent
G_8260_IS_00096	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D

Injection Date: 13-Sep-2015 20:45:30

Instrument ID: HP5973G

Operator ID: jg

Lims ID: IC 0.5

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

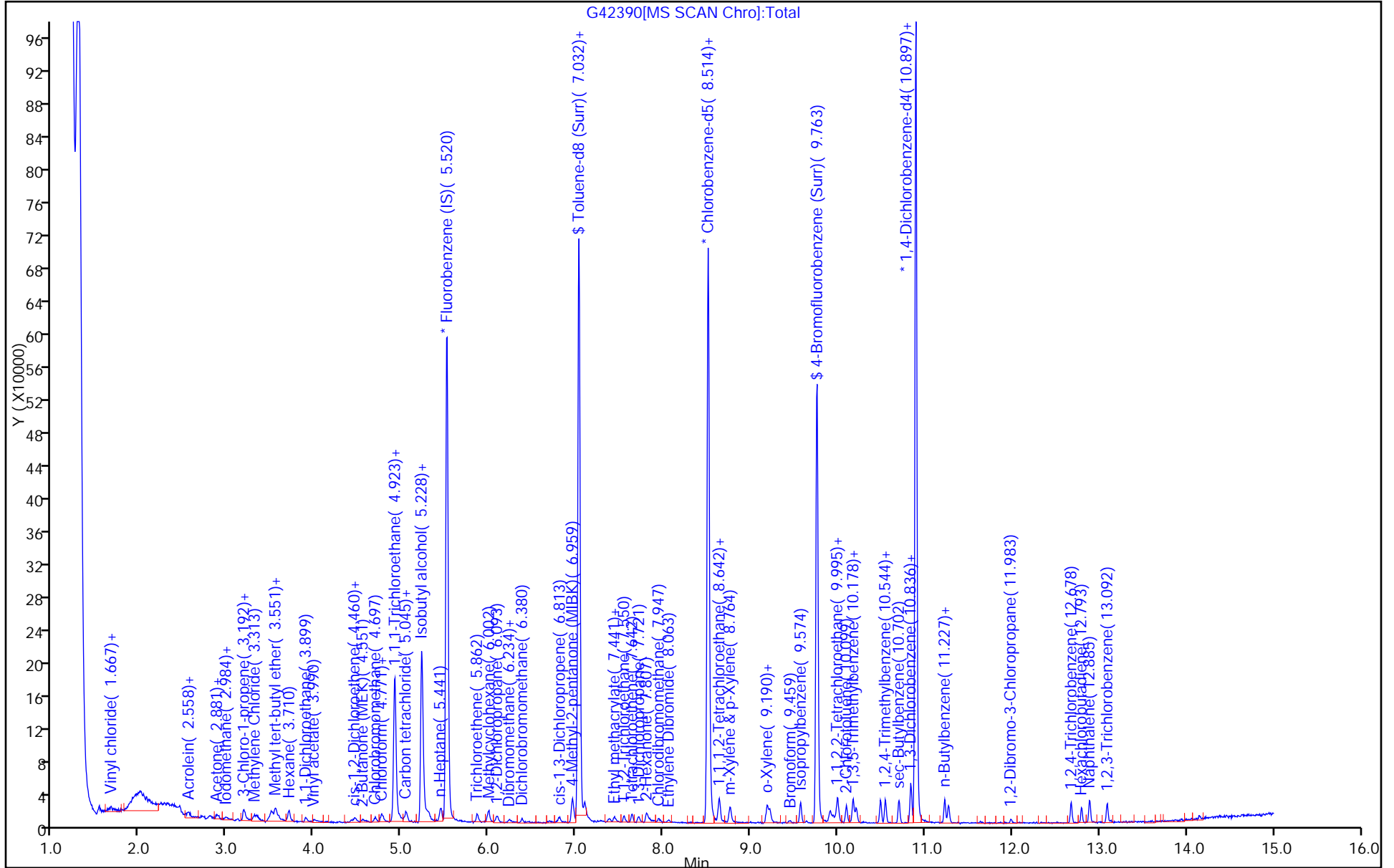
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



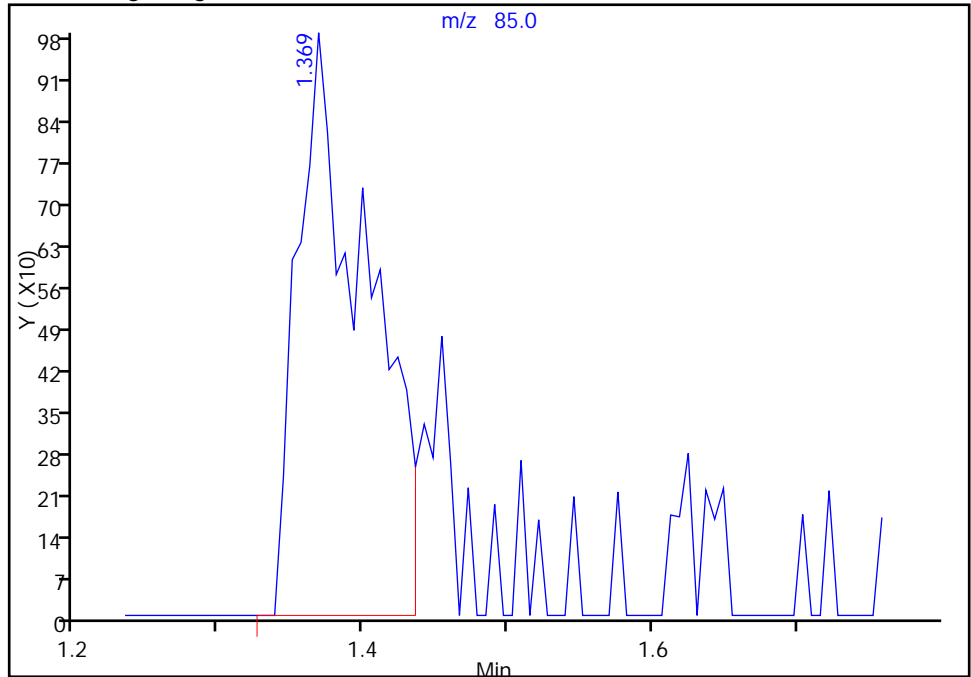
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
Injection Date: 13-Sep-2015 20:45:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: jg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

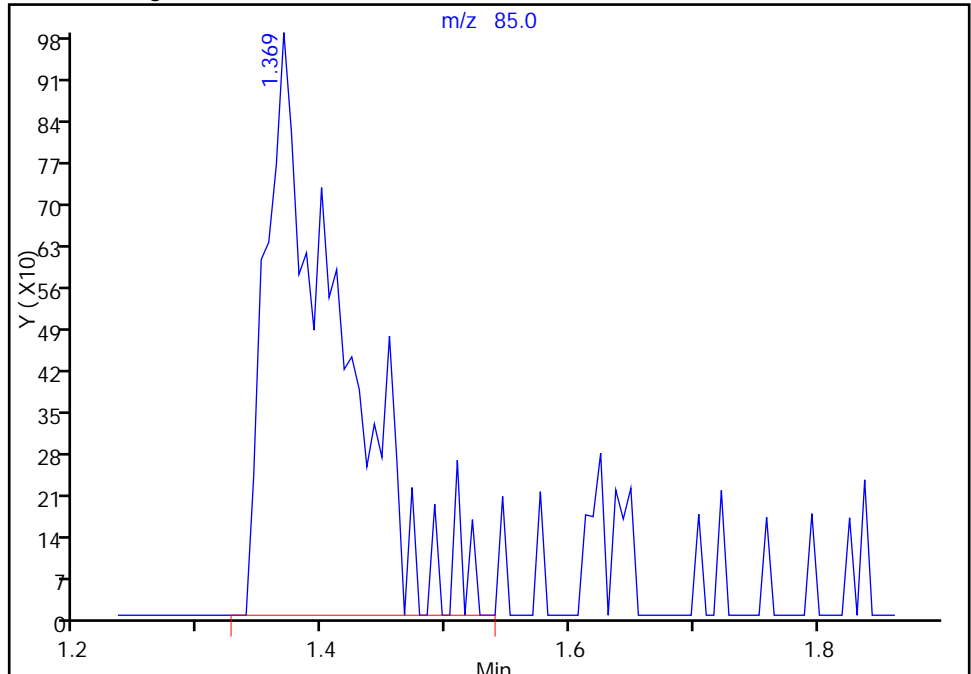
RT: 1.37
Area: 3290
Amount: 0.071106
Amount Units: ug/L

Processing Integration Results



RT: 1.37
Area: 4072
Amount: 0.522068
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:10:33
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

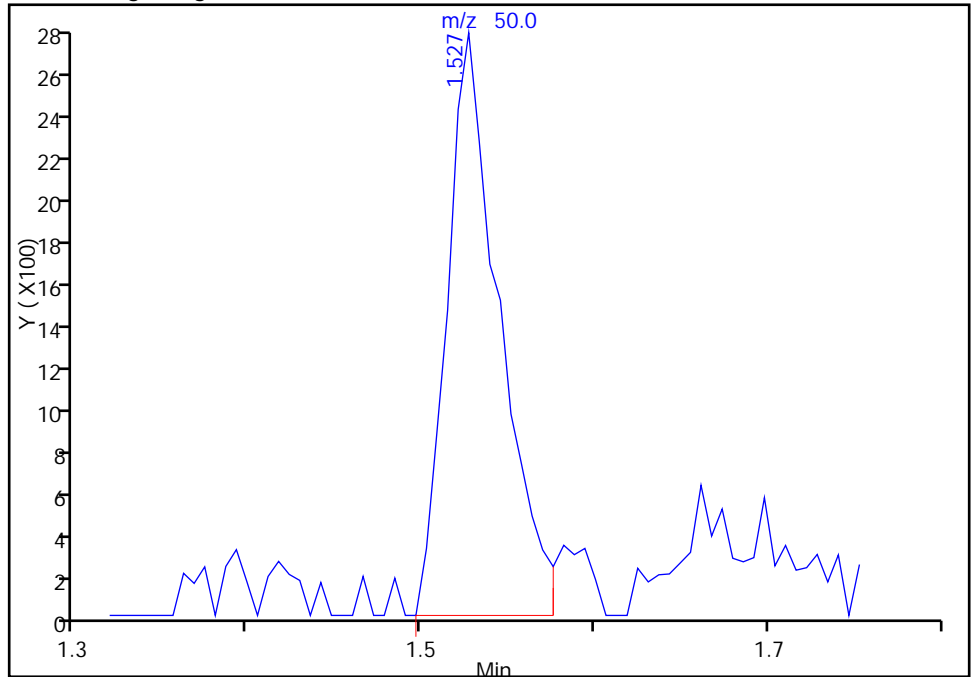
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
Injection Date: 13-Sep-2015 20:45:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: jg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

12 Chloromethane, CAS: 74-87-3

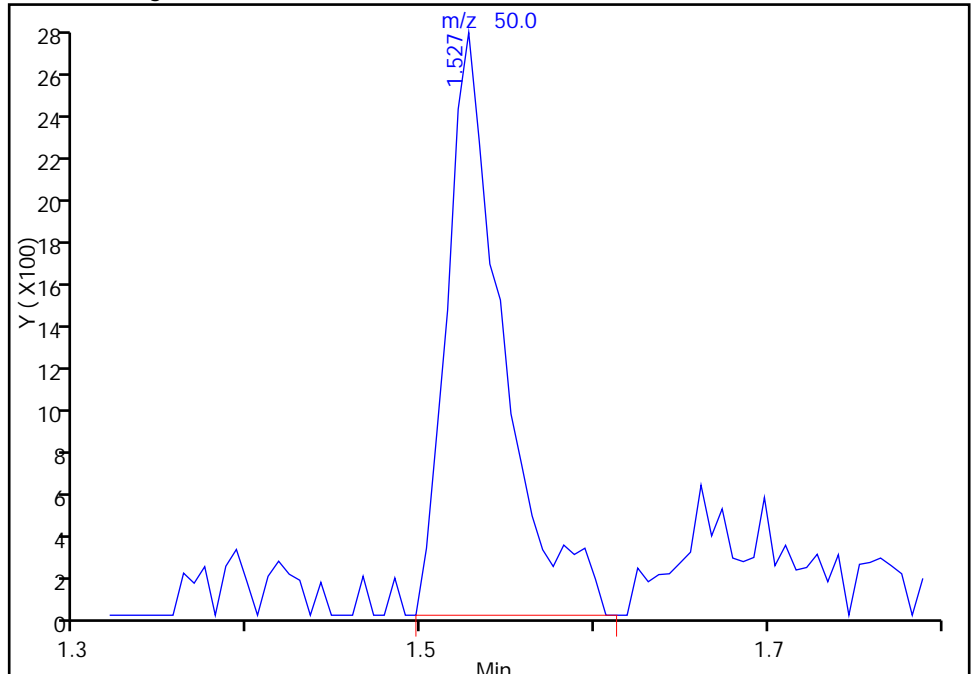
RT: 1.53
Area: 5855
Amount: 0.083288
Amount Units: ug/L

Processing Integration Results



RT: 1.53
Area: 6263
Amount: 0.569951
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:03:16
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

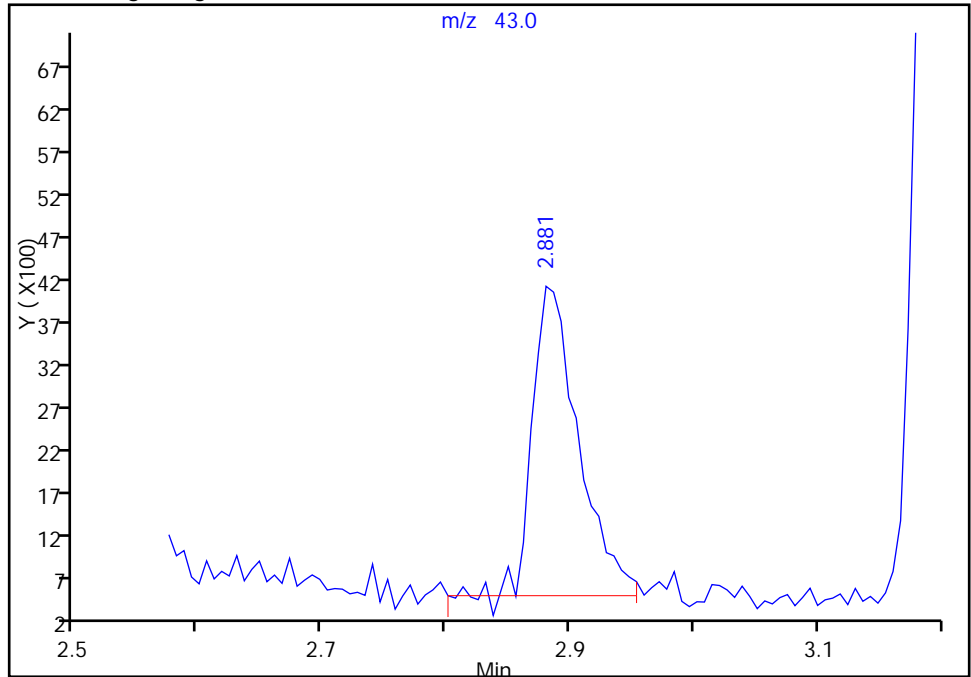
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
Injection Date: 13-Sep-2015 20:45:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: jg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

22 Acetone, CAS: 67-64-1

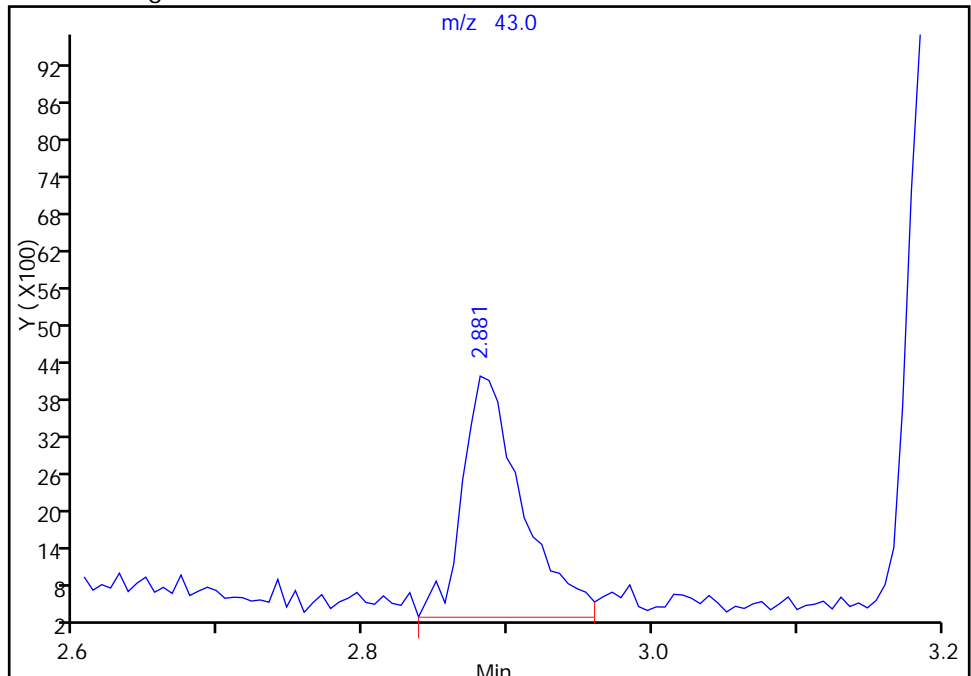
RT: 2.88
Area: 9416
Amount: 2.689805
Amount Units: ug/L

Processing Integration Results



RT: 2.88
Area: 11193
Amount: 3.107295
Amount Units: ug/L

Manual Integration Results



Reviewer: o'briens, 14-Sep-2015 19:07:25
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

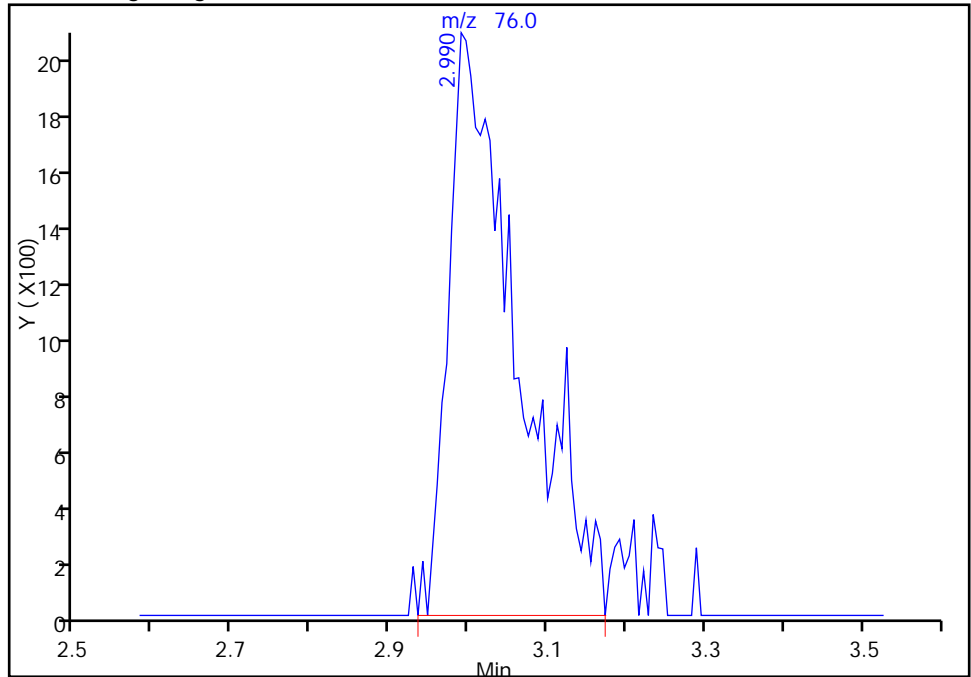
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
Injection Date: 13-Sep-2015 20:45:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: jg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

24 Carbon disulfide, CAS: 75-15-0

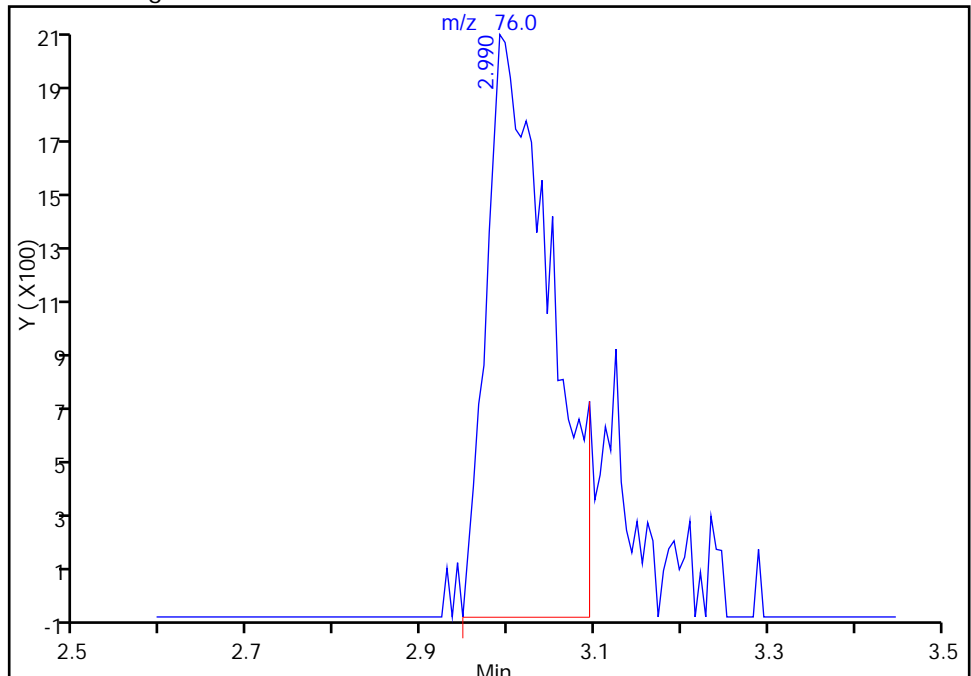
RT: 2.99
Area: 12452
Amount: 0.640663
Amount Units: ug/L

Processing Integration Results



RT: 2.99
Area: 10473
Amount: 0.532928
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:49:16
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

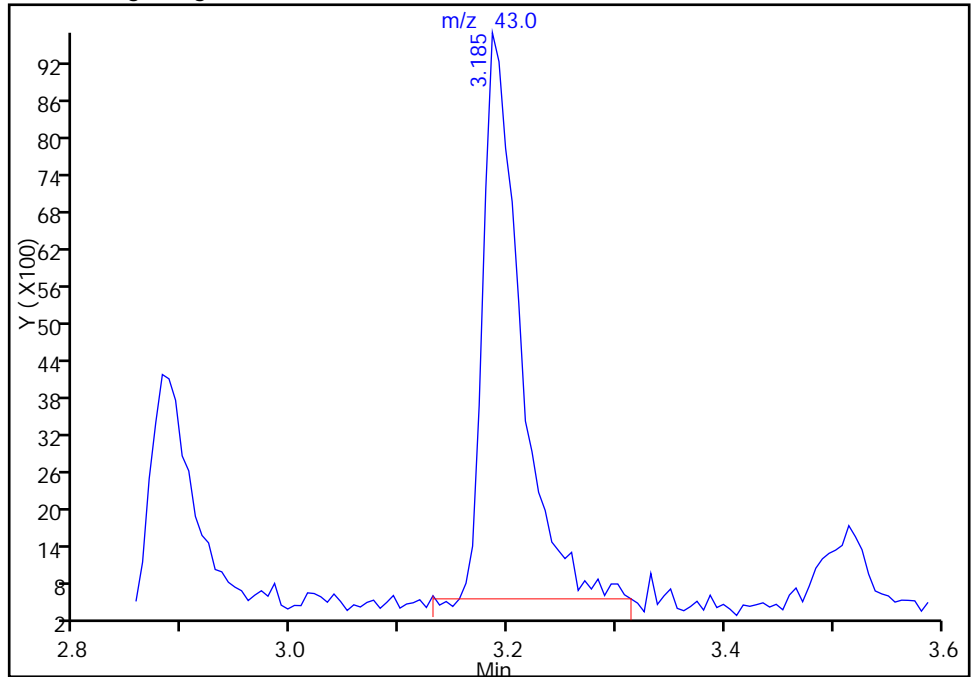
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
Injection Date: 13-Sep-2015 20:45:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: jg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

28 Methyl acetate, CAS: 79-20-9

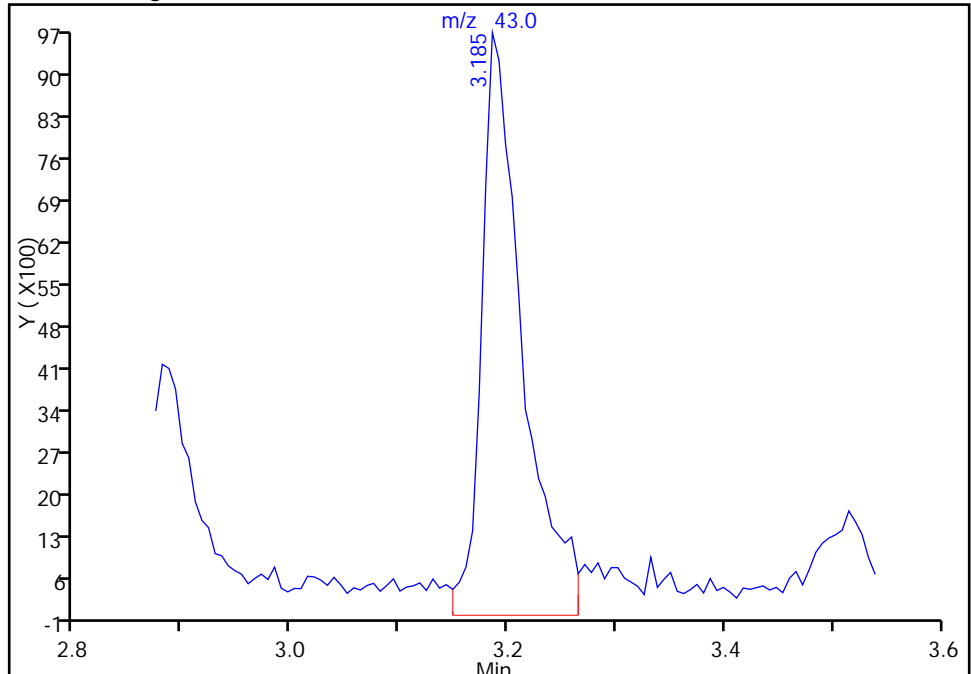
RT: 3.19
Area: 21893
Amount: 0.391284
Amount Units: ug/L

Processing Integration Results



RT: 3.19
Area: 25457
Amount: 2.519112
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:03:16
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

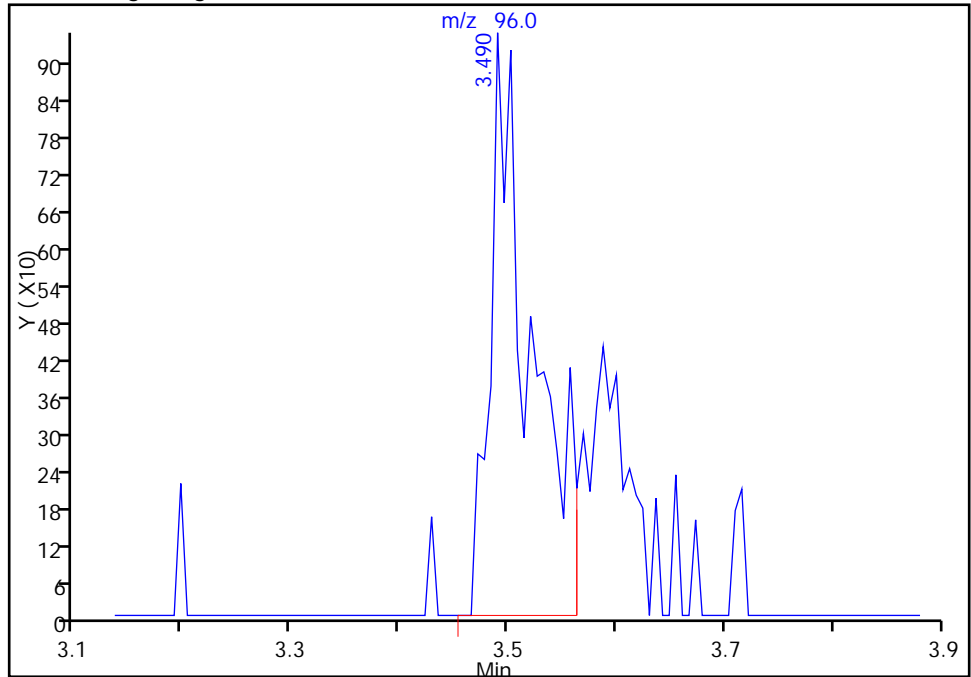
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
Injection Date: 13-Sep-2015 20:45:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: jg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

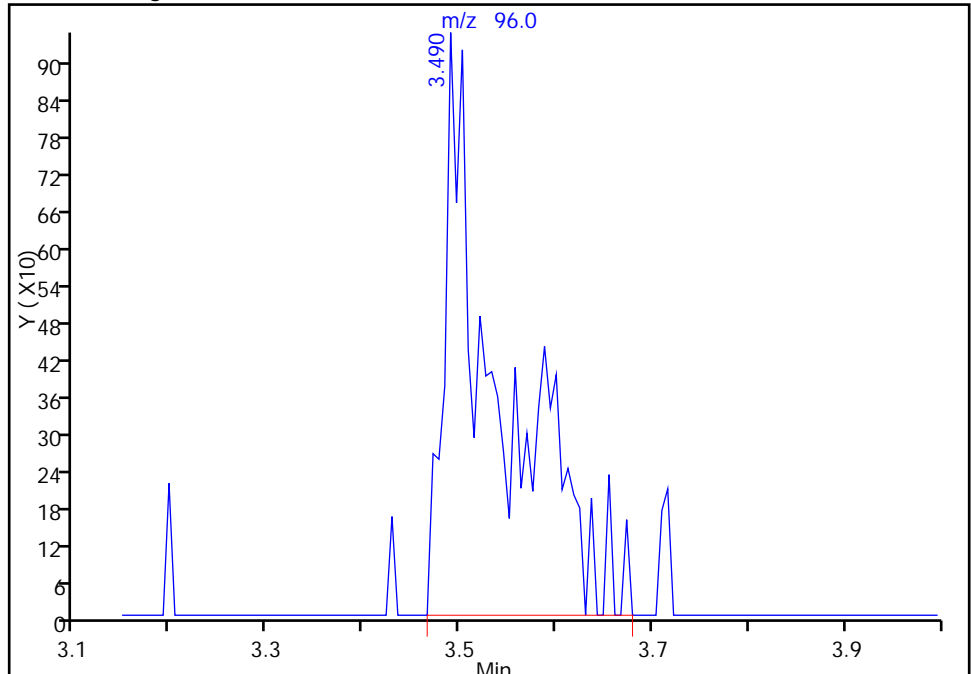
RT: 3.49
Area: 2484
Amount: 0.432753
Amount Units: ug/L

Processing Integration Results



RT: 3.49
Area: 3720
Amount: 0.542845
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:56:44
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

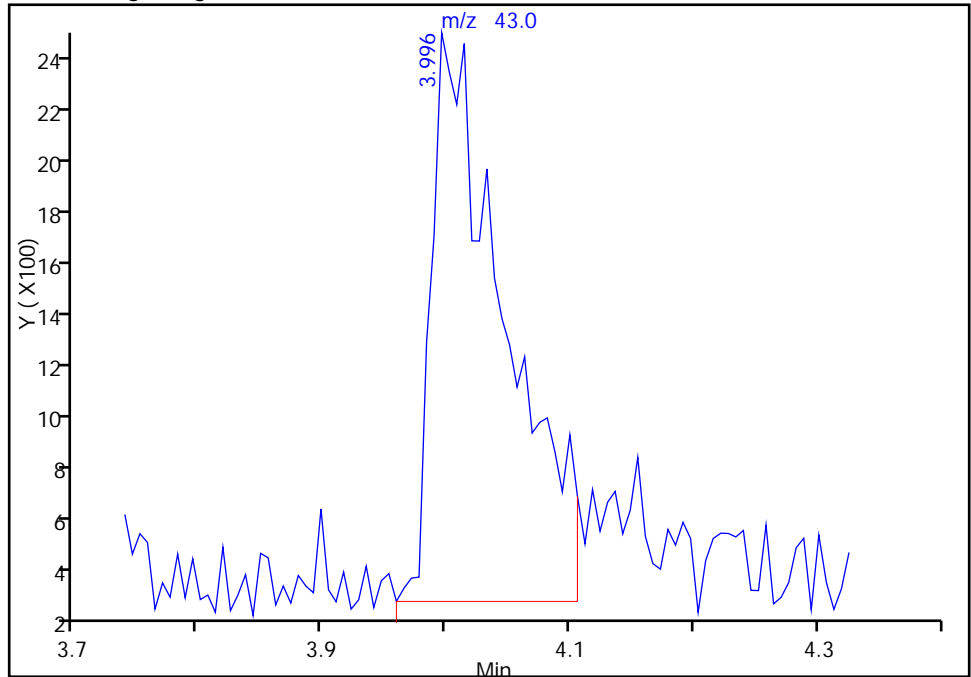
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
Injection Date: 13-Sep-2015 20:45:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: jg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

38 Vinyl acetate, CAS: 108-05-4

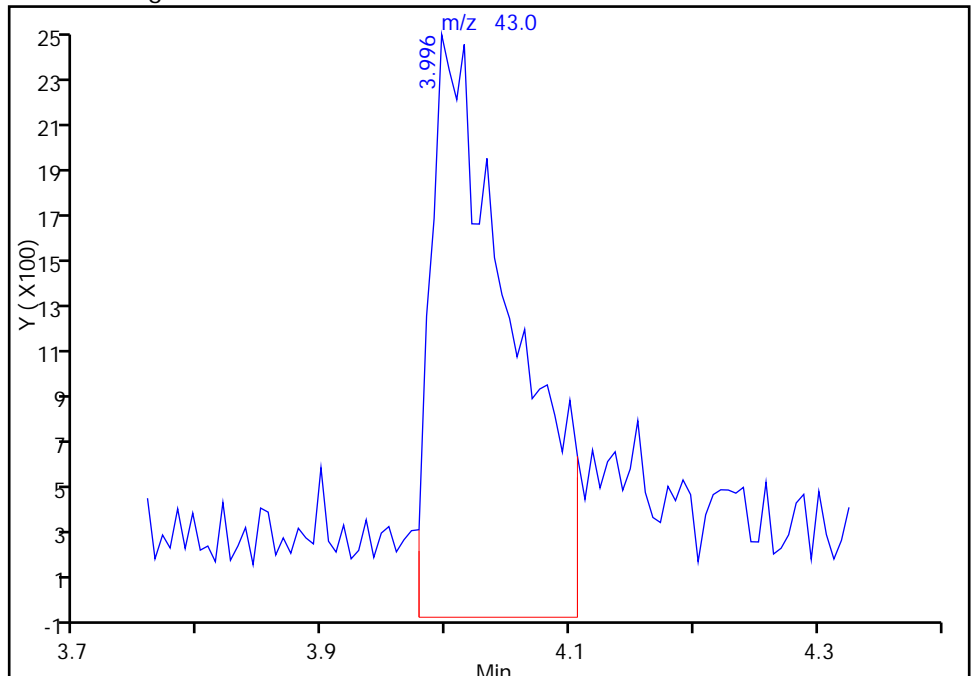
RT: 4.00
Area: 8824
Amount: 0.108774
Amount Units: ug/L

Processing Integration Results



RT: 4.00
Area: 10962
Amount: 0.854131
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:03:16
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

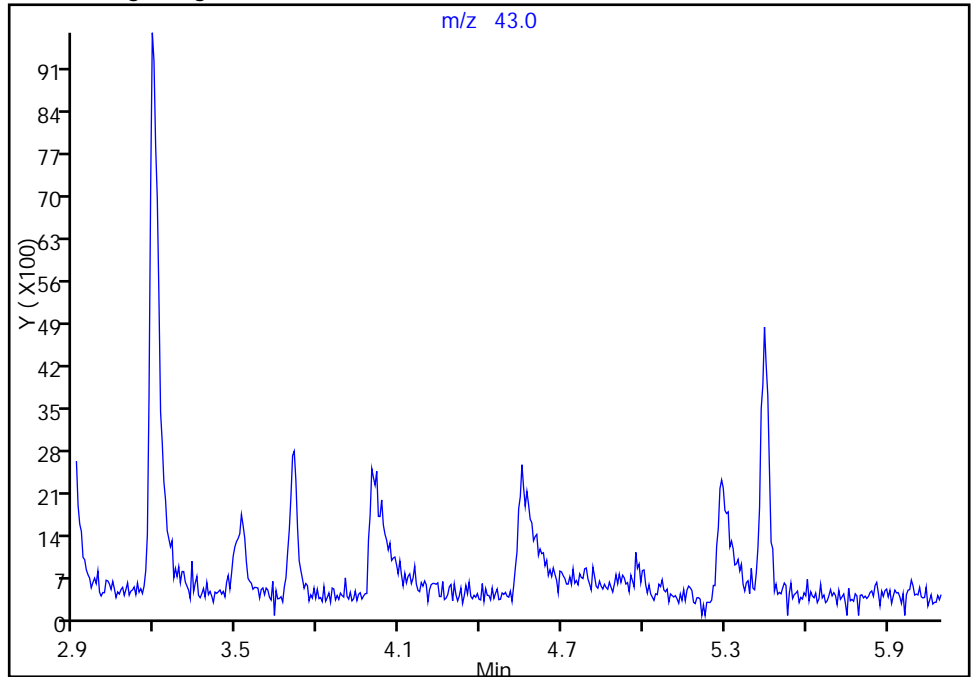
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
Injection Date: 13-Sep-2015 20:45:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: jg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

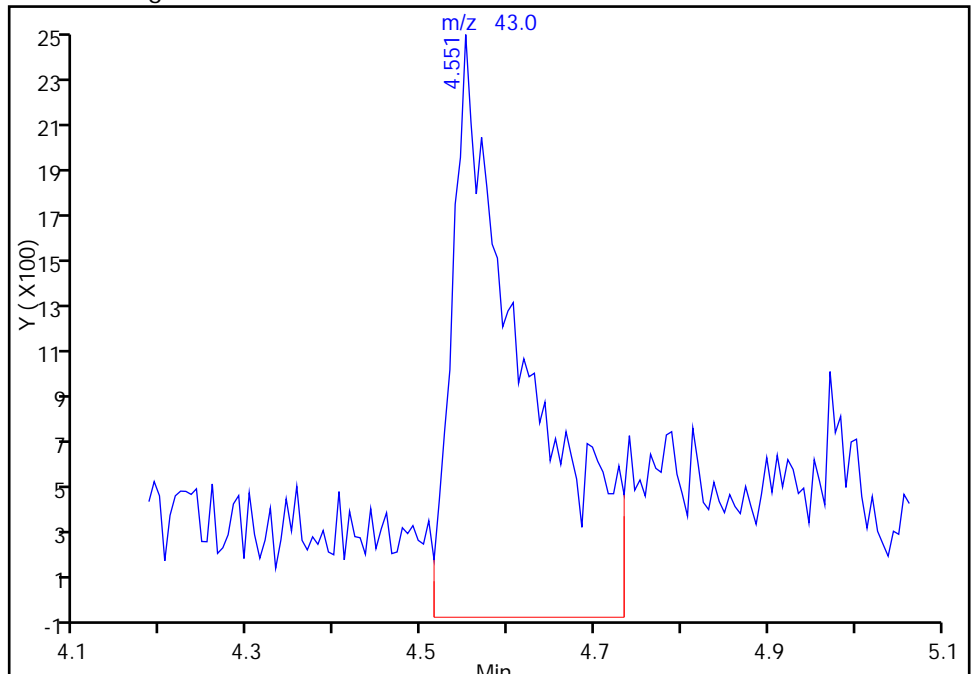
Not Detected
Expected RT: 4.50

Processing Integration Results



RT: 4.55
Area: 14361
Amount: 2.478348
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:03:16
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

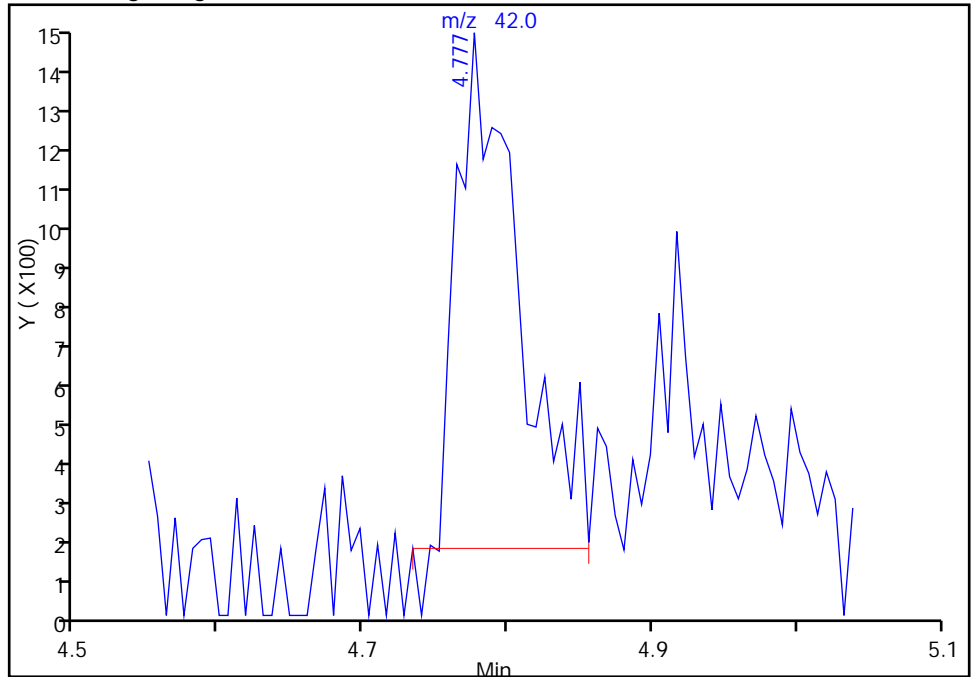
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
Injection Date: 13-Sep-2015 20:45:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: jg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

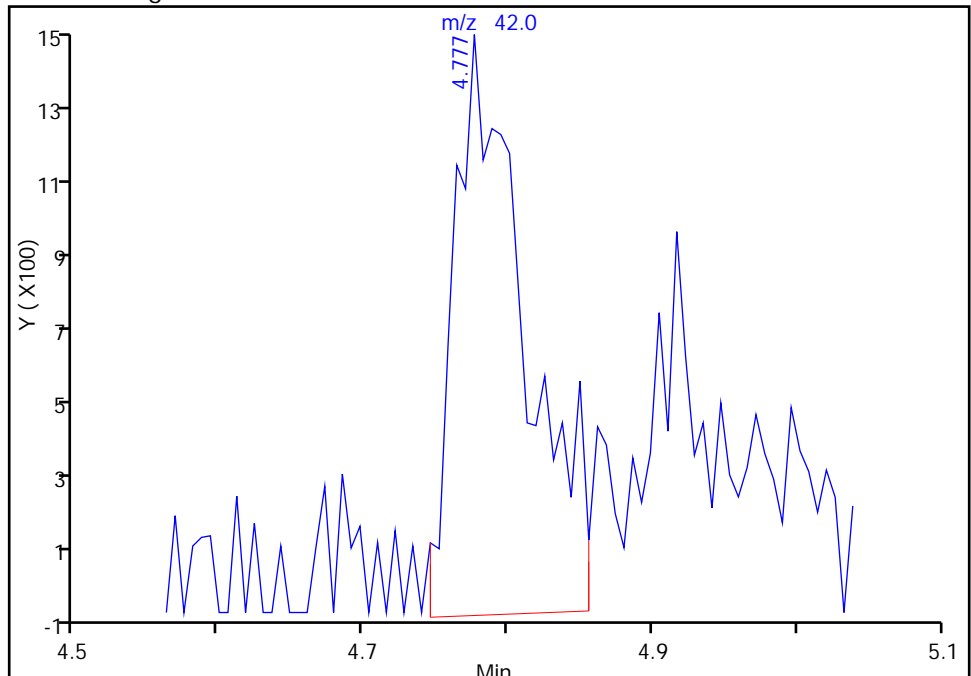
RT: 4.78
Area: 3803
Amount: 0.127497
Amount Units: ug/L

Processing Integration Results



RT: 4.78
Area: 5067
Amount: 1.102929
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:03:16
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

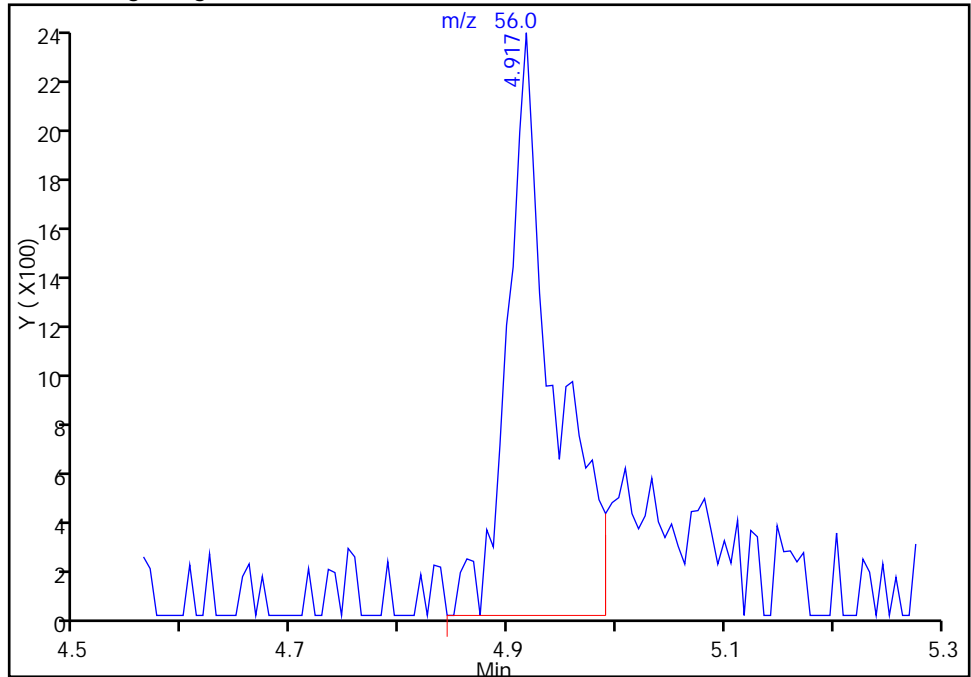
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
Injection Date: 13-Sep-2015 20:45:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: jg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

52 Cyclohexane, CAS: 110-82-7

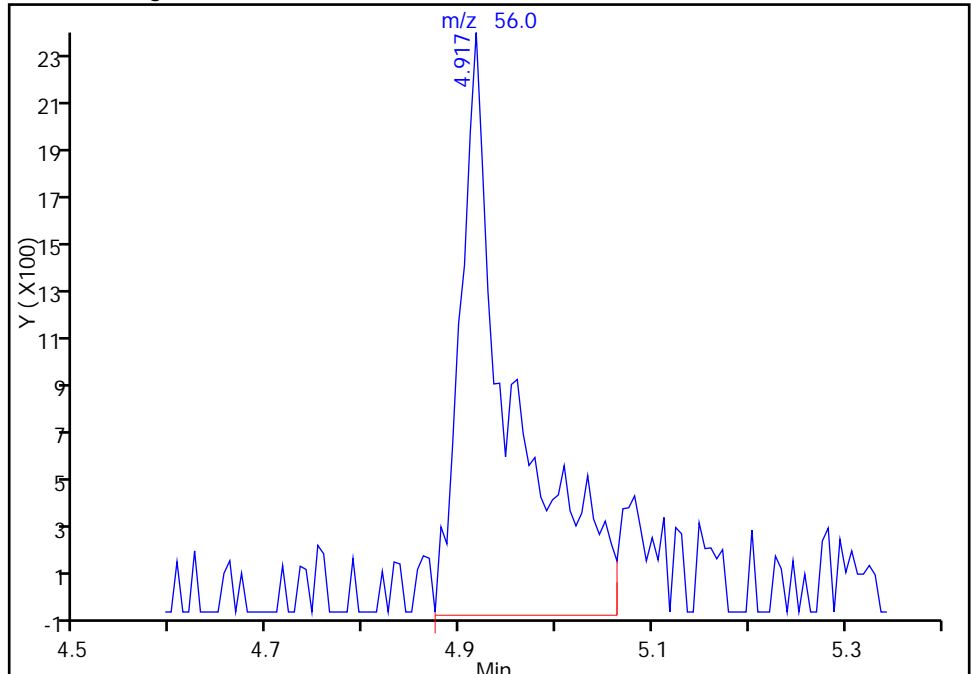
RT: 4.92
Area: 6964
Amount: 0.076516
Amount Units: ug/L

Processing Integration Results



RT: 4.92
Area: 8633
Amount: 0.523350
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:03:16
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

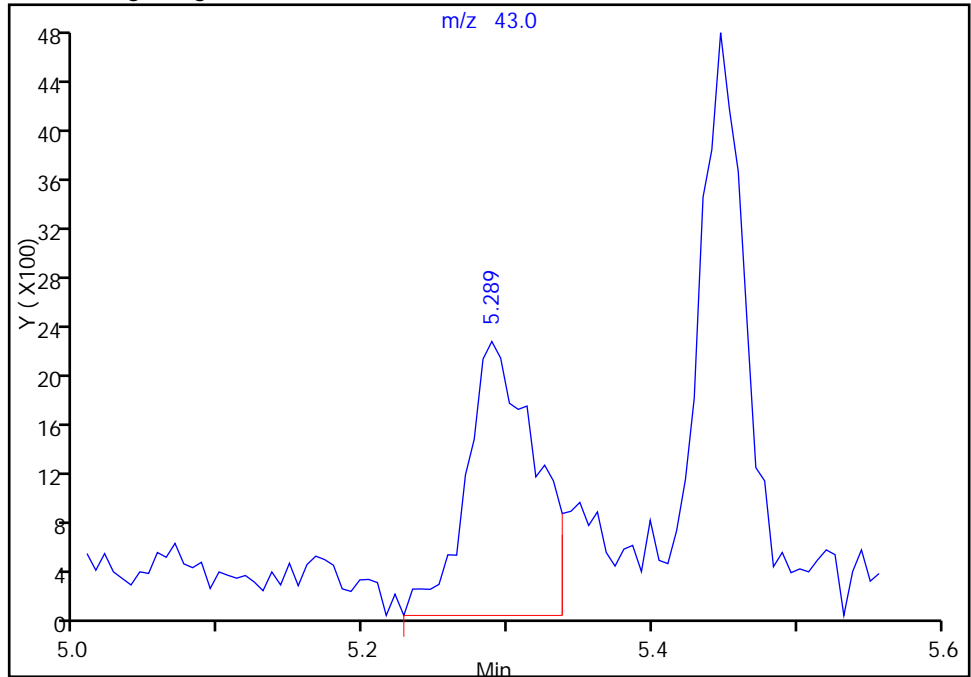
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
Injection Date: 13-Sep-2015 20:45:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: jg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

55 Isobutyl alcohol, CAS: 78-83-1

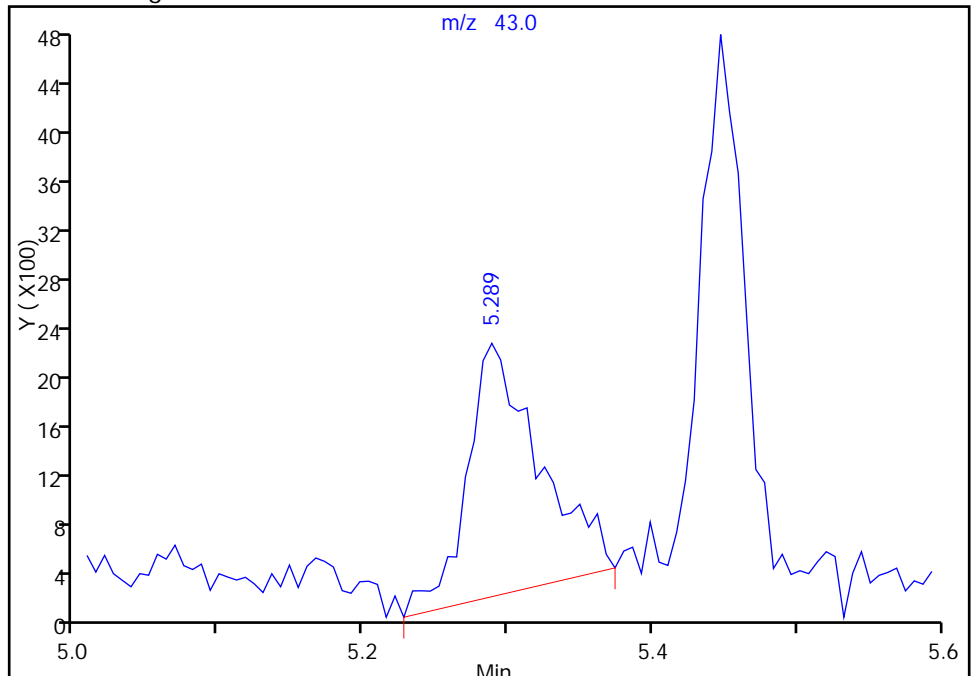
RT: 5.29
Area: 7433
Amount: 1.607265
Amount Units: ug/L

Processing Integration Results



RT: 5.29
Area: 7153
Amount: 9.557280
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:03:16
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

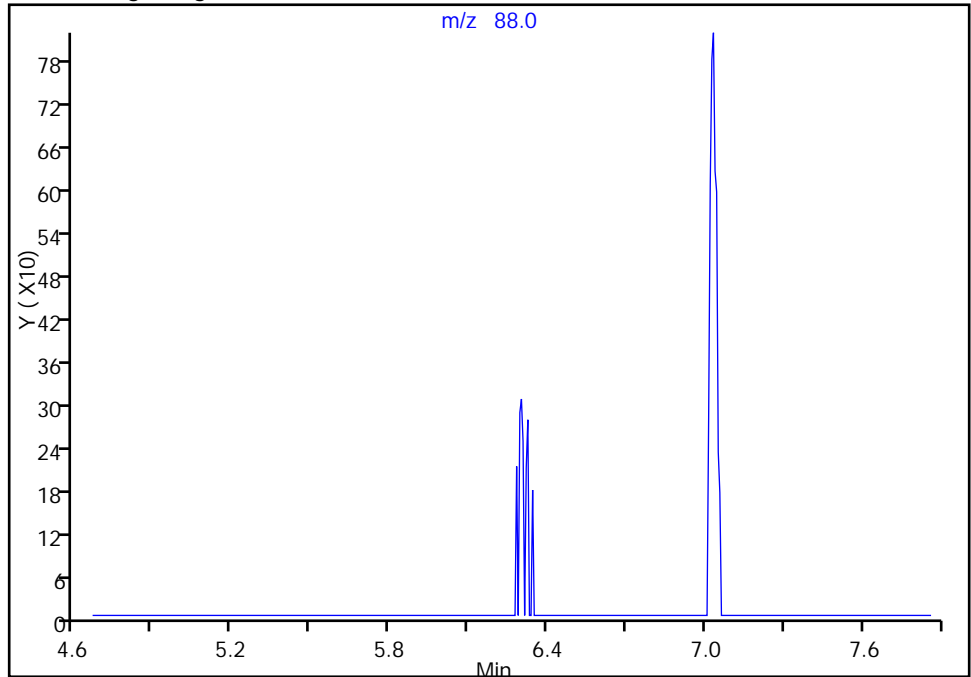
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
Injection Date: 13-Sep-2015 20:45:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: jg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

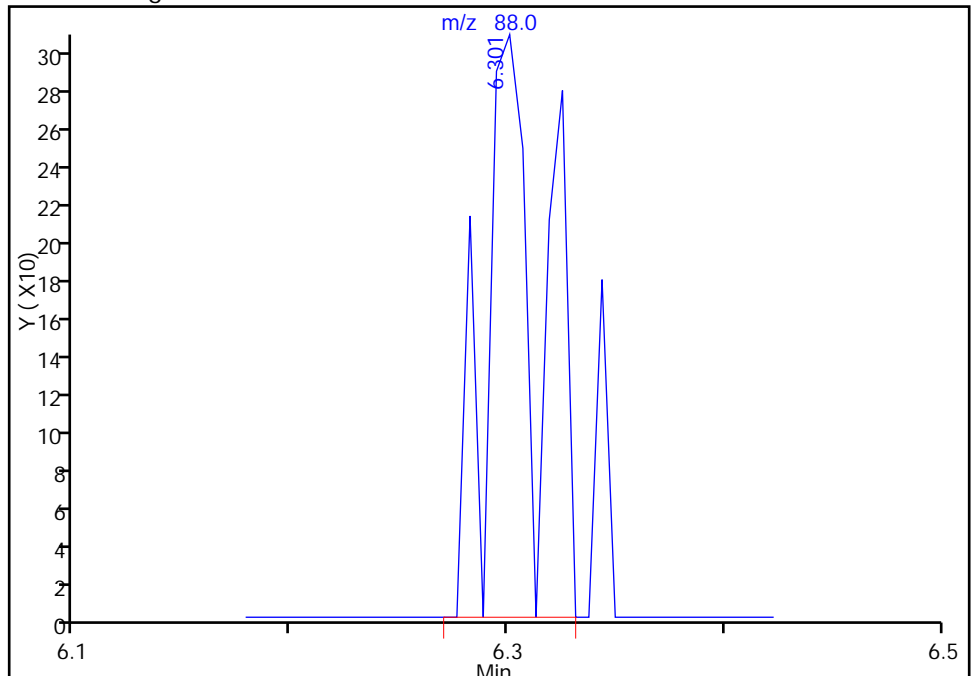
Not Detected
Expected RT: 6.26

Processing Integration Results



Manual Integration Results

RT: 6.30
Area: 554
Amount: 6.433157
Amount Units: ug/L



Reviewer: gentilej, 14-Sep-2015 09:03:16
Audit Action: Manually Integrated
Audit Reason: Missed Peak

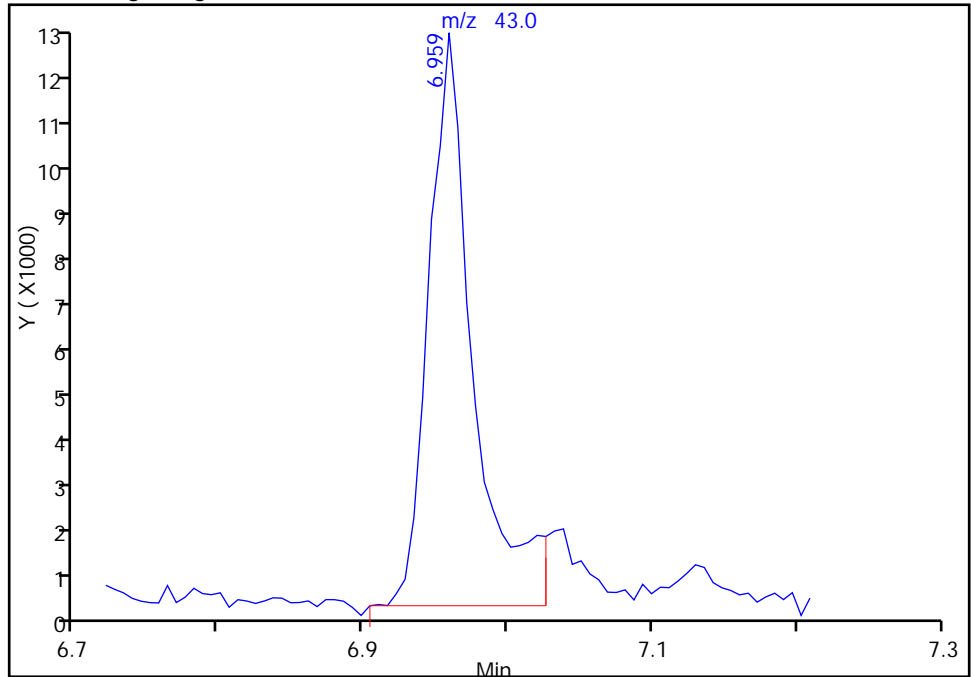
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
Injection Date: 13-Sep-2015 20:45:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: jg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

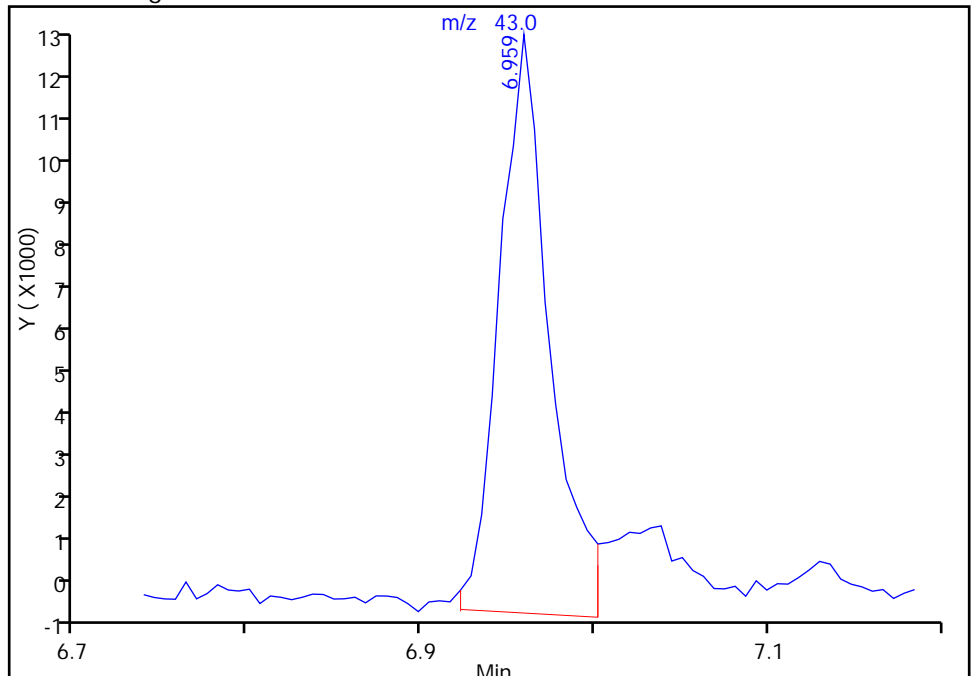
RT: 6.96
Area: 27044
Amount: 2.288380
Amount Units: ug/L

Processing Integration Results



RT: 6.96
Area: 26204
Amount: 2.186456
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:08:58
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

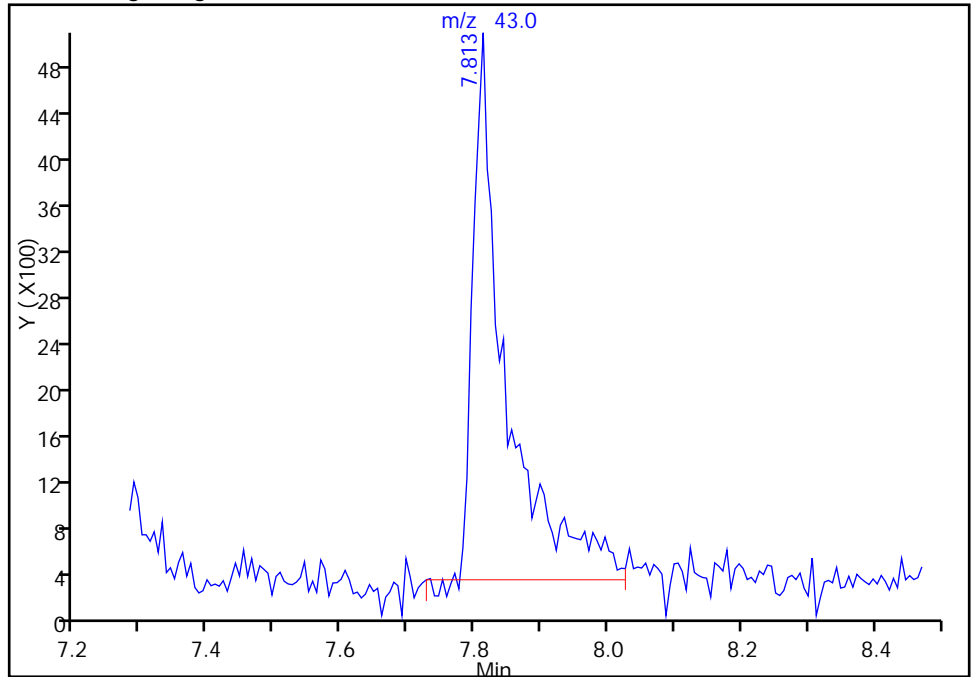
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42390.D
Injection Date: 13-Sep-2015 20:45:30 Instrument ID: HP5973G
Lims ID: IC 0.5
Client ID:
Operator ID: jg ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

82 2-Hexanone, CAS: 591-78-6

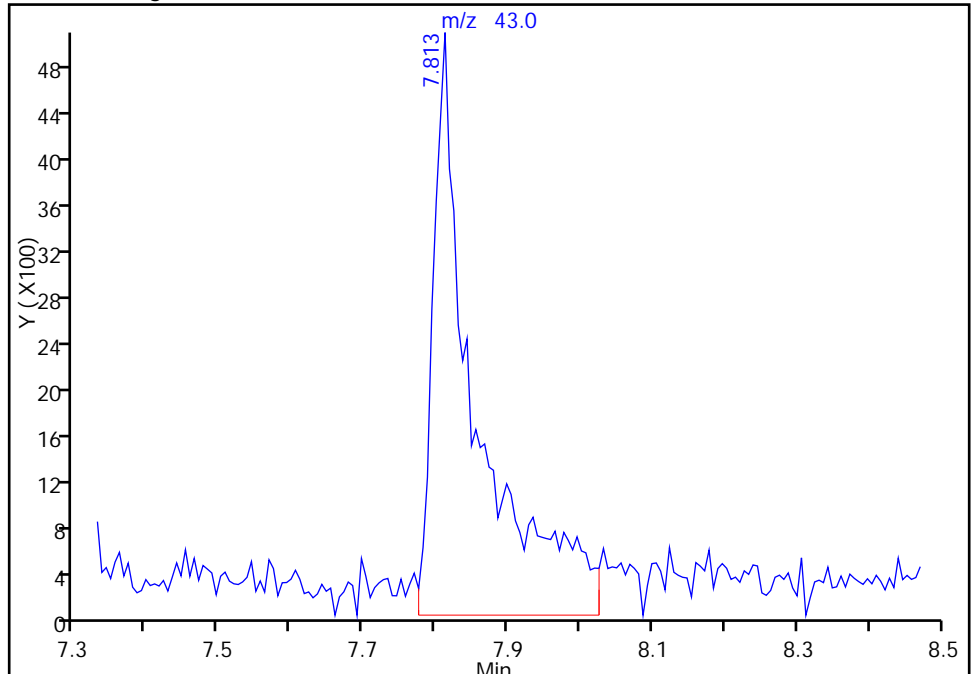
RT: 7.81
Area: 15932
Amount: 1.990087
Amount Units: ug/L

Processing Integration Results



RT: 7.81
Area: 20760
Amount: 2.506772
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:08:58
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42391.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 13-Sep-2015 21:07:30 ALS Bottle#: 7 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0046201-005
 Operator ID: jg Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Sep-2015 19:09:29 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: gentilej Date: 14-Sep-2015 09:18:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.514	0.006	99	100652	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	85	222217	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.897	0.000	95	263401	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.923	4.923	0.000	94	113054	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	73905	25.0	25.5	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	93	505179	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	9.763	9.763	0.000	90	173137	25.0	24.6	
10 Dichlorodifluoromethane	85	1.369	1.369	0.000	50	8712	1.00	1.16	M
12 Chloromethane	50	1.521	1.521	0.000	97	11460	1.00	1.08	
13 Vinyl chloride	62	1.643	1.643	0.000	96	8521	1.00	1.02	
144 Butadiene	54	1.668	1.661	0.007	96	11801	1.00	1.25	
14 Bromomethane	94	1.936	1.923	0.013	84	2866	1.00	1.17	M
15 Chloroethane	64	2.033	2.058	-0.025	24	3724	1.00	1.00	M
16 Dichlorofluoromethane	67	2.259	2.265	-0.006	95	9484	1.00	1.00	M
17 Trichlorofluoromethane	101	2.277	2.295	-0.018	34	8721	1.00	1.00	
18 Ethyl ether	59	2.551	2.551	0.000	94	6899	1.00	1.08	
19 Acrolein	56	2.716	2.716	0.000	96	3833	5.00	4.04	
21 1,1,2-Trichloro-1,2,2-trif	101	2.801	2.789	0.012	54	5249	1.00	0.8546	
20 1,1-Dichloroethene	96	2.814	2.801	0.013	96	8000	1.00	1.11	
22 Acetone	43	2.881	2.875	0.007	99	18237	5.00	5.25	
23 Iodomethane	142	2.972	2.960	0.012	79	12463	1.00	1.04	
24 Carbon disulfide	76	2.984	2.996	-0.012	99	19985	1.00	1.05	M
26 3-Chloro-1-propene	41	3.118	3.118	0.000	92	5218	1.00	1.06	
28 Methyl acetate	43	3.186	3.173	0.013	100	51581	5.00	5.26	M
29 Methylene Chloride	84	3.314	3.307	0.007	95	11915	1.00	0.8720	
30 2-Methyl-2-propanol	59	3.466	3.454	0.012	91	13571	10.0	9.19	
32 trans-1,2-Dichloroethene	96	3.490	3.496	-0.006	94	7433	1.00	1.12	
31 Methyl tert-butyl ether	73	3.509	3.502	0.007	96	20075	1.00	1.04	
33 Acrylonitrile	53	3.551	3.527	0.024	99	42851	10.0	10.2	M
34 Hexane	57	3.710	3.710	0.000	94	14341	1.00	1.20	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.905	3.905	0.000	95	11690	1.00	1.01	
38 Vinyl acetate	43	3.996	3.972	0.024	96	20737	2.00	1.67	
42 2,2-Dichloropropane	77	4.435	4.429	0.006	86	4597	1.00	1.09	
43 cis-1,2-Dichloroethene	96	4.472	4.460	0.012	80	6094	1.00	0.9655	
44 2-Butanone (MEK)	43	4.533	4.502	0.031	99	28336	5.00	5.07	M
48 Chlorobromomethane	128	4.697	4.691	0.006	92	3312	1.00	1.02	
49 Tetrahydrofuran	42	4.777	4.746	0.031	83	8840	2.00	1.99	
50 Chloroform	85	4.771	4.764	0.007	96	6777	1.00	1.06	
51 1,1,1-Trichloroethane	97	4.899	4.899	0.001	98	8255	1.00	1.07	
52 Cyclohexane	56	4.923	4.923	0.000	43	15604	1.00	0.9805	
53 Carbon tetrachloride	117	5.045	5.045	0.000	64	6727	1.00	0.9131	
54 1,1-Dichloropropene	75	5.057	5.051	0.006	91	8554	1.00	1.09	
56 Benzene	78	5.252	5.252	0.000	94	25296	1.00	1.06	
55 Isobutyl alcohol	43	5.283	5.264	0.019	94	14562	25.0	20.2	
57 1,2-Dichloroethane	62	5.307	5.301	0.006	94	8983	1.00	1.04	
59 n-Heptane	43	5.447	5.447	0.000	95	16965	1.00	1.16	
61 Trichloroethene	95	5.868	5.862	0.006	94	5904	1.00	1.00	
62 Methylcyclohexane	83	5.996	5.996	0.000	96	11838	1.00	1.02	
63 1,2-Dichloropropane	63	6.093	6.087	0.006	94	6682	1.00	0.99	
65 Dibromomethane	93	6.228	6.228	0.000	94	3760	1.00	1.05	
66 1,4-Dioxane	88	6.295	6.264	0.031	0	1219	20.0	14.3	M
67 Dichlorobromomethane	83	6.380	6.374	0.006	96	6627	1.00	0.9853	
70 2-Chloroethyl vinyl ether	63	6.679	6.660	0.019	91	4311	1.00	0.8524	
72 cis-1,3-Dichloropropene	75	6.807	6.801	0.006	94	8985	1.00	0.9344	
73 4-Methyl-2-pentanone (MIBK)	43	6.959	6.947	0.012	98	55913	5.00	4.70	
74 Toluene	92	7.099	7.099	0.000	98	16815	1.00	1.00	
76 trans-1,3-Dichloropropene	75	7.374	7.361	0.013	96	7514	1.00	0.8280	
78 Ethyl methacrylate	69	7.441	7.428	0.013	75	9208	1.00	0.9577	
79 1,1,2-Trichloroethane	83	7.551	7.550	0.000	91	4787	1.00	1.01	
80 Tetrachloroethene	166	7.642	7.642	0.000	97	7174	1.00	1.01	
81 1,3-Dichloropropane	76	7.715	7.709	0.006	94	10107	1.00	0.9592	
82 2-Hexanone	43	7.800	7.788	0.012	98	31258	5.00	3.80	
83 Chlorodibromomethane	129	7.947	7.947	0.000	92	5051	1.00	0.8276	
84 Ethylene Dibromide	107	8.057	8.050	0.006	95	5800	1.00	0.9125	
86 Chlorobenzene	112	8.544	8.544	0.000	93	19205	1.00	0.99	
88 1,1,1,2-Tetrachloroethane	131	8.642	8.636	0.006	44	6123	1.00	0.9387	
89 Ethylbenzene	91	8.642	8.642	0.000	97	30913	1.00	0.9785	
90 m-Xylene & p-Xylene	106	8.770	8.764	0.006	0	12966	1.00	0.9625	
91 o-Xylene	106	9.190	9.190	0.000	95	13384	1.00	1.00	
92 Styrene	104	9.221	9.215	0.006	96	20813	1.00	0.9513	
93 Bromoform	173	9.453	9.446	0.007	95	3410	1.00	0.8999	
95 Isopropylbenzene	105	9.575	9.574	0.000	95	33695	1.00	1.02	
97 Bromobenzene	156	9.916	9.910	0.006	96	7948	1.00	0.9361	
98 1,1,2,2-Tetrachloroethane	83	9.946	9.946	0.000	77	9082	1.00	0.9812	
99 1,2,3-Trichloropropane	110	9.977	9.977	0.000	88	3173	1.00	1.01	
100 trans-1,4-Dichloro-2-buten	53	9.995	9.995	0.000	60	3948	1.00	0.9581	
101 N-Propylbenzene	91	9.995	9.995	0.000	99	39167	1.00	1.02	
102 2-Chlorotoluene	126	10.099	10.099	0.000	90	8837	1.00	1.06	
104 1,3,5-Trimethylbenzene	105	10.178	10.178	0.000	95	29595	1.00	0.99	
105 4-Chlorotoluene	126	10.215	10.208	0.007	96	9071	1.00	1.03	
106 tert-Butylbenzene	134	10.495	10.489	0.006	92	7511	1.00	1.01	
107 1,2,4-Trimethylbenzene	105	10.550	10.544	0.006	97	30100	1.00	0.9621	

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	10.702	10.702	0.000	93	39849	1.00	1.02	
110 1,3-Dichlorobenzene	146	10.830	10.830	0.000	98	19103	1.00	1.05	
111 4-Isopropyltoluene	119	10.843	10.842	0.001	98	36893	1.00	1.05	
113 1,4-Dichlorobenzene	146	10.916	10.916	0.000	93	19119	1.00	0.9897	
115 n-Butylbenzene	91	11.227	11.227	0.000	96	28477	1.00	0.9528	
116 1,2-Dichlorobenzene	146	11.269	11.269	0.000	96	18393	1.00	1.00	
117 1,2-Dibromo-3-Chloropropan	75	11.989	11.982	0.007	82	1975	1.00	0.9040	
119 1,2,4-Trichlorobenzene	180	12.678	12.677	0.001	94	13940	1.00	1.00	
120 Hexachlorobutadiene	225	12.799	12.799	0.000	94	5681	1.00	1.02	
121 Naphthalene	128	12.885	12.885	0.000	97	41194	1.00	0.9303	
122 1,2,3-Trichlorobenzene	180	13.092	13.086	0.006	97	12325	1.00	0.9575	
S 125 1,2-Dichloroethene, Total	1				0			2.09	
S 126 1,3-Dichloropropene, Total	1				0			1.76	
S 123 Total BTEX	1				0			5.01	
S 124 Xylenes, Total	1				0			1.97	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00049

Amount Added: 1.00

Units: uL

GAS CORP mix_00107

Amount Added: 1.00

Units: uL

G_8260_Surr_00105

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00096

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42391.D

Injection Date: 13-Sep-2015 21:07:30

Instrument ID: HP5973G

Operator ID: jg

Lims ID: IC

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

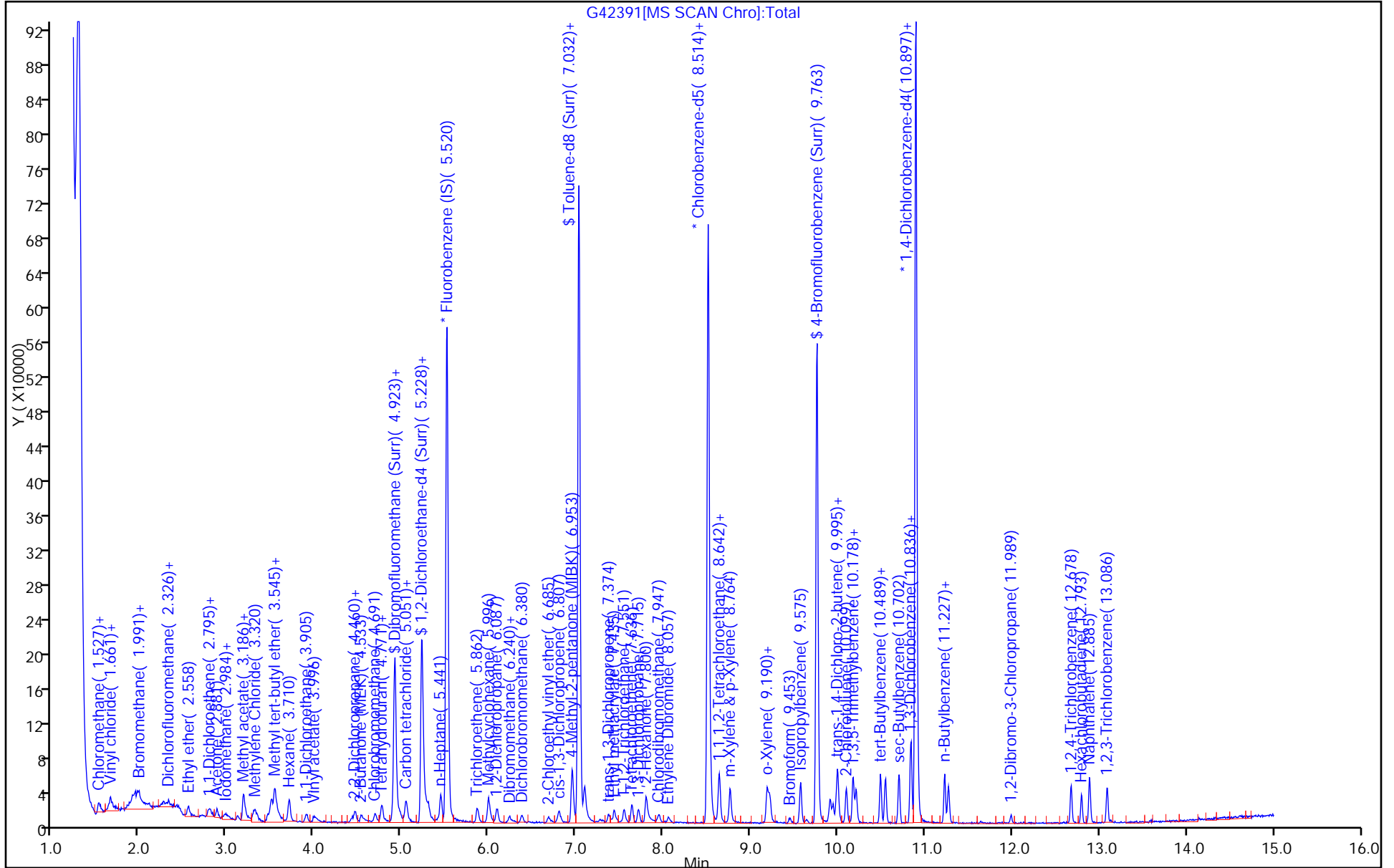
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



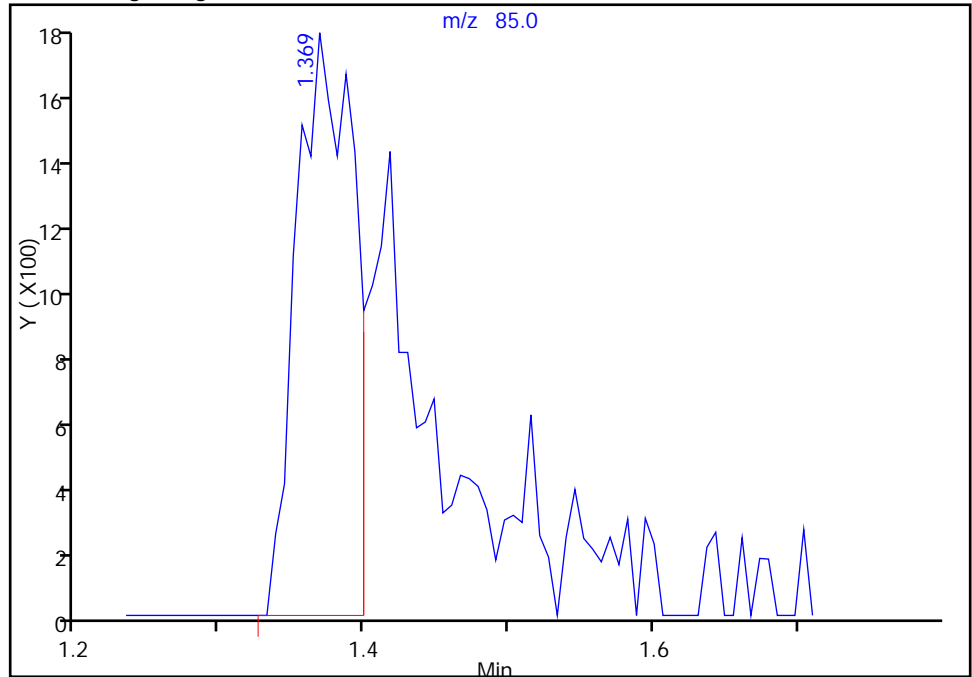
TestAmerica Buffalo

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Injection Date: 13-Sep-2015 21:07:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: jg ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

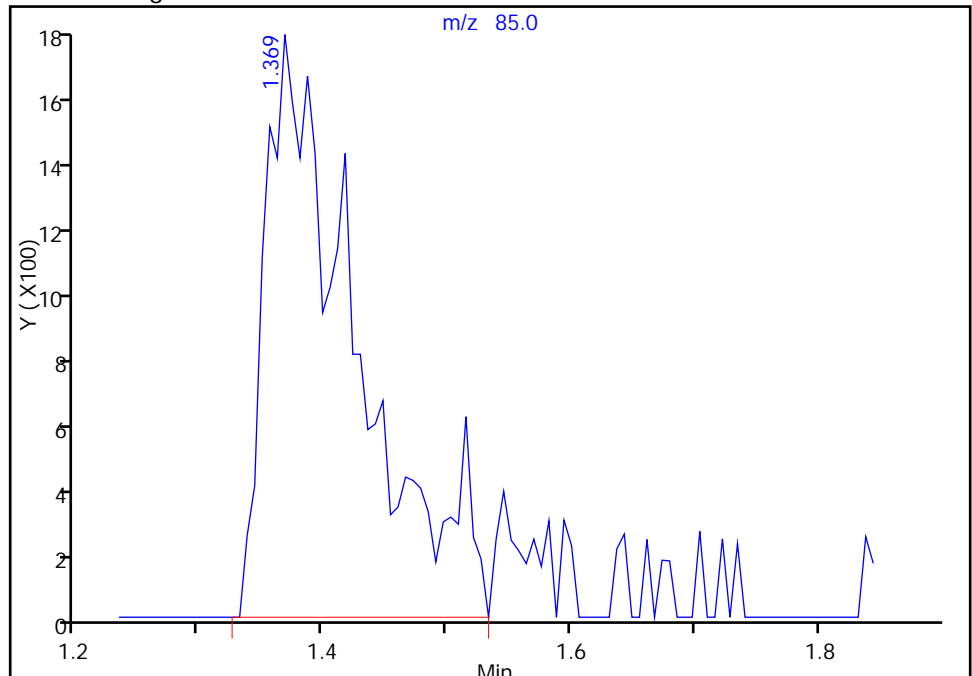
RT: 1.37
Area: 4731
Amount: 0.122561
Amount Units: ug/L

Processing Integration Results



RT: 1.37
Area: 8712
Amount: 1.157708
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:09:43
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

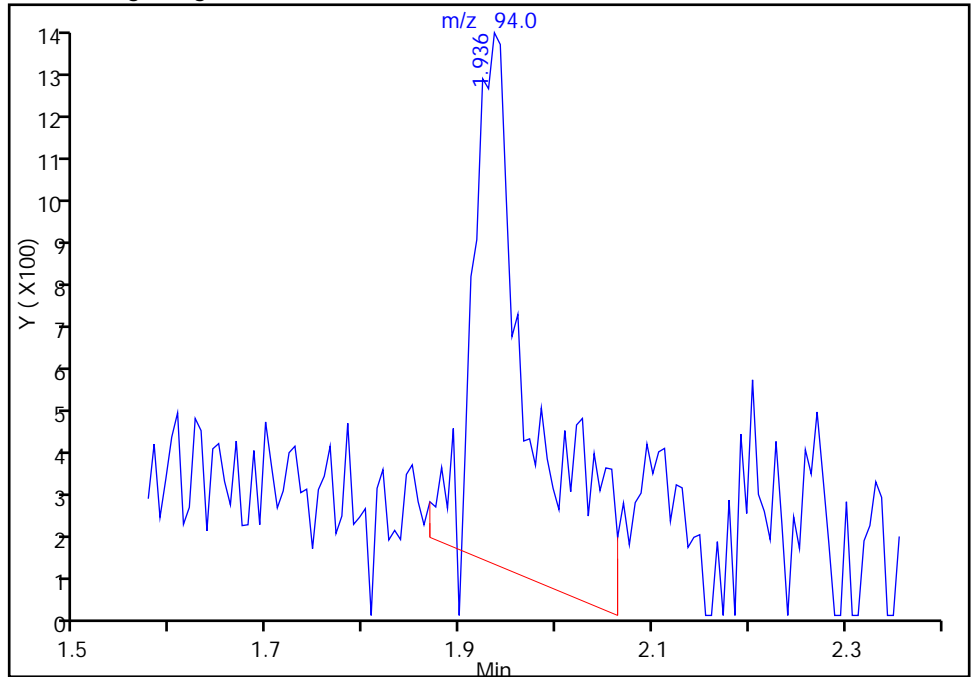
TestAmerica Buffalo

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Injection Date: 13-Sep-2015 21:07:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: jg ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

14 Bromomethane, CAS: 74-83-9

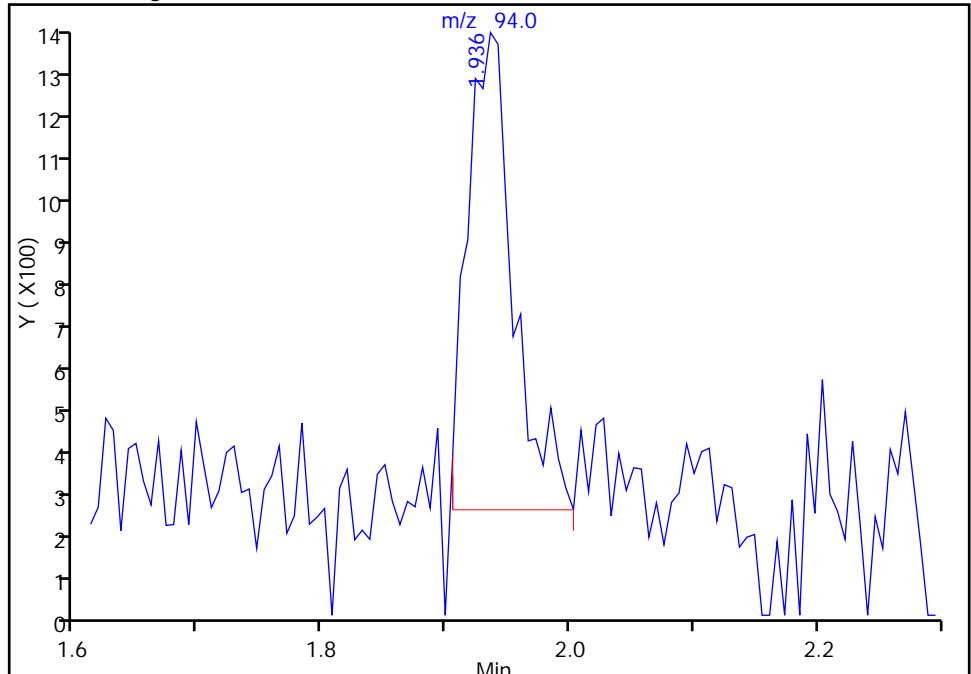
RT: 1.94
Area: 5076
Amount: 0.278726
Amount Units: ug/L

Processing Integration Results



RT: 1.94
Area: 2866
Amount: 1.165954
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 14-Sep-2015 16:32:09
Audit Action: Manually Integrated
Audit Reason: Baseline

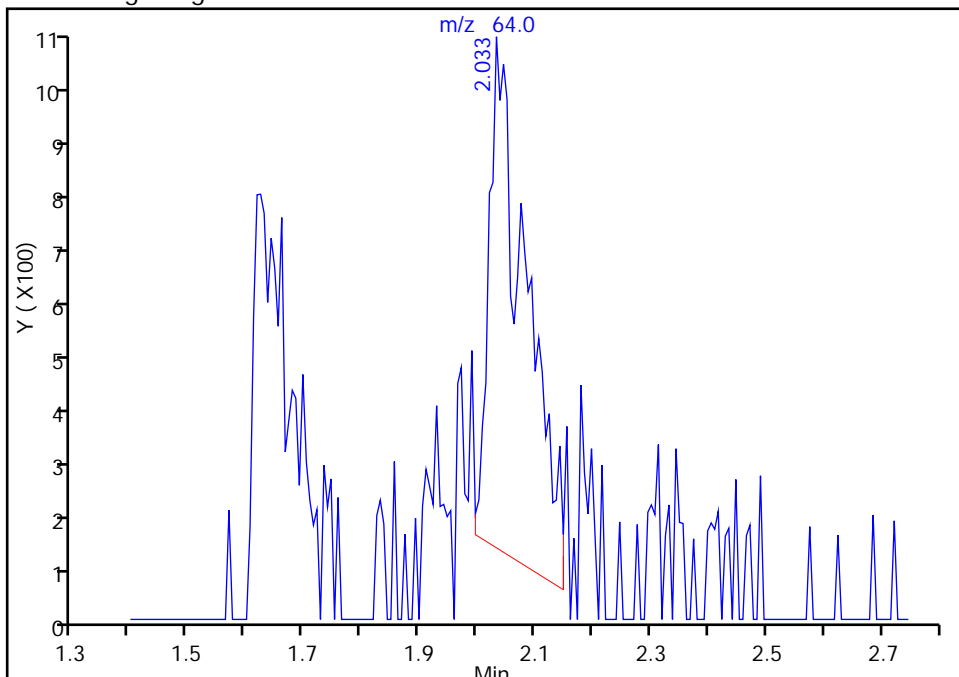
TestAmerica Buffalo

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Injection Date: 13-Sep-2015 21:07:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: jg ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

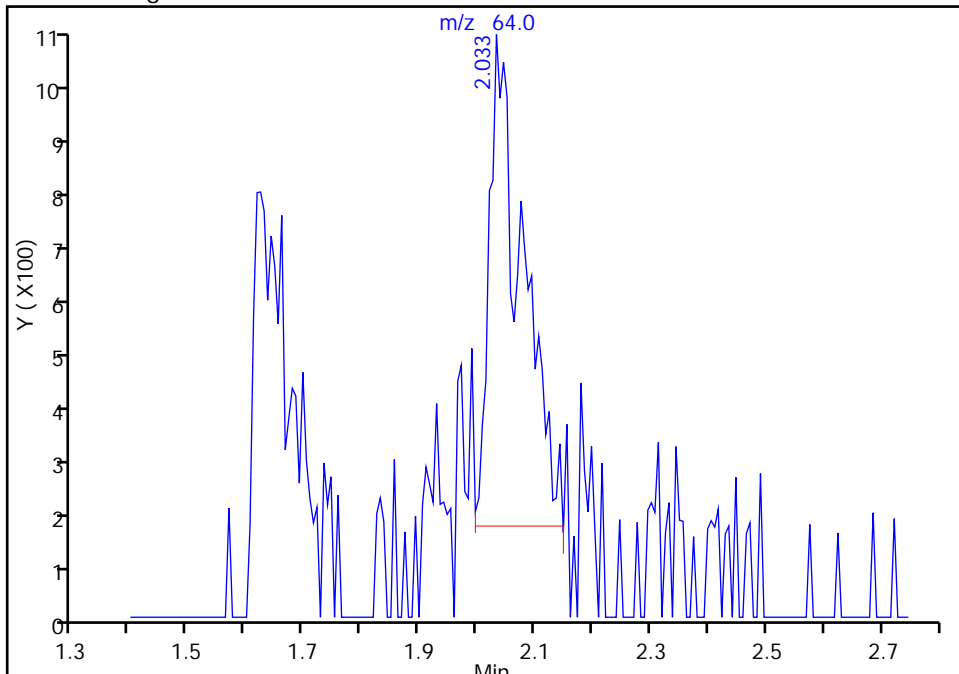
RT: 2.03
Area: 4333
Amount: 0.171719
Amount Units: ug/L

Processing Integration Results



RT: 2.03
Area: 3724
Amount: 1.003114
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 14-Sep-2015 16:32:09
Audit Action: Manually Integrated
Audit Reason: Baseline

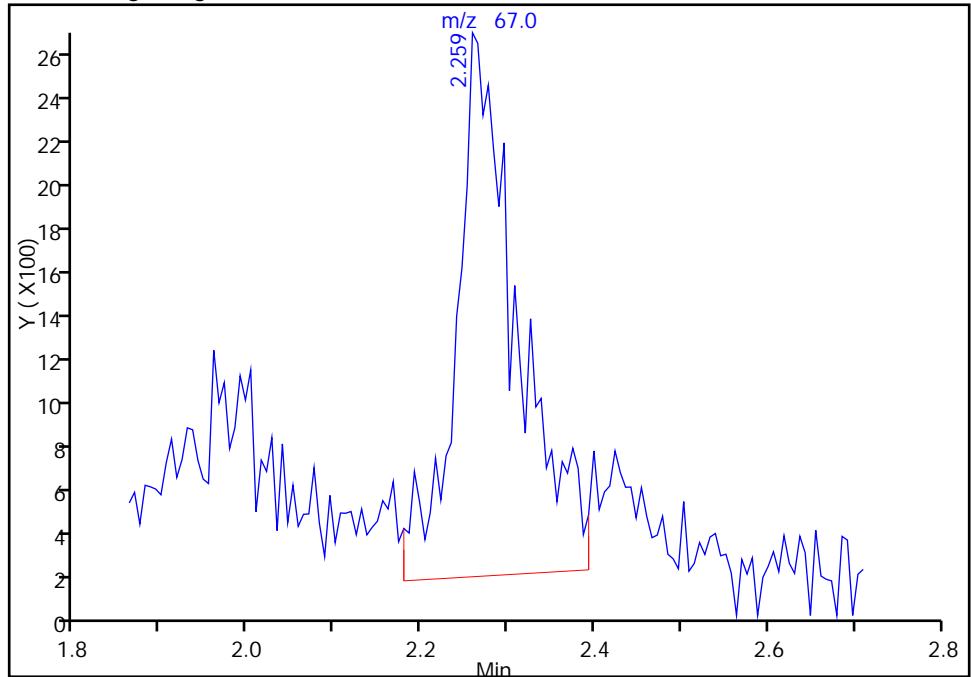
TestAmerica Buffalo

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Injection Date: 13-Sep-2015 21:07:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: jg ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

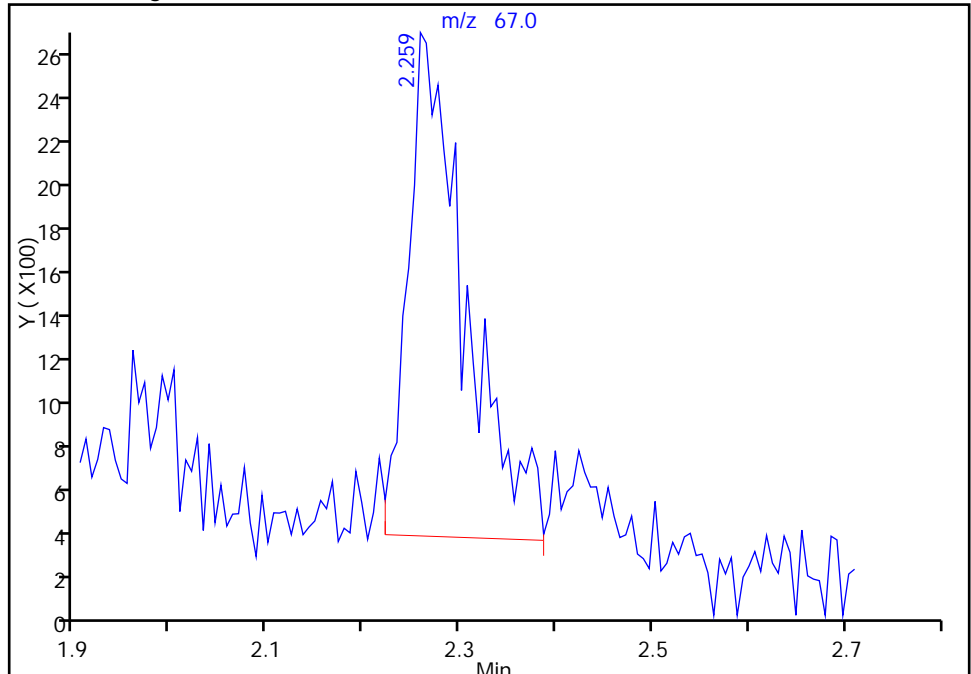
RT: 2.26
Area: 12136
Amount: 0.213894
Amount Units: ug/L

Processing Integration Results



RT: 2.26
Area: 9484
Amount: 0.996813
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 14-Sep-2015 16:32:09
Audit Action: Manually Integrated
Audit Reason: Baseline

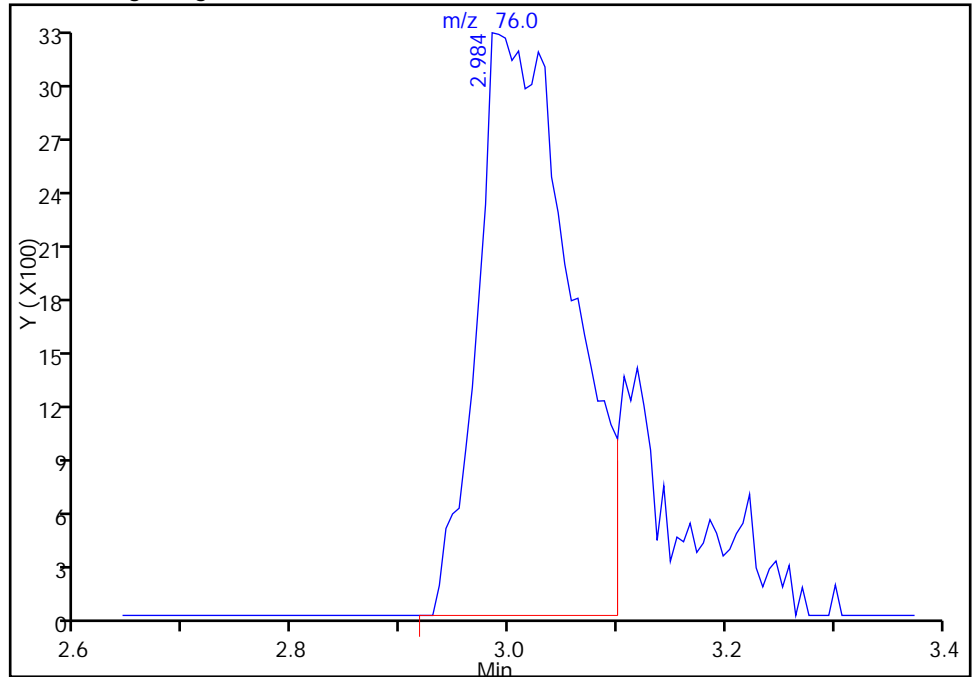
TestAmerica Buffalo

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Injection Date: 13-Sep-2015 21:07:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: jg ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

24 Carbon disulfide, CAS: 75-15-0

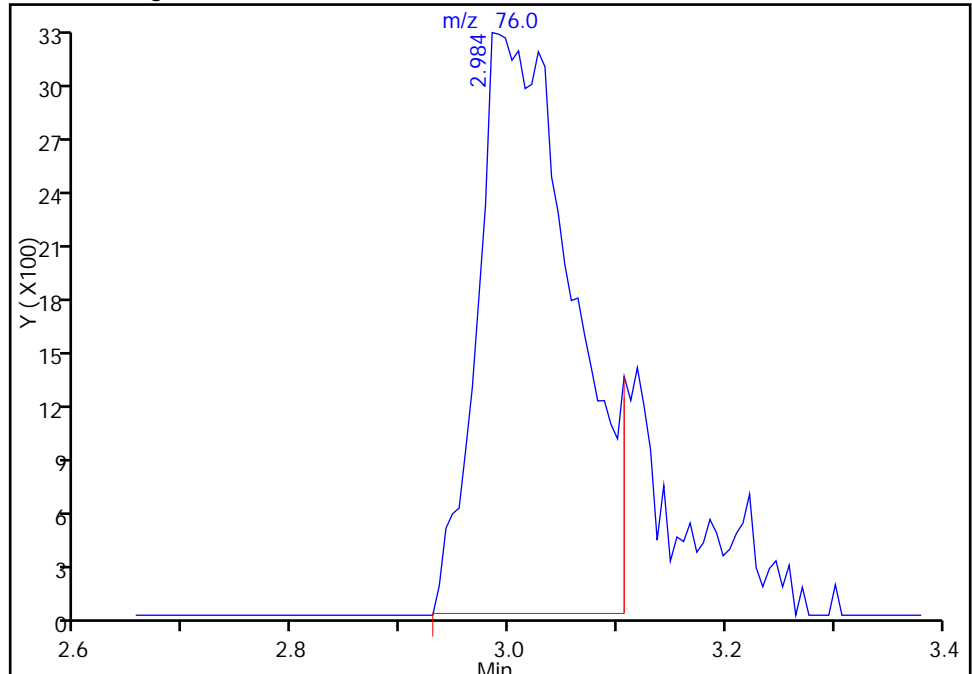
RT: 2.98
Area: 19607
Amount: 0.181141
Amount Units: ug/L

Processing Integration Results



RT: 2.98
Area: 19985
Amount: 1.054055
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:48:18
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

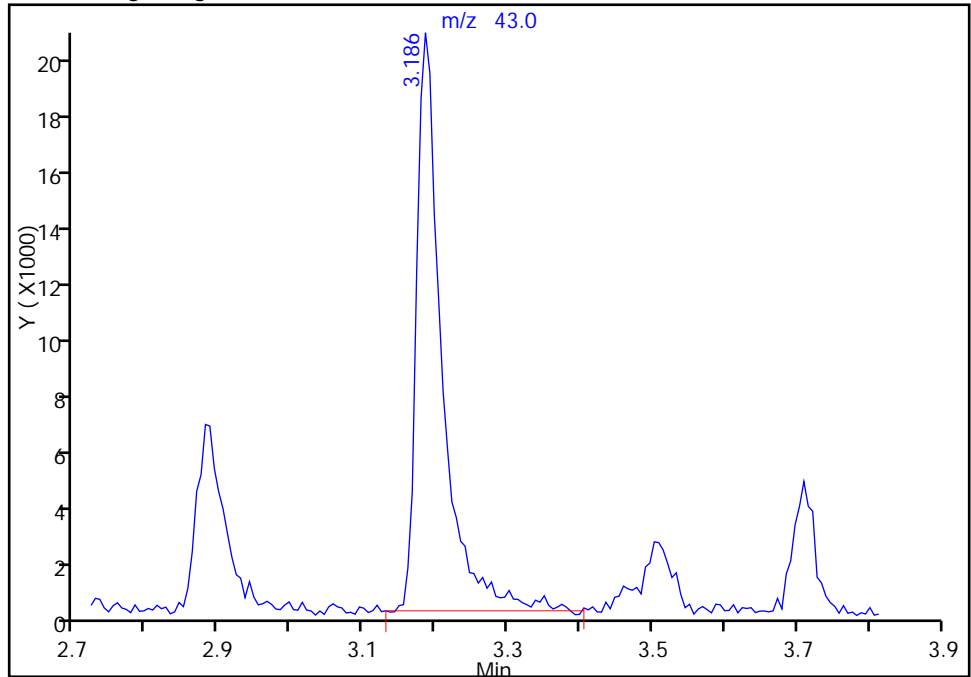
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42391.D
Injection Date: 13-Sep-2015 21:07:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: jg ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

28 Methyl acetate, CAS: 79-20-9

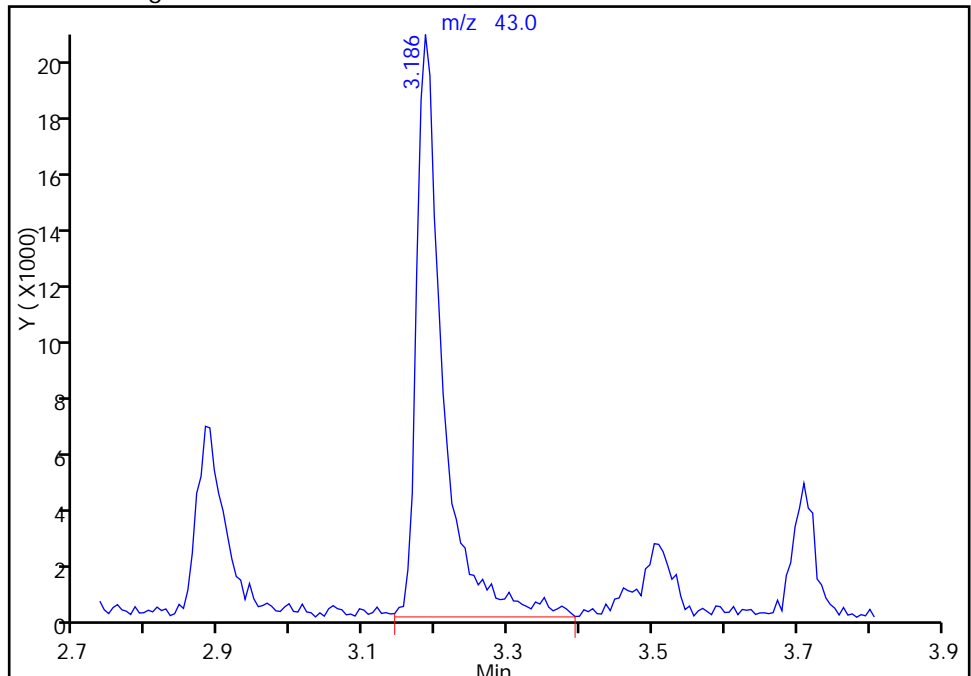
RT: 3.19
Area: 49281
Amount: 5.054540
Amount Units: ug/L

Processing Integration Results



RT: 3.19
Area: 51581
Amount: 5.255022
Amount Units: ug/L

Manual Integration Results



Reviewer: o'briens, 14-Sep-2015 19:09:28
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

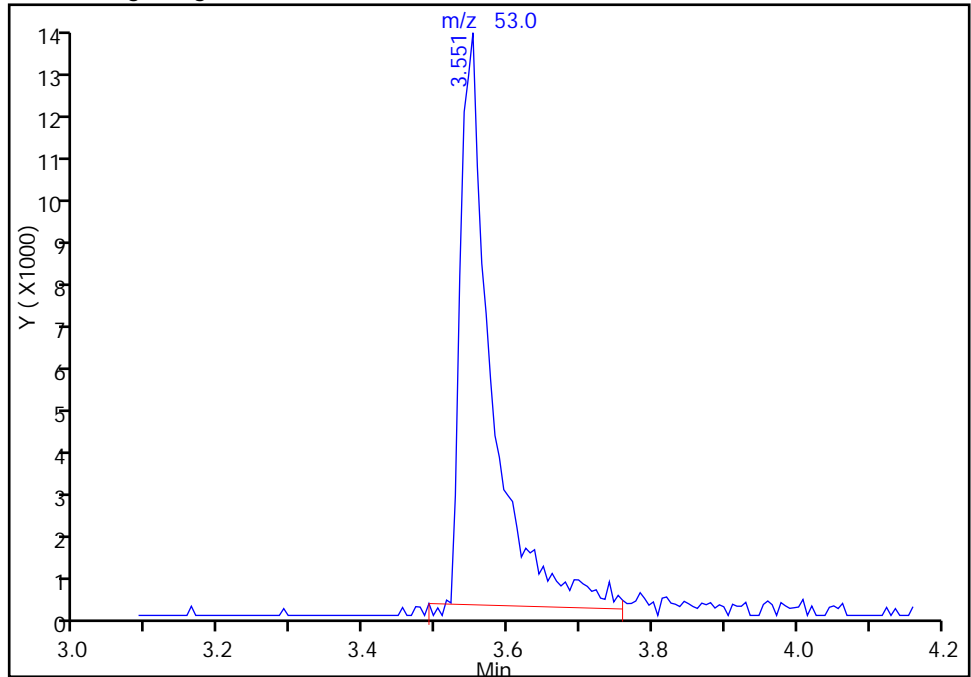
TestAmerica Buffalo

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Injection Date: 13-Sep-2015 21:07:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: jg ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

33 Acrylonitrile, CAS: 107-13-1

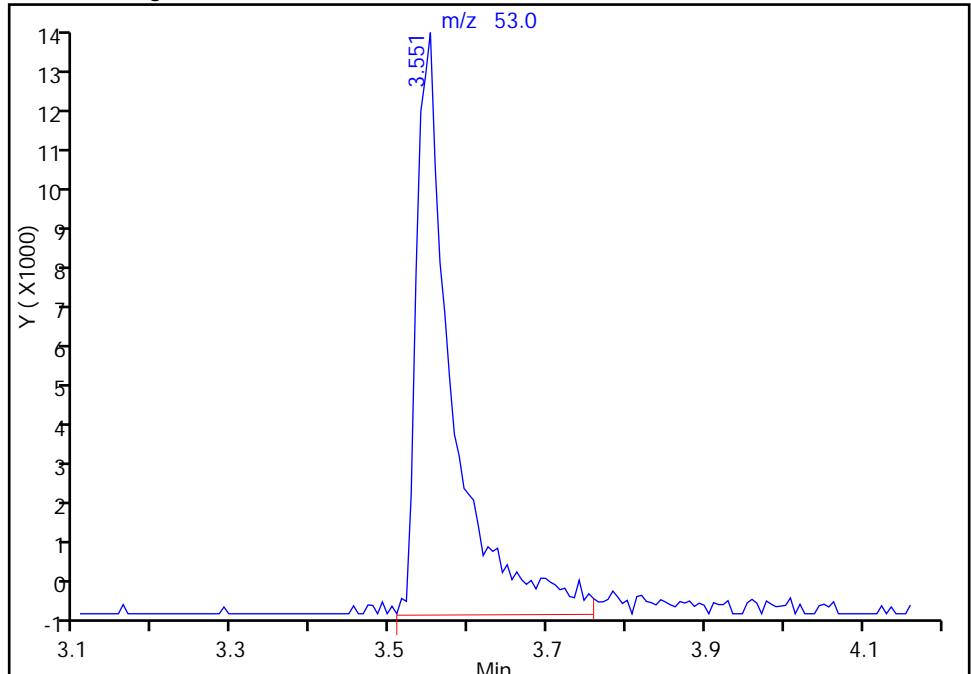
RT: 3.55
Area: 39198
Amount: 9.458769
Amount Units: ug/L

Processing Integration Results



RT: 3.55
Area: 42851
Amount: 10.211671
Amount Units: ug/L

Manual Integration Results



Reviewer: o'briens, 14-Sep-2015 19:09:28
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

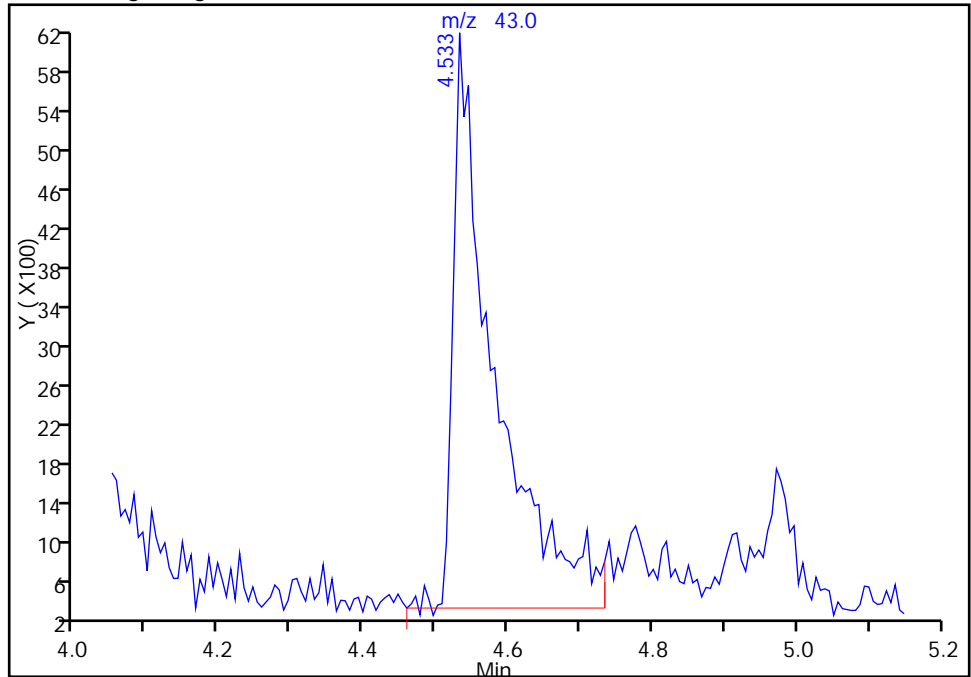
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42391.D
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Lims ID: IC
Client ID:
Operator ID: jg ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

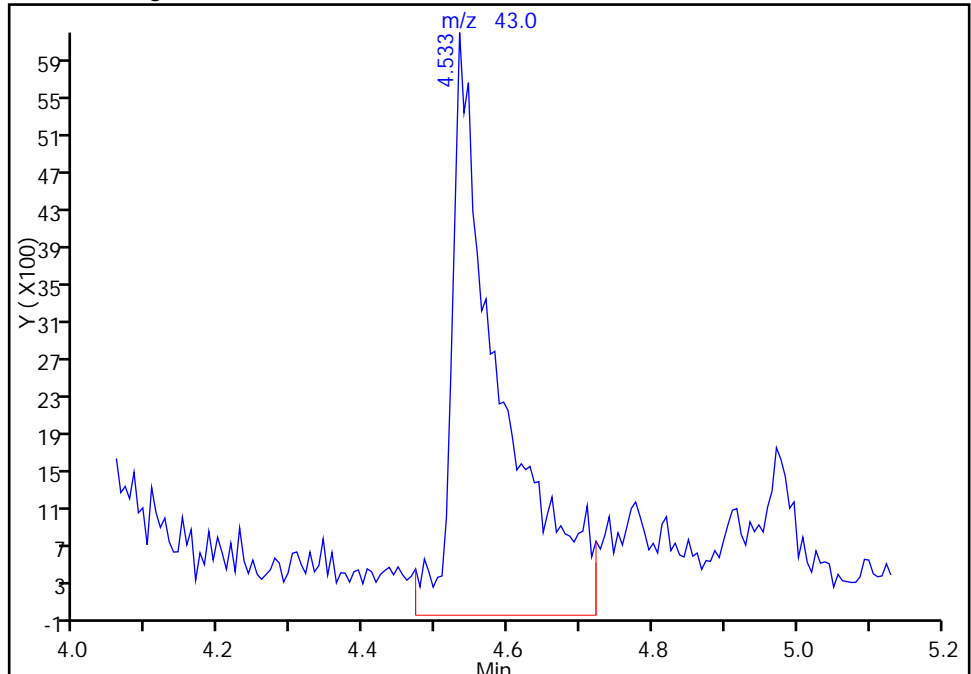
RT: 4.53
Area: 22960
Amount: 0.697732
Amount Units: ug/L

Processing Integration Results



RT: 4.53
Area: 28336
Amount: 5.068482
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:17:21
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

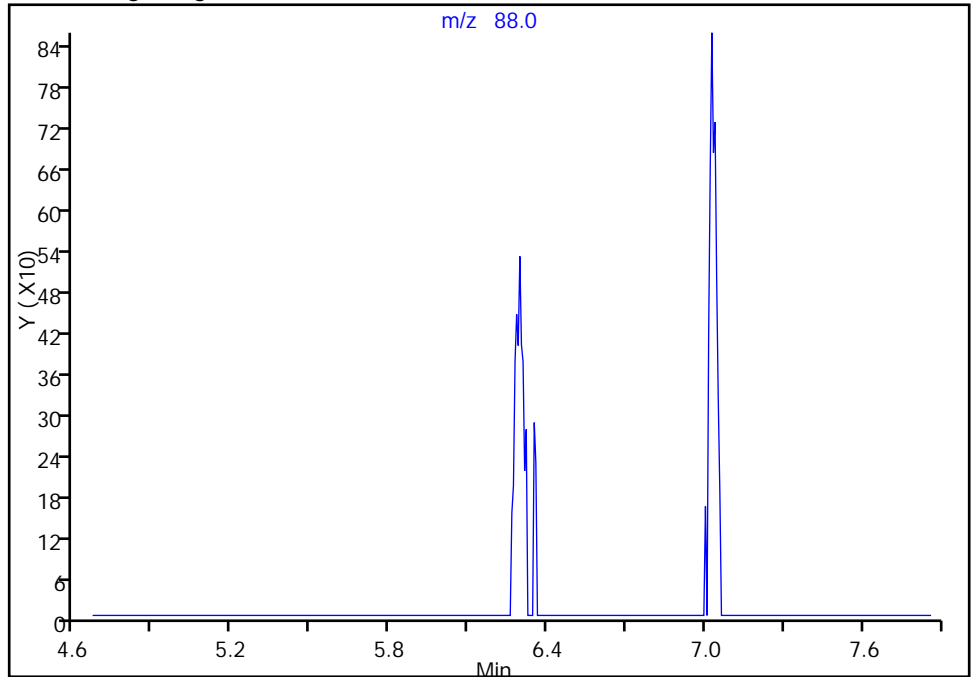
TestAmerica Buffalo

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Injection Date: 13-Sep-2015 21:07:30 Instrument ID: HP5973G
Lims ID: IC
Client ID:
Operator ID: jg ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

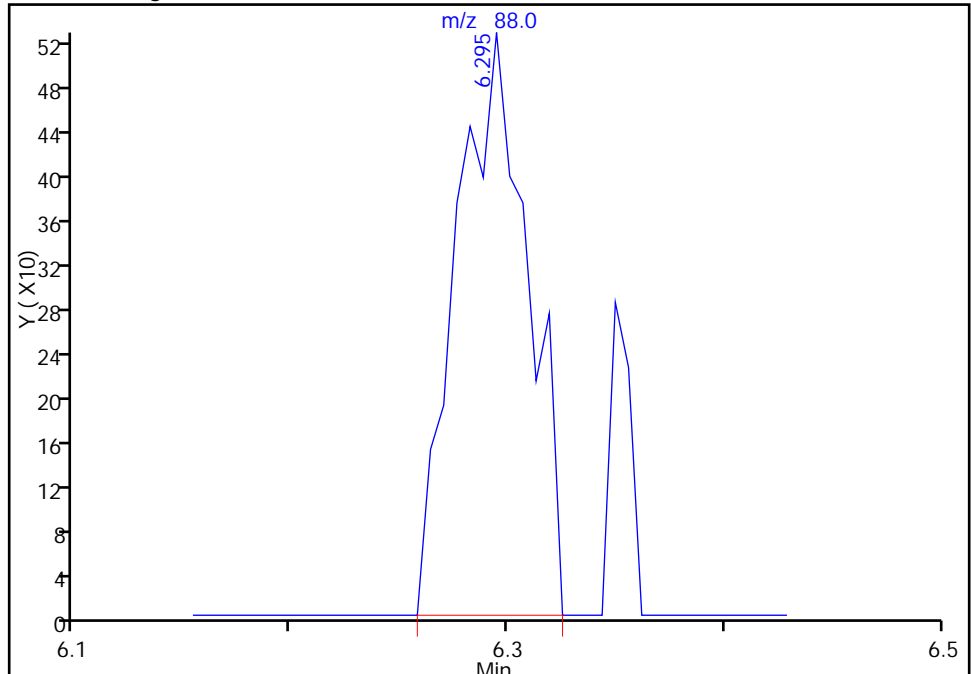
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Expected RT: 6.26

Processing Integration Results



RT: 6.29
Area: 1219
Amount: 14.256169
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:17:21
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42392.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 13-Sep-2015 21:30:30 ALS Bottle#: 8 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0046201-006
 Operator ID: jg Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Sep-2015 19:11:24 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: gentilej

Date: 14-Sep-2015 09:20:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.514	0.006	93	104942	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	83	221538	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.897	0.000	89	267464	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.917	4.923	-0.006	83	115624	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	74837	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	90	507525	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.763	9.763	0.000	89	177946	25.0	25.3	
10 Dichlorodifluoromethane	85	1.369	1.369	0.000	77	37511	5.00	4.78	
12 Chloromethane	50	1.521	1.521	0.000	89	54039	5.00	4.89	M
13 Vinyl chloride	62	1.637	1.643	-0.006	78	43817	5.00	5.01	
144 Butadiene	54	1.661	1.661	0.000	87	46523	5.00	4.74	
14 Bromomethane	94	1.930	1.923	0.007	89	11462	5.00	4.47	M
15 Chloroethane	64	2.076	2.058	0.018	52	18133	5.00	4.68	M
16 Dichlorofluoromethane	67	2.265	2.265	0.000	94	50834	5.00	5.12	
17 Trichlorofluoromethane	101	2.301	2.295	0.006	68	44884	5.00	4.95	
18 Ethyl ether	59	2.551	2.551	0.000	96	32526	5.00	4.88	
19 Acrolein	56	2.710	2.716	-0.006	89	23559	25.0	23.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.789	2.789	0.000	49	28960	5.00	4.52	
20 1,1-Dichloroethene	96	2.801	2.801	0.000	95	37042	5.00	4.92	
22 Acetone	43	2.881	2.875	0.007	98	84048	25.0	23.2	
23 Iodomethane	142	2.960	2.960	0.000	95	62007	5.00	4.98	
24 Carbon disulfide	76	3.009	2.996	0.013	97	95363	5.00	4.82	M
26 3-Chloro-1-propene	41	3.118	3.118	0.000	63	26149	5.00	5.11	
28 Methyl acetate	43	3.179	3.173	0.006	98	259056	25.0	25.3	
29 Methylene Chloride	84	3.307	3.307	0.000	84	39587	5.00	4.74	
30 2-Methyl-2-propanol	59	3.460	3.454	0.006	99	77918	50.0	50.6	
32 trans-1,2-Dichloroethene	96	3.496	3.496	0.000	56	34757	5.00	5.04	M
31 Methyl tert-butyl ether	73	3.509	3.502	0.007	97	102897	5.00	5.11	
33 Acrylonitrile	53	3.533	3.527	0.006	99	224779	50.0	51.4	
34 Hexane	57	3.710	3.710	0.000	93	58395	5.00	4.69	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.905	3.905	0.000	81	59336	5.00	4.90	
38 Vinyl acetate	43	3.978	3.972	0.006	96	122142	10.0	9.46	
42 2,2-Dichloropropane	77	4.435	4.429	0.006	91	21426	5.00	4.87	
43 cis-1,2-Dichloroethene	96	4.466	4.460	0.006	67	32703	5.00	4.97	
44 2-Butanone (MEK)	43	4.514	4.502	0.012	96	138805	25.0	23.8	
48 Chlorobromomethane	128	4.697	4.691	0.006	86	16848	5.00	5.00	
49 Tetrahydrofuran	42	4.758	4.746	0.012	98	46095	10.0	9.97	
50 Chloroform	85	4.764	4.764	0.000	71	32521	5.00	4.86	
51 1,1,1-Trichloroethane	97	4.899	4.899	0.001	90	39694	5.00	4.95	
52 Cyclohexane	56	4.917	4.923	-0.006	54	80993	5.00	4.88	
53 Carbon tetrachloride	117	5.045	5.045	0.000	54	36619	5.00	4.77	
54 1,1-Dichloropropene	75	5.051	5.051	0.000	86	39689	5.00	4.87	
56 Benzene	78	5.252	5.252	0.000	94	125686	5.00	5.04	
55 Isobutyl alcohol	43	5.270	5.264	0.006	93	89612	125.0	119.0	
57 1,2-Dichloroethane	62	5.301	5.301	0.000	55	44973	5.00	5.01	
59 n-Heptane	43	5.447	5.447	0.000	94	76385	5.00	5.00	
61 Trichloroethene	95	5.868	5.862	0.006	89	30631	5.00	4.99	
62 Methylcyclohexane	83	6.002	5.996	0.006	95	57274	5.00	4.73	
63 1,2-Dichloropropane	63	6.093	6.087	0.006	91	35232	5.00	5.01	
65 Dibromomethane	93	6.234	6.228	0.006	88	18117	5.00	4.86	
66 1,4-Dioxane	88	6.270	6.264	0.006	89	8837	100.0	103.7	
67 Dichlorobromomethane	83	6.374	6.374	0.000	95	34219	5.00	4.88	
70 2-Chloroethyl vinyl ether	63	6.673	6.660	0.013	87	24388	5.00	4.62	
72 cis-1,3-Dichloropropene	75	6.801	6.801	0.000	84	50503	5.00	5.04	
73 4-Methyl-2-pentanone (MIBK)	43	6.947	6.947	0.000	98	310133	25.0	26.1	
74 Toluene	92	7.099	7.099	0.000	84	84724	5.00	5.07	
76 trans-1,3-Dichloropropene	75	7.368	7.361	0.007	89	46308	5.00	5.12	
78 Ethyl methacrylate	69	7.429	7.428	0.001	92	46278	5.00	4.83	
79 1,1,2-Trichloroethane	83	7.544	7.550	-0.006	86	23142	5.00	4.89	
80 Tetrachloroethene	166	7.642	7.642	0.000	90	35745	5.00	5.05	
81 1,3-Dichloropropane	76	7.715	7.709	0.006	94	53692	5.00	5.11	
82 2-Hexanone	43	7.794	7.788	0.006	99	209329	25.0	25.5	
83 Chlorodibromomethane	129	7.947	7.947	0.000	84	29182	5.00	4.80	
84 Ethylene Dibromide	107	8.063	8.050	0.013	94	31376	5.00	4.95	
86 Chlorobenzene	112	8.544	8.544	0.000	94	99159	5.00	5.13	
88 1,1,1,2-Tetrachloroethane	131	8.636	8.636	0.000	38	33556	5.00	5.16	
89 Ethylbenzene	91	8.642	8.642	0.000	98	160162	5.00	5.09	
90 m-Xylene & p-Xylene	106	8.764	8.764	0.000	0	67527	5.00	5.03	
91 o-Xylene	106	9.190	9.190	0.000	96	67870	5.00	5.10	
92 Styrene	104	9.221	9.215	0.006	97	111594	5.00	5.12	
93 Bromoform	173	9.453	9.446	0.006	92	17039	5.00	4.51	
95 Isopropylbenzene	105	9.574	9.574	0.000	95	172753	5.00	5.14	
97 Bromobenzene	156	9.910	9.910	0.000	92	43683	5.00	5.07	
98 1,1,2,2-Tetrachloroethane	83	9.946	9.946	0.000	80	47596	5.00	5.06	
99 1,2,3-Trichloropropane	110	9.977	9.977	0.000	53	15993	5.00	5.00	
100 trans-1,4-Dichloro-2-buten	53	10.001	9.995	0.006	32	20150	5.00	4.82	
101 N-Propylbenzene	91	9.995	9.995	0.000	98	199487	5.00	5.10	
102 2-Chlorotoluene	126	10.099	10.099	0.000	97	43512	5.00	5.15	
104 1,3,5-Trimethylbenzene	105	10.178	10.178	0.000	64	154016	5.00	5.09	
105 4-Chlorotoluene	126	10.208	10.208	0.000	97	44861	5.00	5.03	
106 tert-Butylbenzene	134	10.489	10.489	0.000	90	37946	5.00	5.05	
107 1,2,4-Trimethylbenzene	105	10.544	10.544	0.000	95	163654	5.00	5.15	

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	10.702	10.702	0.000	93	201588	5.00	5.10	
110 1,3-Dichlorobenzene	146	10.830	10.830	0.000	87	93599	5.00	5.08	
111 4-Isopropyltoluene	119	10.842	10.842	0.000	98	186471	5.00	5.21	
113 1,4-Dichlorobenzene	146	10.922	10.916	0.006	94	99864	5.00	5.09	
115 n-Butylbenzene	91	11.227	11.227	0.000	97	154459	5.00	5.09	
116 1,2-Dichlorobenzene	146	11.269	11.269	0.000	92	95435	5.00	5.12	
117 1,2-Dibromo-3-Chloropropan	75	11.983	11.982	0.000	65	10508	5.00	4.74	
119 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	90	70529	5.00	4.97	
120 Hexachlorobutadiene	225	12.793	12.799	-0.006	91	27729	5.00	4.92	
121 Naphthalene	128	12.885	12.885	0.000	97	228083	5.00	5.07	
122 1,2,3-Trichlorobenzene	180	13.092	13.086	0.006	94	65299	5.00	5.00	
S 123 Total BTEX	1				0			25.3	
S 124 Xylenes, Total	1				0			10.1	
S 125 1,2-Dichloroethene, Total	1				0			10.0	
S 126 1,3-Dichloropropene, Total	1				0			10.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00049

Amount Added: 5.00

Units: uL

GAS CORP mix_00107

Amount Added: 5.00

Units: uL

G_8260_Surr_00105

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00096

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42392.D

Injection Date: 13-Sep-2015 21:30:30

Instrument ID: HP5973G

Operator ID: jg

Lims ID: IC 3

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

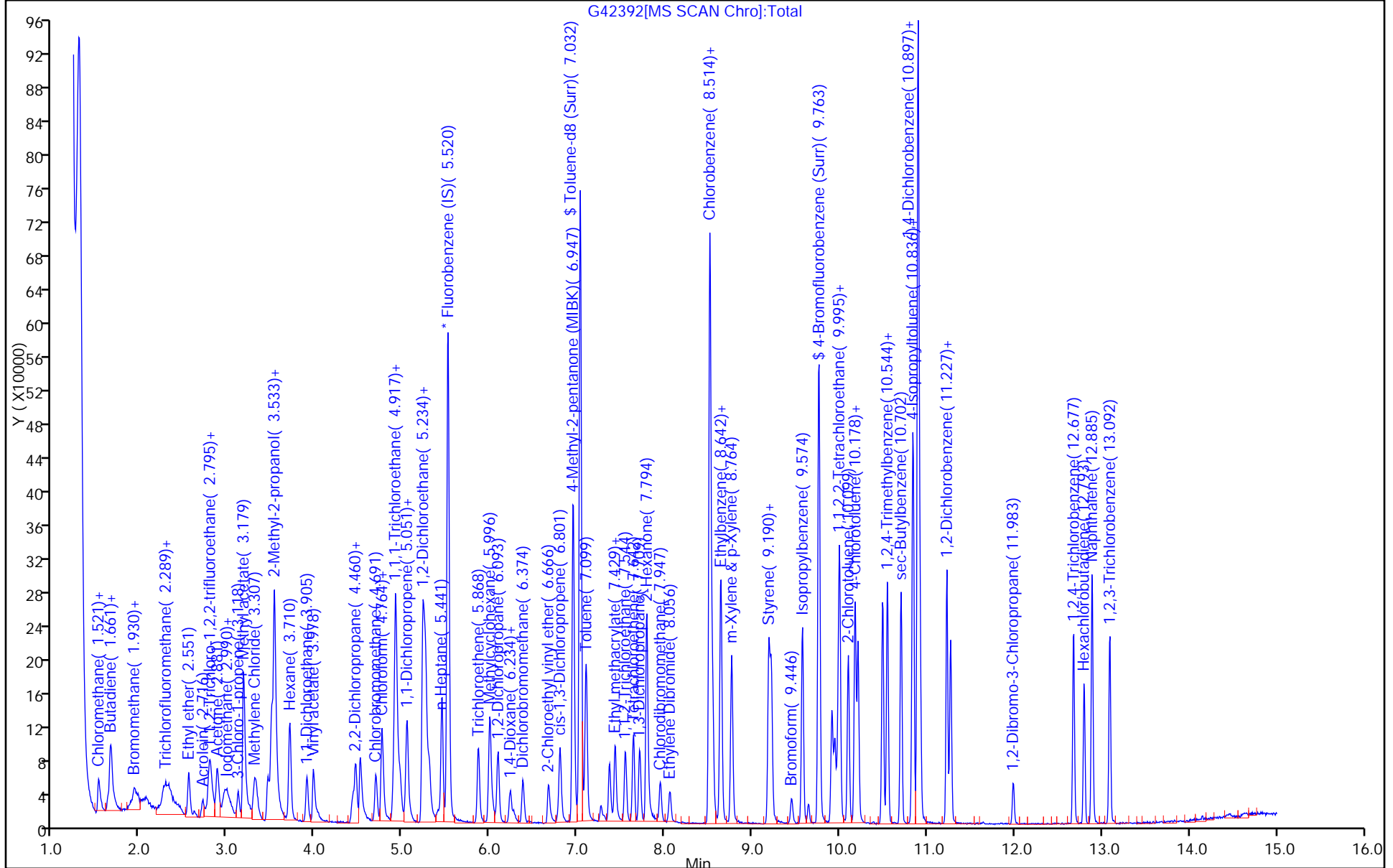
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



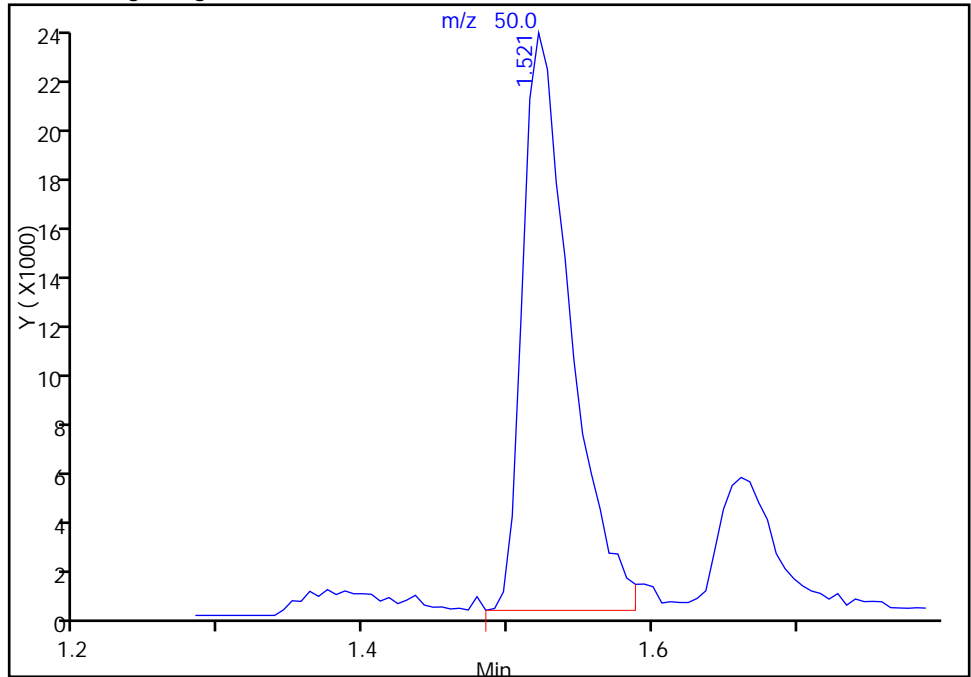
TestAmerica Buffalo

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Injection Date: 13-Sep-2015 21:30:30 Instrument ID: HP5973G
Lims ID: IC 3
Client ID:
Operator ID: jg ALS Bottle#: 8 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

12 Chloromethane, CAS: 74-87-3

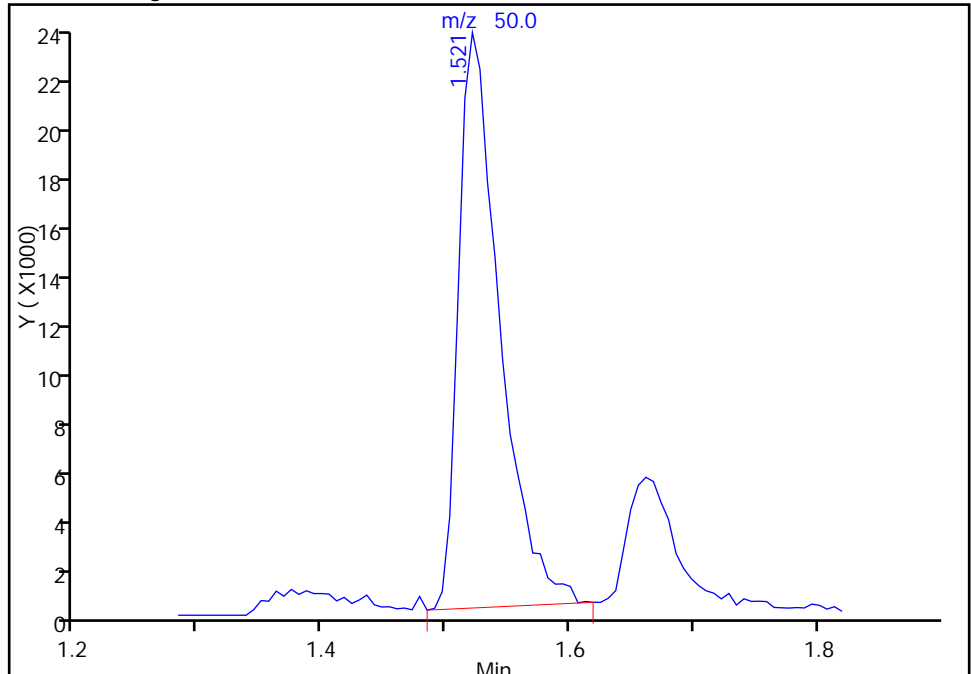
RT: 1.52
Area: 54284
Amount: 0.869759
Amount Units: ug/L

Processing Integration Results



RT: 1.52
Area: 54039
Amount: 4.888744
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:20:39
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

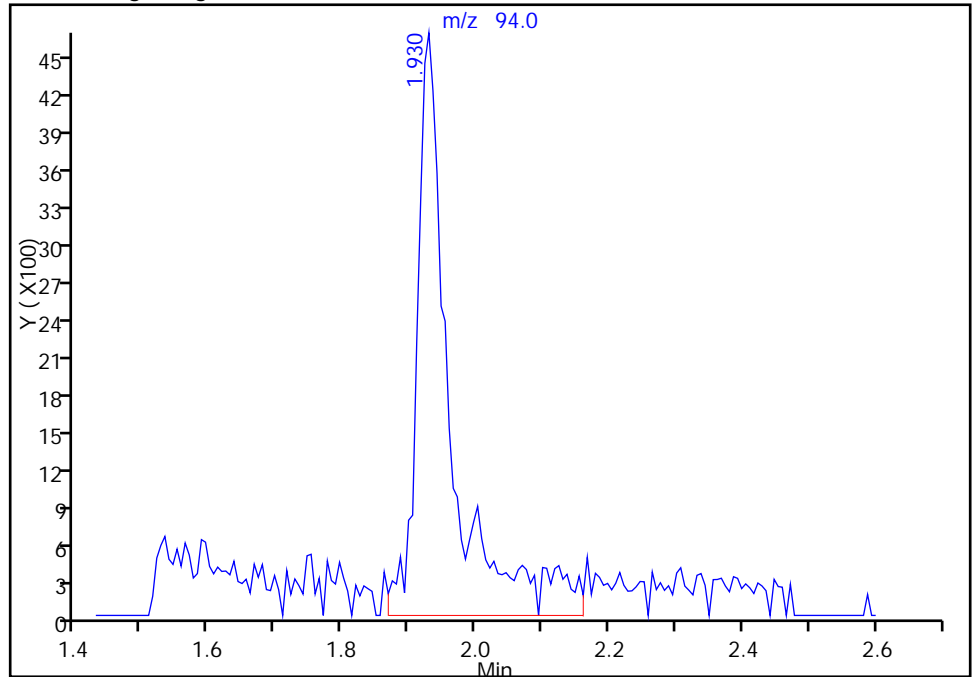
TestAmerica Buffalo

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Injection Date: 13-Sep-2015 21:30:30 Instrument ID: HP5973G
Lims ID: IC 3
Client ID:
Operator ID: jg ALS Bottle#: 8 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

14 Bromomethane, CAS: 74-83-9

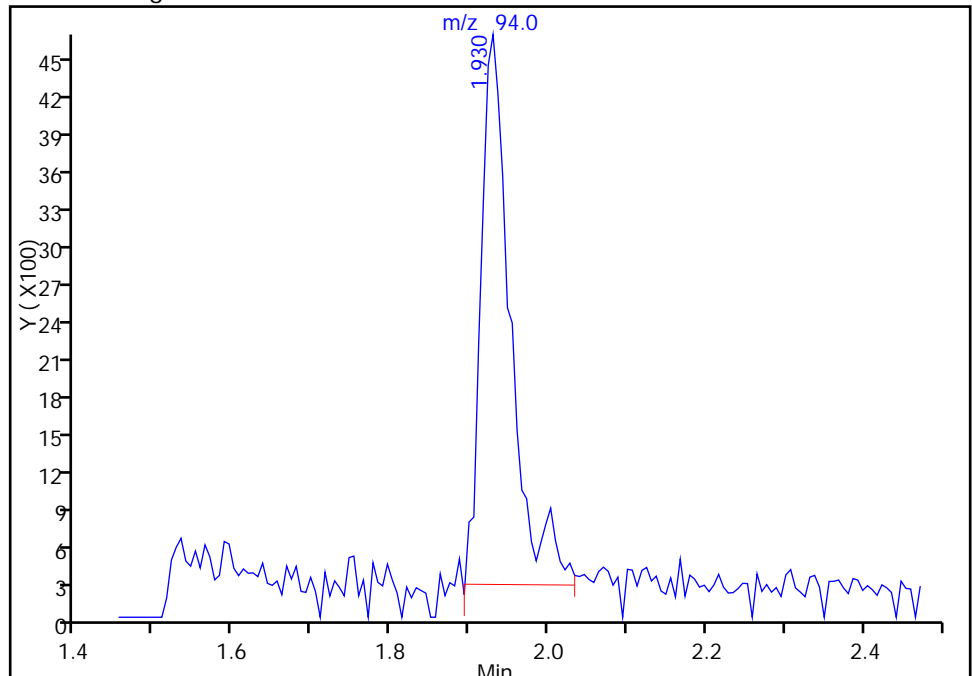
RT: 1.93
Area: 16415
Amount: 6.017357
Amount Units: ug/L

Processing Integration Results



RT: 1.93
Area: 11462
Amount: 4.472379
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 14-Sep-2015 16:33:40
Audit Action: Manually Integrated
Audit Reason: Baseline

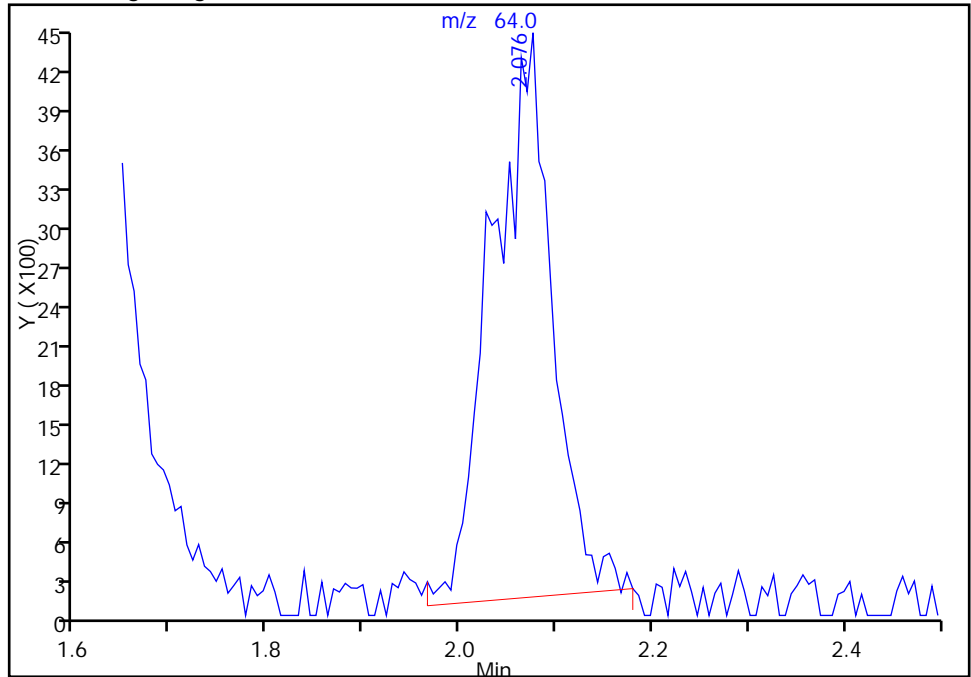
TestAmerica Buffalo

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Injection Date: 13-Sep-2015 21:30:30 Instrument ID: HP5973G
Lims ID: IC 3
Client ID:
Operator ID: jg ALS Bottle#: 8 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

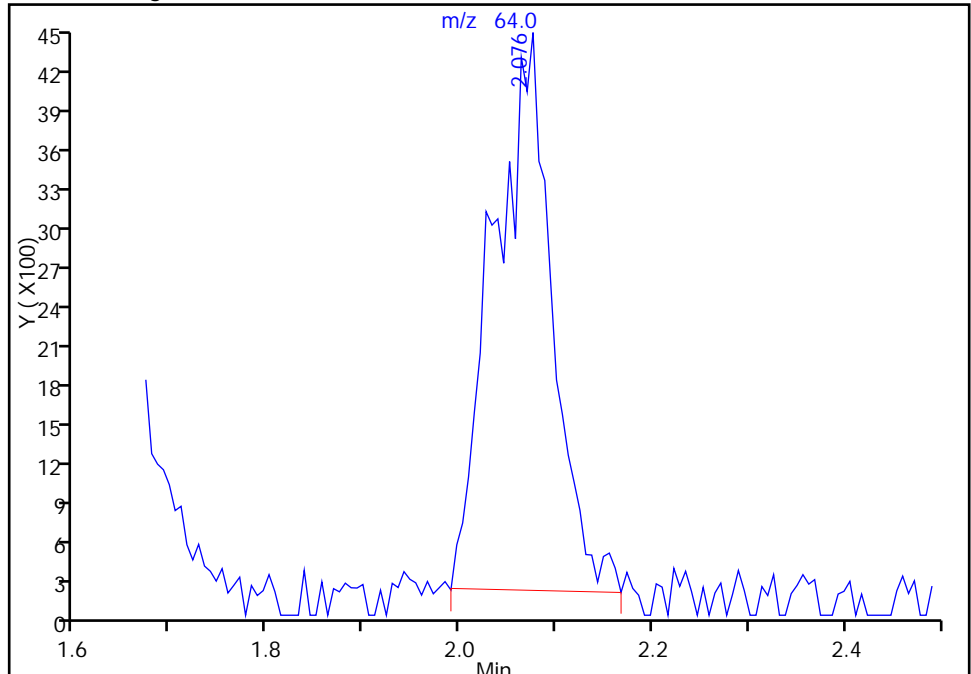
RT: 2.08
Area: 18894
Amount: 4.849543
Amount Units: ug/L

Processing Integration Results



RT: 2.08
Area: 18133
Amount: 4.684718
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 14-Sep-2015 16:33:40
Audit Action: Manually Integrated
Audit Reason: Baseline

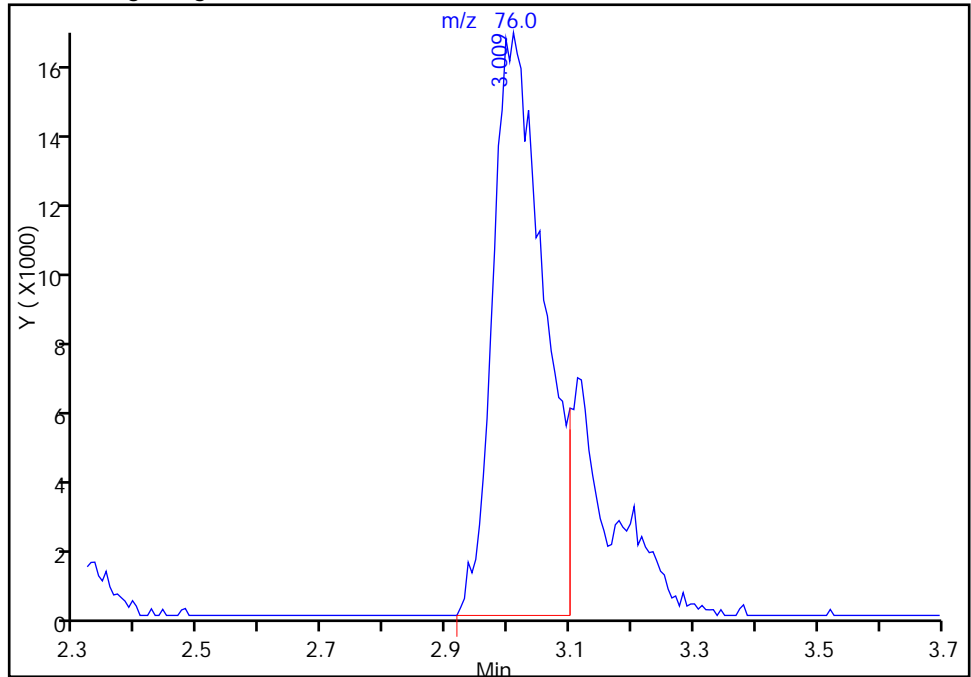
TestAmerica Buffalo

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Injection Date: 13-Sep-2015 21:30:30 Instrument ID: HP5973G
Lims ID: IC 3
Client ID:
Operator ID: jg ALS Bottle#: 8 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

24 Carbon disulfide, CAS: 75-15-0

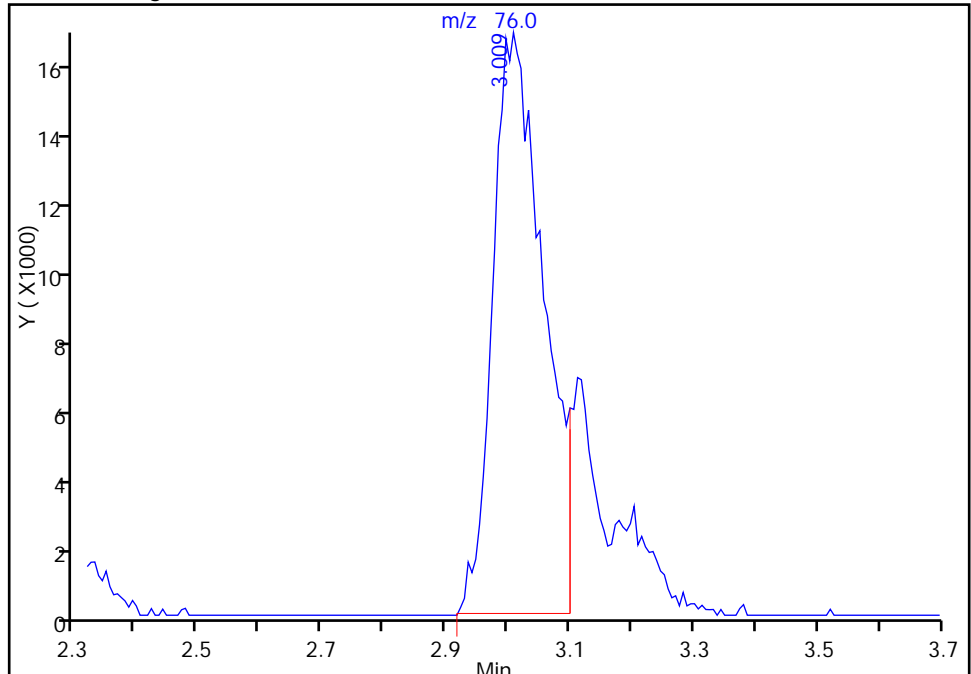
RT: 3.01
Area: 95941
Amount: 0.844234
Amount Units: ug/L

Processing Integration Results



RT: 3.01
Area: 95363
Amount: 4.824051
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:47:48
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

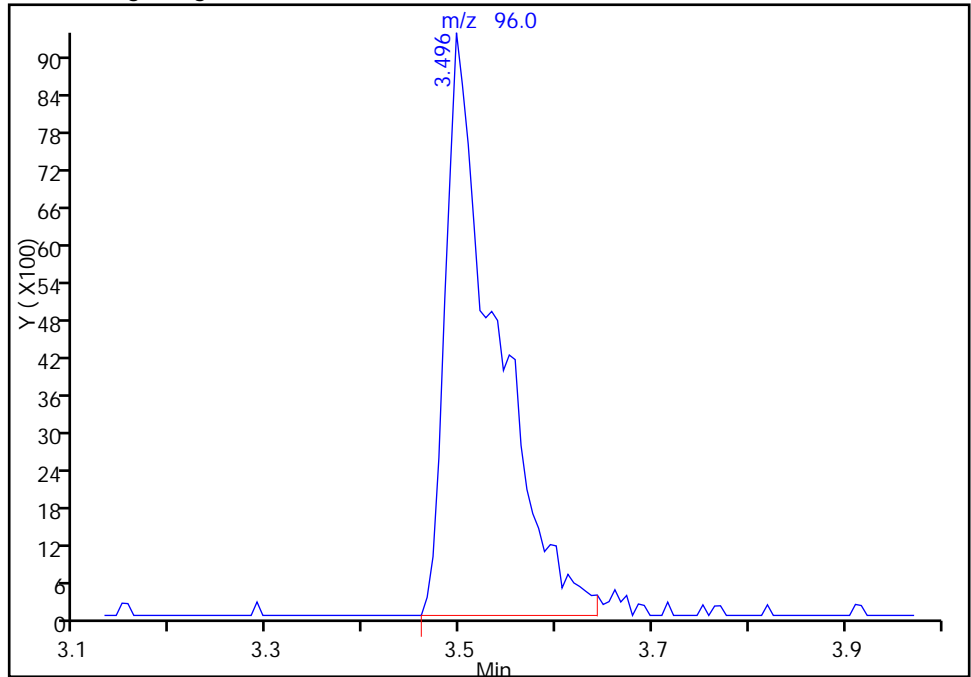
TestAmerica Buffalo

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Injection Date: 13-Sep-2015 21:30:30 Instrument ID: HP5973G
Lims ID: IC 3
Client ID:
Operator ID: jg ALS Bottle#: 8 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

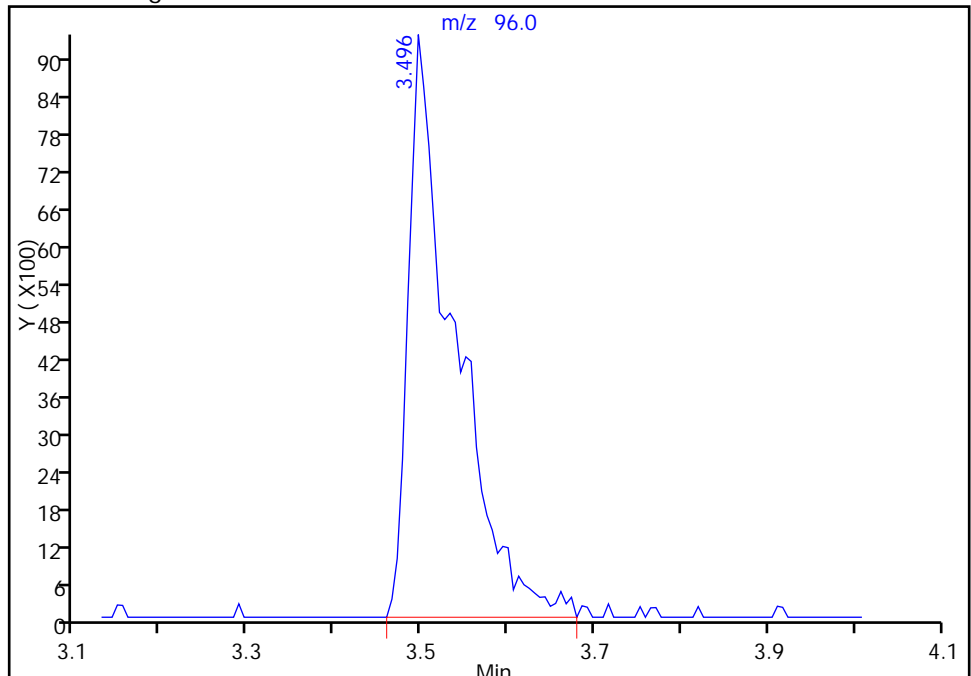
RT: 3.50
Area: 34263
Amount: 5.590090
Amount Units: ug/L

Processing Integration Results



RT: 3.50
Area: 34757
Amount: 5.042086
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:57:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42393.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 13-Sep-2015 21:52:30 ALS Bottle#: 9 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0046201-007
 Operator ID: jg Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Sep-2015 19:18:15 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: gentilej Date: 14-Sep-2015 09:22:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.520	0.000	99	95257	25.0	25.0	M
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	85	214437	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.897	0.000	94	257165	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.923	4.923	0.000	94	112094	25.0	26.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	74269	25.0	27.2	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	92	498924	25.0	25.7	
\$ 6 4-Bromofluorobenzene (Surr	174	9.763	9.763	0.000	89	171436	25.0	25.2	
10 Dichlorodifluoromethane	85	1.375	1.375	0.000	98	72338	10.0	10.2	
12 Chloromethane	50	1.521	1.521	0.000	99	103636	10.0	10.4	
13 Vinyl chloride	62	1.643	1.643	0.000	97	82294	10.0	10.4	
144 Butadiene	54	1.655	1.655	0.000	92	91669	10.0	10.3	
14 Bromomethane	94	1.930	1.930	0.000	91	23018	10.0	9.94	
15 Chloroethane	64	2.027	2.027	0.000	97	35298	10.0	10.1	
16 Dichlorofluoromethane	67	2.265	2.265	0.000	96	95130	10.0	10.6	
17 Trichlorofluoromethane	101	2.289	2.289	0.000	95	88036	10.0	10.7	
18 Ethyl ether	59	2.551	2.551	0.000	97	62351	10.0	10.3	
19 Acrolein	56	2.710	2.710	0.000	98	50742	50.0	56.7	
21 1,1,2-Trichloro-1,2,2-trif	101	2.789	2.789	0.000	58	61003	10.0	10.5	
20 1,1-Dichloroethene	96	2.789	2.789	0.000	95	68624	10.0	10.1	
22 Acetone	43	2.881	2.881	0.000	99	170813	50.0	52.1	
23 Iodomethane	142	2.954	2.954	0.000	96	120175	10.0	10.7	
24 Carbon disulfide	76	2.997	2.997	0.000	99	175313	10.0	9.81	M
26 3-Chloro-1-propene	41	3.118	3.118	0.000	89	48390	10.0	10.5	
28 Methyl acetate	43	3.179	3.179	0.000	100	499868	50.0	54.0	
29 Methylene Chloride	84	3.314	3.314	0.000	95	76515	10.0	11.2	
30 2-Methyl-2-propanol	59	3.460	3.460	0.000	98	154958	100.0	111.3	
32 trans-1,2-Dichloroethene	96	3.503	3.503	0.000	97	63334	10.0	10.2	
31 Methyl tert-butyl ether	73	3.509	3.509	0.000	98	195796	10.0	10.8	
33 Acrylonitrile	53	3.533	3.533	0.000	100	427239	100.0	108.0	
34 Hexane	57	3.710	3.710	0.000	96	110970	10.0	9.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.905	3.905	0.000	96	114064	10.0	10.4	
38 Vinyl acetate	43	3.978	3.978	0.000	97	251930	20.0	21.6	
42 2,2-Dichloropropane	77	4.435	4.435	0.000	91	40795	10.0	10.3	
43 cis-1,2-Dichloroethene	96	4.460	4.460	0.000	82	62056	10.0	10.4	
44 2-Butanone (MEK)	43	4.508	4.508	0.000	98	274791	50.0	52.1	
48 Chlorobromomethane	128	4.691	4.691	0.000	92	32668	10.0	10.7	
49 Tetrahydrofuran	42	4.758	4.758	0.000	95	84529	20.0	20.2	
50 Chloroform	85	4.764	4.764	0.000	95	61517	10.0	10.2	
51 1,1,1-Trichloroethane	97	4.899	4.899	0.000	99	74477	10.0	10.3	
52 Cyclohexane	56	4.923	4.923	0.000	83	151586	10.0	10.1	
53 Carbon tetrachloride	117	5.045	5.045	0.000	97	71070	10.0	10.2	
54 1,1-Dichloropropene	75	5.051	5.051	0.000	93	71618	10.0	9.72	
56 Benzene	78	5.252	5.252	0.000	98	233657	10.0	10.4	
55 Isobutyl alcohol	43	5.264	5.264	0.000	96	186639	250.0	274.4	
57 1,2-Dichloroethane	62	5.301	5.301	0.000	96	83285	10.0	10.3	
59 n-Heptane	43	5.447	5.447	0.000	95	139704	10.0	10.1	
61 Trichloroethene	95	5.862	5.862	0.000	94	56879	10.0	10.3	
62 Methylcyclohexane	83	5.996	5.996	0.000	97	108700	10.0	9.93	
63 1,2-Dichloropropane	63	6.087	6.087	0.000	95	65859	10.0	10.4	
65 Dibromomethane	93	6.228	6.228	0.000	93	35583	10.0	10.6	
66 1,4-Dioxane	88	6.270	6.270	0.000	98	19074	200.0	231.2	
67 Dichlorobromomethane	83	6.374	6.374	0.000	98	65780	10.0	10.4	
70 2-Chloroethyl vinyl ether	63	6.667	6.667	0.000	90	50511	10.0	10.6	
72 cis-1,3-Dichloropropene	75	6.801	6.801	0.000	92	95114	10.0	10.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.947	6.947	0.000	98	602433	50.0	52.5	
74 Toluene	92	7.099	7.099	0.000	99	163835	10.0	10.1	
76 trans-1,3-Dichloropropene	75	7.362	7.362	0.000	96	87896	10.0	10.0	
78 Ethyl methacrylate	69	7.429	7.429	0.000	96	93827	10.0	10.1	
79 1,1,2-Trichloroethane	83	7.544	7.544	0.000	91	45938	10.0	10.0	
80 Tetrachloroethene	166	7.636	7.636	0.000	97	65888	10.0	9.62	
81 1,3-Dichloropropane	76	7.709	7.709	0.000	99	102094	10.0	10.0	
82 2-Hexanone	43	7.788	7.788	0.000	99	423785	50.0	53.4	
83 Chlorodibromomethane	129	7.947	7.947	0.000	89	59050	10.0	10.0	
84 Ethylene Dibromide	107	8.056	8.056	0.000	98	62897	10.0	10.3	
86 Chlorobenzene	112	8.544	8.544	0.000	95	189898	10.0	10.2	
88 1,1,1,2-Tetrachloroethane	131	8.636	8.636	0.000	91	63207	10.0	10.0	
89 Ethylbenzene	91	8.642	8.642	0.000	98	305647	10.0	10.0	
90 m-Xylene & p-Xylene	106	8.764	8.764	0.000	0	127414	10.0	9.80	
91 o-Xylene	106	9.190	9.190	0.000	97	129702	10.0	10.1	
92 Styrene	104	9.215	9.215	0.000	96	217827	10.0	10.3	
93 Bromoform	173	9.446	9.446	0.000	97	34890	10.0	9.54	
95 Isopropylbenzene	105	9.574	9.574	0.000	95	320822	10.0	9.92	
97 Bromobenzene	156	9.910	9.910	0.000	93	85280	10.0	10.3	
98 1,1,2,2-Tetrachloroethane	83	9.946	9.946	0.000	94	94313	10.0	10.4	
99 1,2,3-Trichloropropane	110	9.977	9.977	0.000	90	31610	10.0	10.3	
100 trans-1,4-Dichloro-2-buten	53	9.995	9.995	0.000	62	39530	10.0	9.83	
101 N-Propylbenzene	91	9.995	9.995	0.000	99	374253	10.0	9.96	
102 2-Chlorotoluene	126	10.099	10.099	0.000	97	82181	10.0	10.1	
104 1,3,5-Trimethylbenzene	105	10.178	10.178	0.000	95	296209	10.0	10.2	
105 4-Chlorotoluene	126	10.209	10.209	0.000	97	89769	10.0	10.5	
106 tert-Butylbenzene	134	10.489	10.489	0.000	92	71626	10.0	9.90	
107 1,2,4-Trimethylbenzene	105	10.544	10.544	0.000	96	316149	10.0	10.3	

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	10.702	10.702	0.000	93	377777	10.0	9.94	
110 1,3-Dichlorobenzene	146	10.830	10.830	0.000	99	180592	10.0	10.2	
111 4-Isopropyltoluene	119	10.843	10.843	0.000	97	351472	10.0	10.2	
113 1,4-Dichlorobenzene	146	10.916	10.916	0.000	96	191586	10.0	10.2	
115 n-Butylbenzene	91	11.227	11.227	0.000	97	294893	10.0	10.1	
116 1,2-Dichlorobenzene	146	11.269	11.269	0.000	99	188191	10.0	10.5	
117 1,2-Dibromo-3-Chloropropan	75	11.983	11.983	0.000	86	21022	10.0	9.86	
119 1,2,4-Trichlorobenzene	180	12.678	12.678	0.000	95	142672	10.0	10.4	
120 Hexachlorobutadiene	225	12.799	12.799	0.000	97	56435	10.0	10.4	
121 Naphthalene	128	12.885	12.885	0.000	97	471434	10.0	10.9	
122 1,2,3-Trichlorobenzene	180	13.086	13.086	0.000	97	137310	10.0	10.9	
S 125 1,2-Dichloroethene, Total	1				0			20.6	
S 126 1,3-Dichloropropene, Total	1				0			20.5	
S 123 Total BTEX	1				0			50.4	
S 124 Xylenes, Total	1				0			19.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00049

Amount Added: 5.00

Units: uL

GAS CORP mix_00107

Amount Added: 5.00

Units: uL

G_8260_Surr_00105

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00096

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42393.D

Injection Date: 13-Sep-2015 21:52:30

Instrument ID: HP5973G

Operator ID: jg

Lims ID: IC 4

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

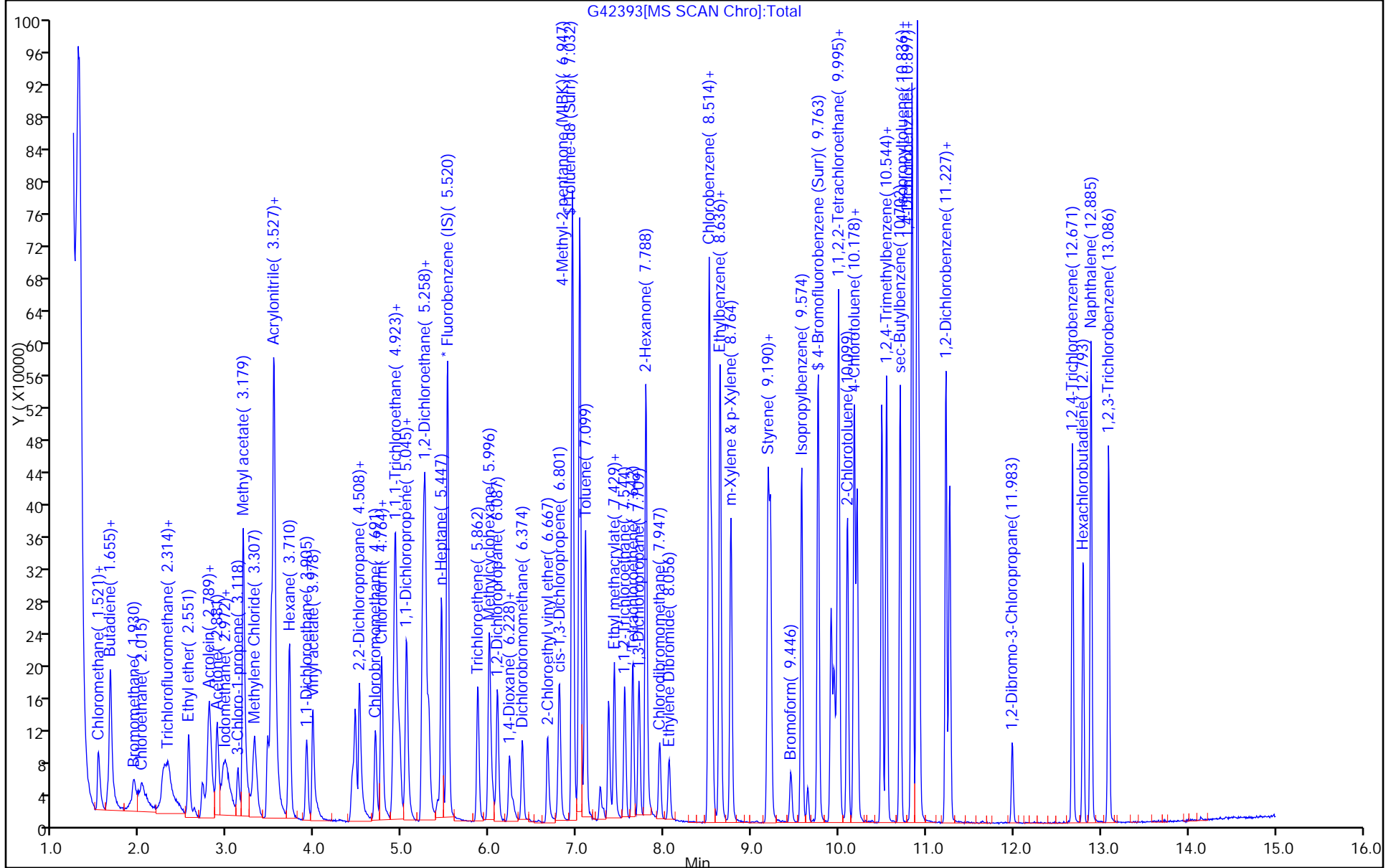
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



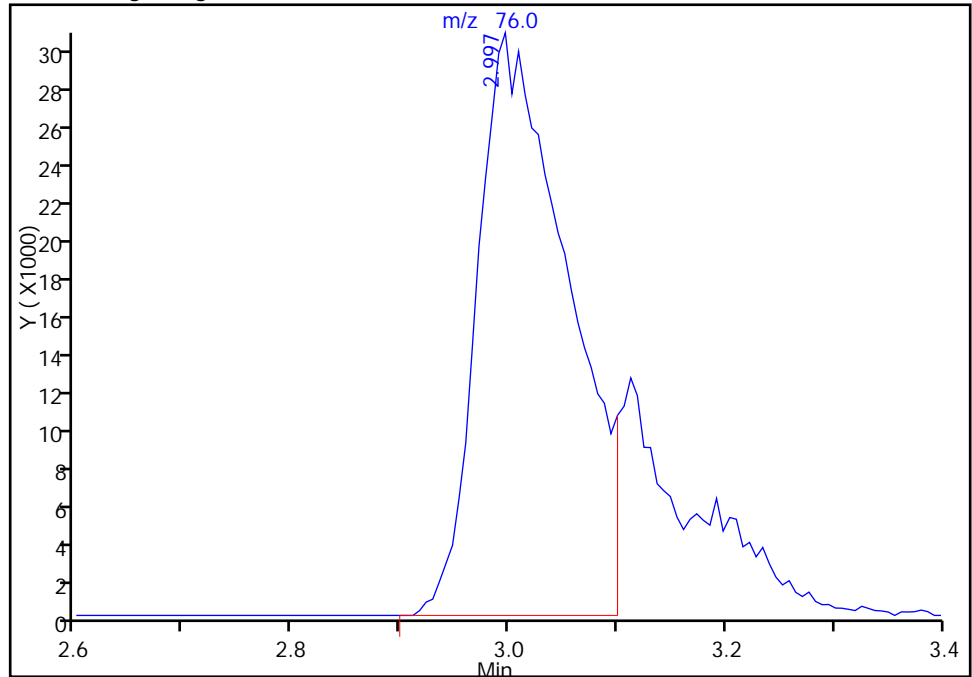
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42393.D
Injection Date: 13-Sep-2015 21:52:30 Instrument ID: HP5973G
Lims ID: IC 4
Client ID:
Operator ID: jg ALS Bottle#: 9 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

24 Carbon disulfide, CAS: 75-15-0

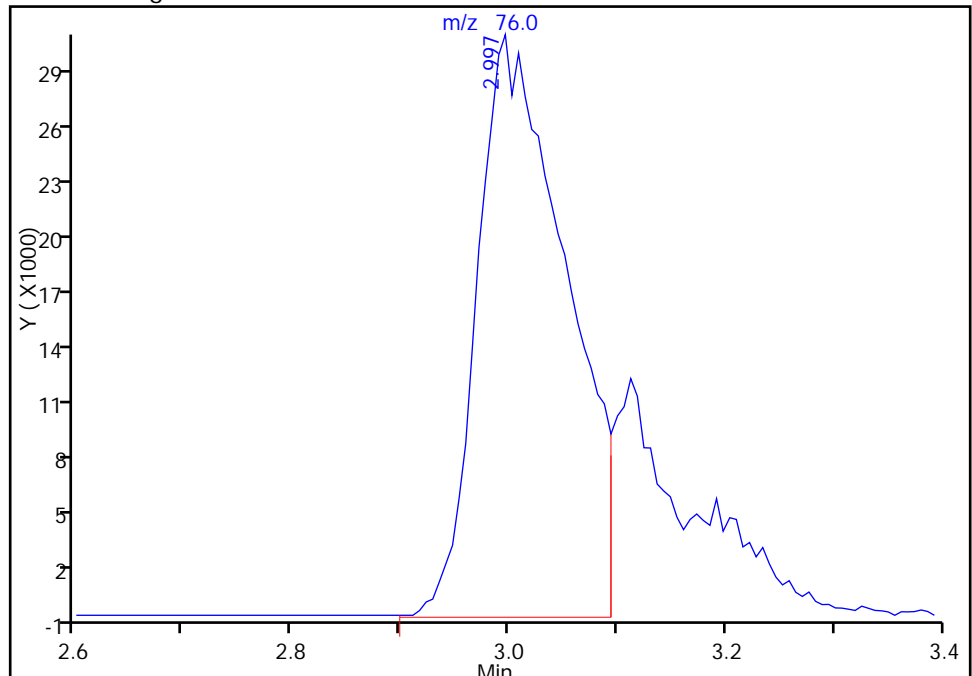
RT: 3.00
Area: 177889
Amount: 1.708683
Amount Units: ug/L

Processing Integration Results



RT: 3.00
Area: 175313
Amount: 9.807826
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:47:12
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

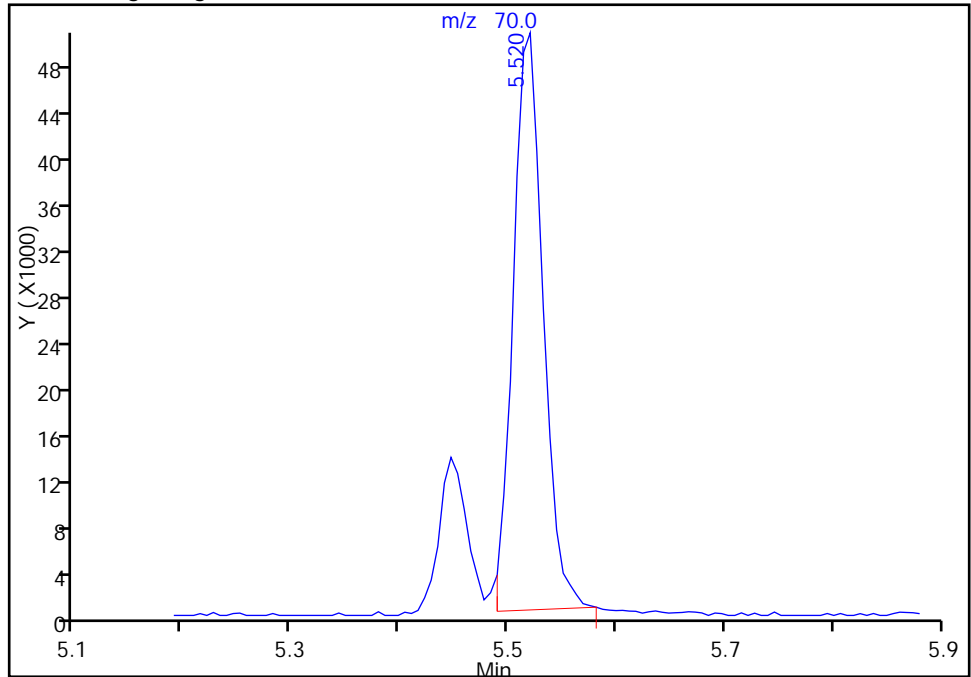
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42393.D
Injection Date: 13-Sep-2015 21:52:30 Instrument ID: HP5973G
Lims ID: IC 4
Client ID:
Operator ID: jg ALS Bottle#: 9 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

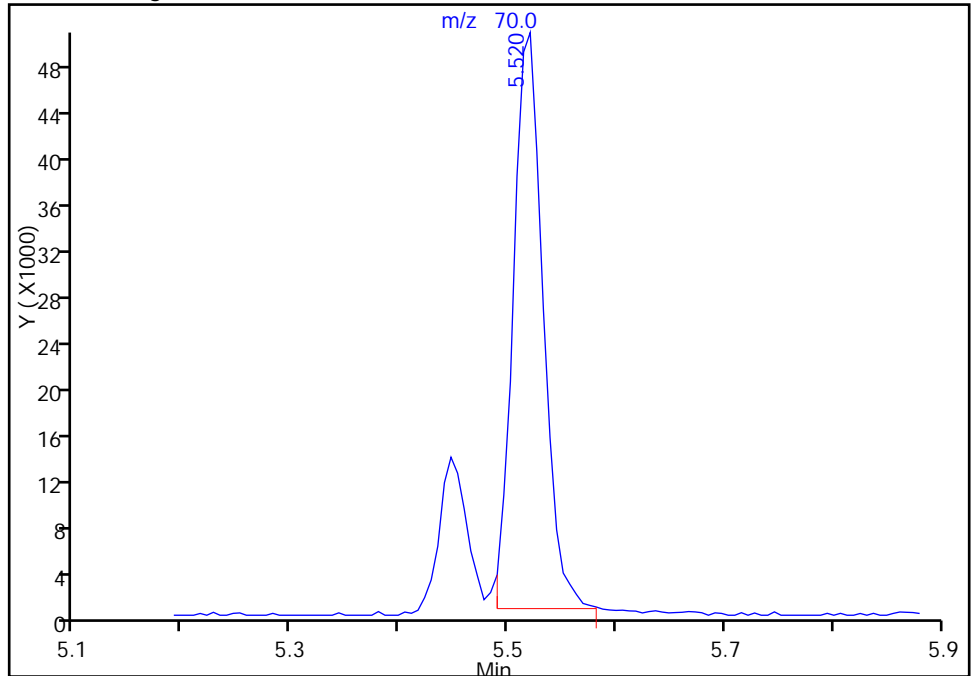
RT: 5.52
Area: 95486
Amount: 25.000000
Amount Units: ug/L

Processing Integration Results



RT: 5.52
Area: 95257
Amount: 25.000000
Amount Units: ug/L

Manual Integration Results



Reviewer: o'briens, 14-Sep-2015 19:18:15
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42394.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 13-Sep-2015 22:15:30 ALS Bottle#: 10 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0046201-008
 Operator ID: jg Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Sep-2015 19:33:13 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: gentilej Date: 14-Sep-2015 09:45:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.514	5.514	0.000	99	105503	25.0	25.0	M
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	84	224743	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.897	0.000	94	272592	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.923	4.923	0.000	76	119716	25.0	25.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	74753	25.0	24.7	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	92	515824	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.763	9.763	0.000	89	179716	25.0	25.2	
10 Dichlorodifluoromethane	85	1.369	1.369	0.000	99	193107	25.0	24.6	
12 Chloromethane	50	1.521	1.521	0.000	99	271036	25.0	24.5	
13 Vinyl chloride	62	1.643	1.643	0.000	97	215303	25.0	24.6	
144 Butadiene	54	1.661	1.661	0.000	91	234629	25.0	23.9	
14 Bromomethane	94	1.923	1.923	0.000	89	60393	25.0	23.5	M
15 Chloroethane	64	2.058	2.058	0.000	97	98349	25.0	25.4	
16 Dichlorofluoromethane	67	2.265	2.265	0.000	97	241157	25.0	24.3	
17 Trichlorofluoromethane	101	2.295	2.295	0.000	97	224573	25.0	24.7	
18 Ethyl ether	59	2.551	2.551	0.000	96	162656	25.0	24.3	
19 Acrolein	56	2.716	2.716	0.000	100	130139	125.0	131.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.789	2.789	0.000	61	175164	25.0	27.3	
20 1,1-Dichloroethene	96	2.801	2.801	0.000	94	184076	25.0	24.4	
22 Acetone	43	2.875	2.875	0.000	99	417660	125.0	115.1	
23 Iodomethane	142	2.960	2.960	0.000	96	310799	25.0	24.9	
24 Carbon disulfide	76	2.996	2.996	0.000	100	496687	25.0	25.1	M
26 3-Chloro-1-propene	41	3.118	3.118	0.000	90	132566	25.0	25.9	
28 Methyl acetate	43	3.173	3.173	0.000	100	1272019	125.0	124.1	
29 Methylene Chloride	84	3.307	3.307	0.000	94	189953	25.0	26.1	
30 2-Methyl-2-propanol	59	3.454	3.454	0.000	99	389833	250.0	252.8	
32 trans-1,2-Dichloroethene	96	3.496	3.496	0.000	95	170331	25.0	24.7	
31 Methyl tert-butyl ether	73	3.502	3.502	0.000	98	510829	25.0	25.3	
33 Acrylonitrile	53	3.527	3.527	0.000	100	1125626	250.0	256.9	
34 Hexane	57	3.710	3.710	0.000	96	315203	25.0	25.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.905	3.905	0.000	96	304463	25.0	25.1	
38 Vinyl acetate	43	3.972	3.972	0.000	97	712627	50.0	55.1	
42 2,2-Dichloropropane	77	4.429	4.429	0.000	93	113158	25.0	25.7	
43 cis-1,2-Dichloroethene	96	4.460	4.460	0.000	83	165986	25.0	25.4	
44 2-Butanone (MEK)	43	4.502	4.502	0.000	98	742412	125.0	127.2	
48 Chlorobromomethane	128	4.691	4.691	0.000	92	86544	25.0	25.6	
49 Tetrahydrofuran	42	4.746	4.746	0.000	96	226777	50.0	49.9	
50 Chloroform	85	4.764	4.764	0.000	95	160764	25.0	24.7	
51 1,1,1-Trichloroethane	97	4.899	4.899	0.000	99	201531	25.0	25.1	
52 Cyclohexane	56	4.923	4.923	0.000	94	430570	25.0	25.9	
53 Carbon tetrachloride	117	5.045	5.045	0.000	96	205364	25.0	26.7	
54 1,1-Dichloropropene	75	5.051	5.051	0.000	92	207734	25.0	25.5	
56 Benzene	78	5.252	5.252	0.000	98	617738	25.0	24.7	
55 Isobutyl alcohol	43	5.264	5.264	0.000	96	489825	625.0	650.2	
57 1,2-Dichloroethane	62	5.301	5.301	0.000	96	222138	25.0	24.7	
59 n-Heptane	43	5.447	5.447	0.000	97	374273	25.0	24.5	
61 Trichloroethene	95	5.862	5.862	0.000	94	155875	25.0	25.4	
62 Methylcyclohexane	83	5.996	5.996	0.000	96	314315	25.0	25.9	
63 1,2-Dichloropropane	63	6.087	6.087	0.000	95	178733	25.0	25.4	
65 Dibromomethane	93	6.228	6.228	0.000	93	91640	25.0	24.5	
66 1,4-Dioxane	88	6.264	6.264	0.000	98	43804	500.0	506.5	
67 Dichlorobromomethane	83	6.374	6.374	0.000	97	181521	25.0	25.9	
70 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	90	142167	25.0	26.9	
72 cis-1,3-Dichloropropene	75	6.801	6.801	0.000	92	259639	25.0	25.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.947	6.947	0.000	98	1566661	125.0	130.2	
74 Toluene	92	7.099	7.099	0.000	98	436392	25.0	25.7	
76 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	97	239733	25.0	26.1	
78 Ethyl methacrylate	69	7.428	7.428	0.000	97	255885	25.0	26.3	
79 1,1,2-Trichloroethane	83	7.550	7.550	0.000	92	121266	25.0	25.3	
80 Tetrachloroethene	166	7.642	7.642	0.000	96	184381	25.0	25.7	
81 1,3-Dichloropropane	76	7.709	7.709	0.000	99	271018	25.0	25.4	
82 2-Hexanone	43	7.788	7.788	0.000	98	1128355	125.0	135.7	
83 Chlorodibromomethane	129	7.947	7.947	0.000	91	162048	25.0	26.3	
84 Ethylene Dibromide	107	8.050	8.050	0.000	98	167382	25.0	26.0	
86 Chlorobenzene	112	8.544	8.544	0.000	96	505706	25.0	25.8	
88 1,1,1,2-Tetrachloroethane	131	8.636	8.636	0.000	94	169708	25.0	25.7	
89 Ethylbenzene	91	8.642	8.642	0.000	98	828781	25.0	25.9	
90 m-Xylene & p-Xylene	106	8.764	8.764	0.000	0	347592	25.0	25.5	
91 o-Xylene	106	9.190	9.190	0.000	97	347278	25.0	25.7	
92 Styrene	104	9.215	9.215	0.000	96	588732	25.0	26.6	
93 Bromoform	173	9.446	9.446	0.000	98	99834	25.0	26.0	
95 Isopropylbenzene	105	9.574	9.574	0.000	95	885995	25.0	25.9	
97 Bromobenzene	156	9.910	9.910	0.000	93	228083	25.0	26.0	
98 1,1,2,2-Tetrachloroethane	83	9.946	9.946	0.000	95	244170	25.0	25.5	
99 1,2,3-Trichloropropane	110	9.977	9.977	0.000	89	85480	25.0	25.9	
100 trans-1,4-Dichloro-2-buten	53	9.995	9.995	0.000	76	109434	25.0	25.7	
101 N-Propylbenzene	91	9.995	9.995	0.000	99	1014865	25.0	25.5	
102 2-Chlorotoluene	126	10.099	10.099	0.000	97	220978	25.0	25.3	
104 1,3,5-Trimethylbenzene	105	10.178	10.178	0.000	96	789098	25.0	25.6	
105 4-Chlorotoluene	126	10.208	10.208	0.000	97	234227	25.0	25.4	
106 tert-Butylbenzene	134	10.489	10.489	0.000	92	197191	25.0	25.7	
107 1,2,4-Trimethylbenzene	105	10.544	10.544	0.000	96	825900	25.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.702	10.702	0.000	93	1037197	25.0	25.7	
110 1,3-Dichlorobenzene	146	10.830	10.830	0.000	99	481394	25.0	25.6	
111 4-Isopropyltoluene	119	10.842	10.842	0.000	97	944465	25.0	25.5	
113 1,4-Dichlorobenzene	146	10.916	10.916	0.000	96	494921	25.0	24.8	
115 n-Butylbenzene	91	11.227	11.227	0.000	97	799079	25.0	25.8	
116 1,2-Dichlorobenzene	146	11.269	11.269	0.000	99	489191	25.0	25.5	
117 1,2-Dibromo-3-Chloropropan	75	11.982	11.982	0.000	92	57534	25.0	25.4	
119 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	95	359842	25.0	24.9	
120 Hexachlorobutadiene	225	12.799	12.799	0.000	97	145269	25.0	25.3	
121 Naphthalene	128	12.885	12.885	0.000	97	1179934	25.0	25.7	
122 1,2,3-Trichlorobenzene	180	13.086	13.086	0.000	97	337635	25.0	25.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00049	Amount Added: 12.50	Units: uL	
GAS CORP mix_00107	Amount Added: 12.50	Units: uL	
G_8260_Surr_00105	Amount Added: 1.00	Units: uL	Run Reagent
G_8260_IS_00096	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42394.D

Injection Date: 13-Sep-2015 22:15:30

Instrument ID: HP5973G

Operator ID: jg

Lims ID: ICIS 5

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

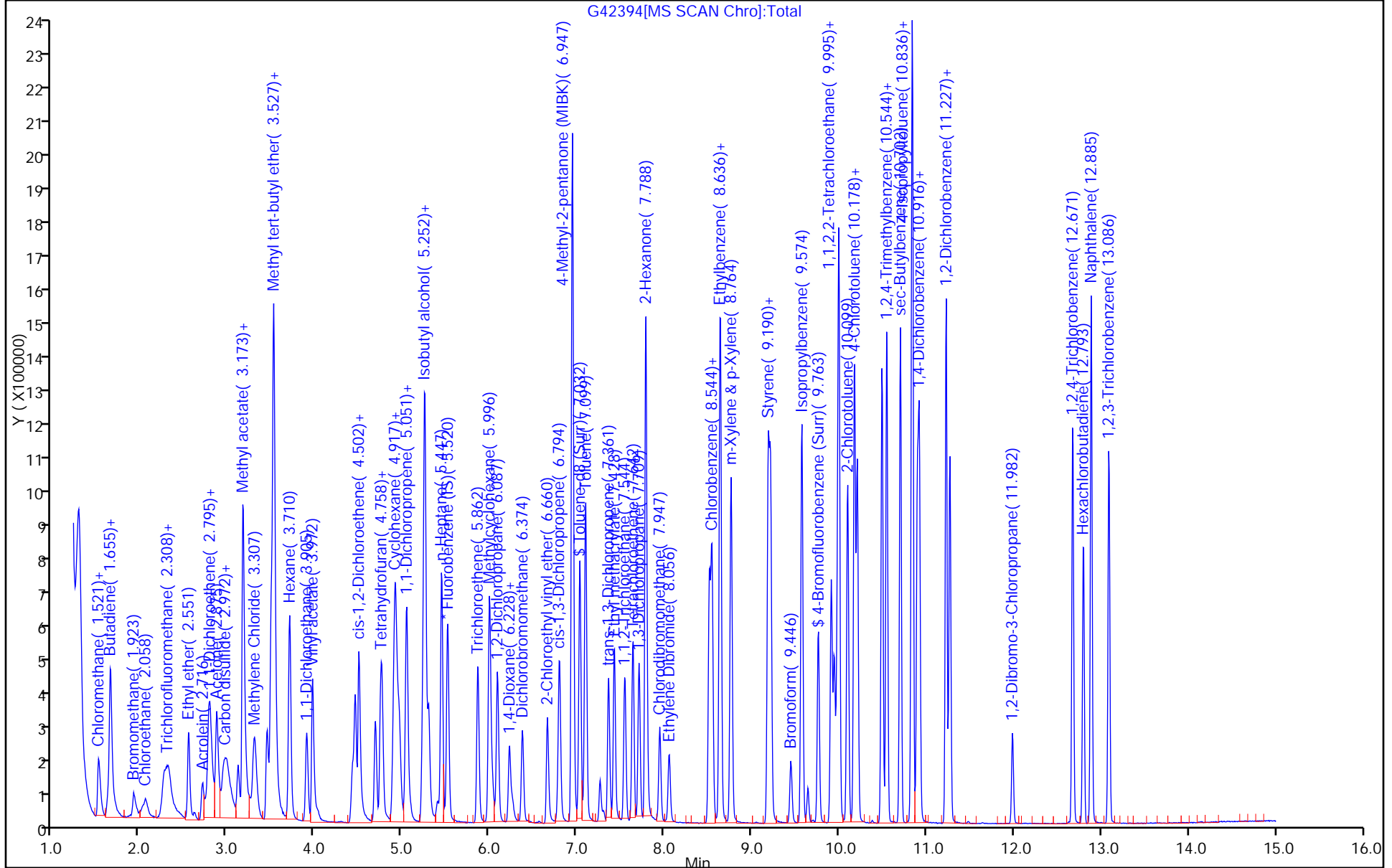
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



G42394[MS SCAN Chro]:Total

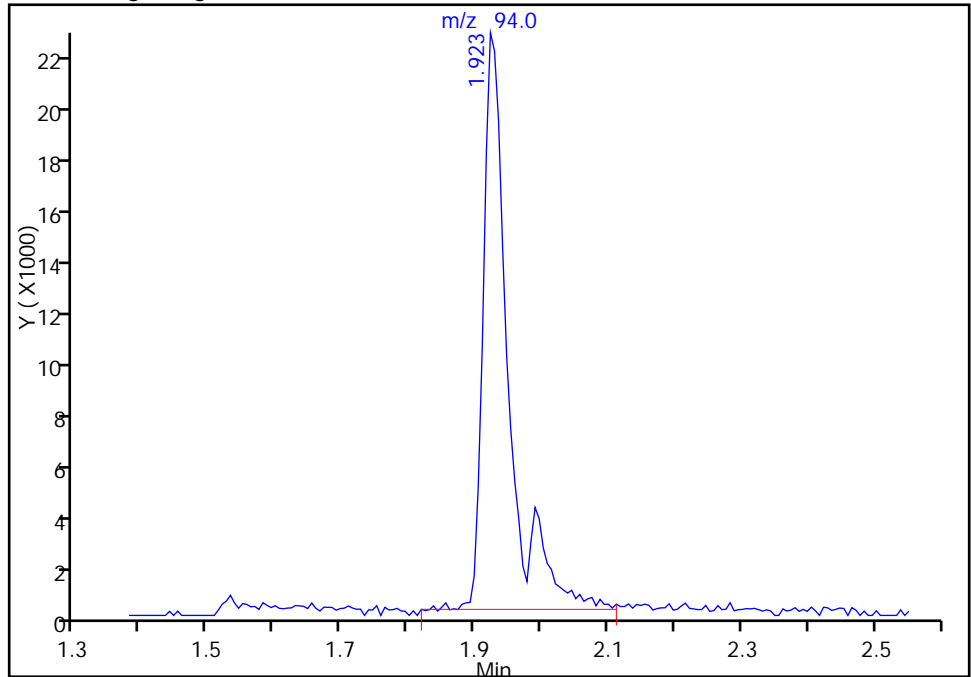
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42394.D
Injection Date: 13-Sep-2015 22:15:30 Instrument ID: HP5973G
Lims ID: ICIS 5
Client ID:
Operator ID: jg ALS Bottle#: 10 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

14 Bromomethane, CAS: 74-83-9

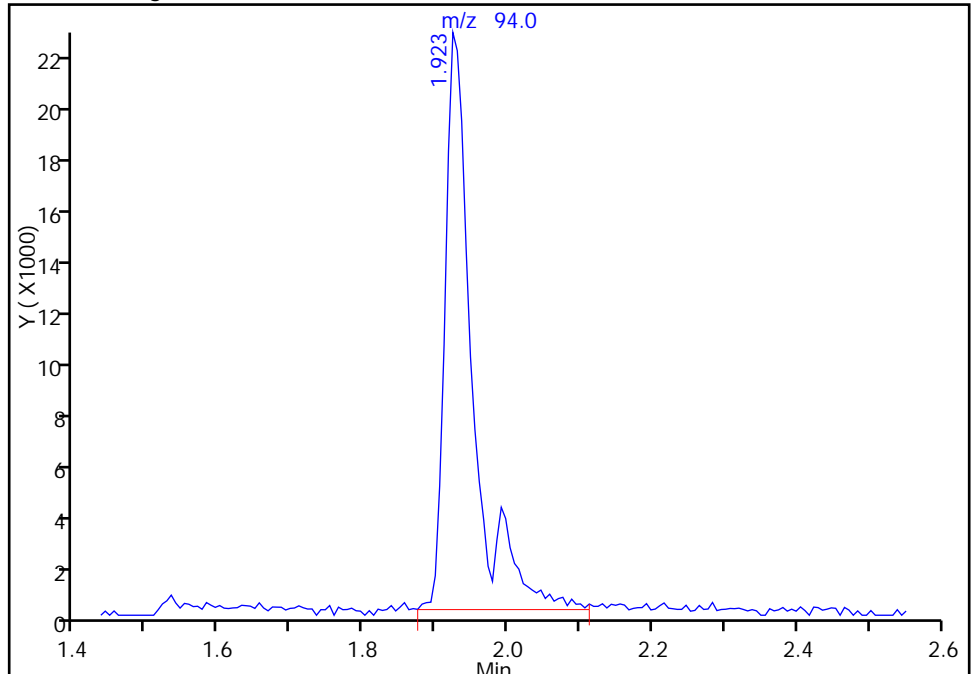
RT: 1.92
Area: 60269
Amount: 23.490289
Amount Units: ug/L

Processing Integration Results



RT: 1.92
Area: 60393
Amount: 23.531038
Amount Units: ug/L

Manual Integration Results



Reviewer: o'briens, 14-Sep-2015 19:33:13
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

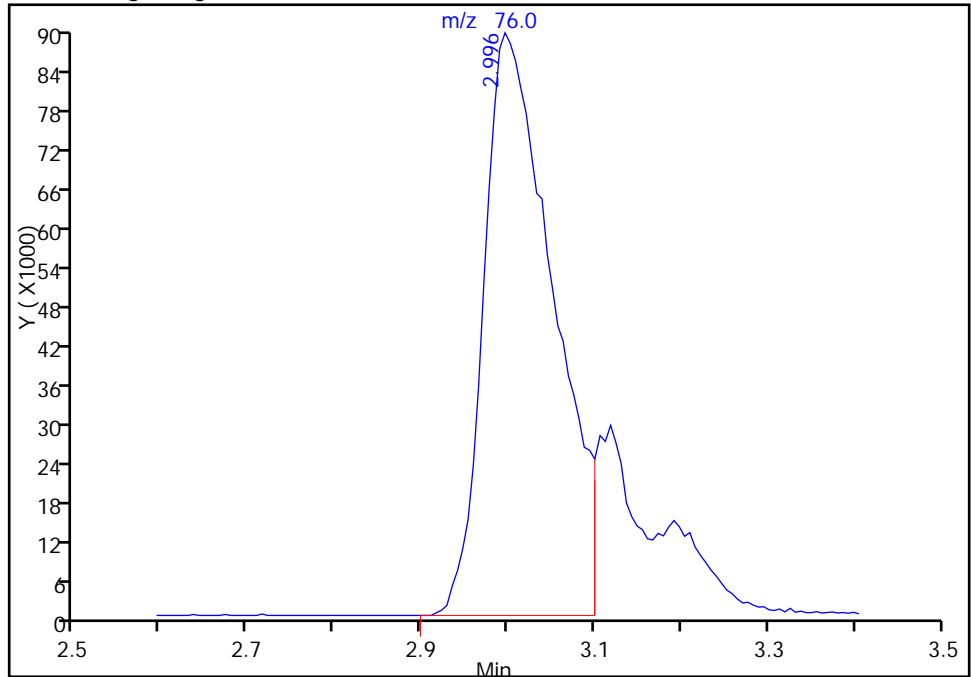
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42394.D
Injection Date: 13-Sep-2015 22:15:30 Instrument ID: HP5973G
Lims ID: ICIS 5
Client ID:
Operator ID: jg ALS Bottle#: 10 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

24 Carbon disulfide, CAS: 75-15-0

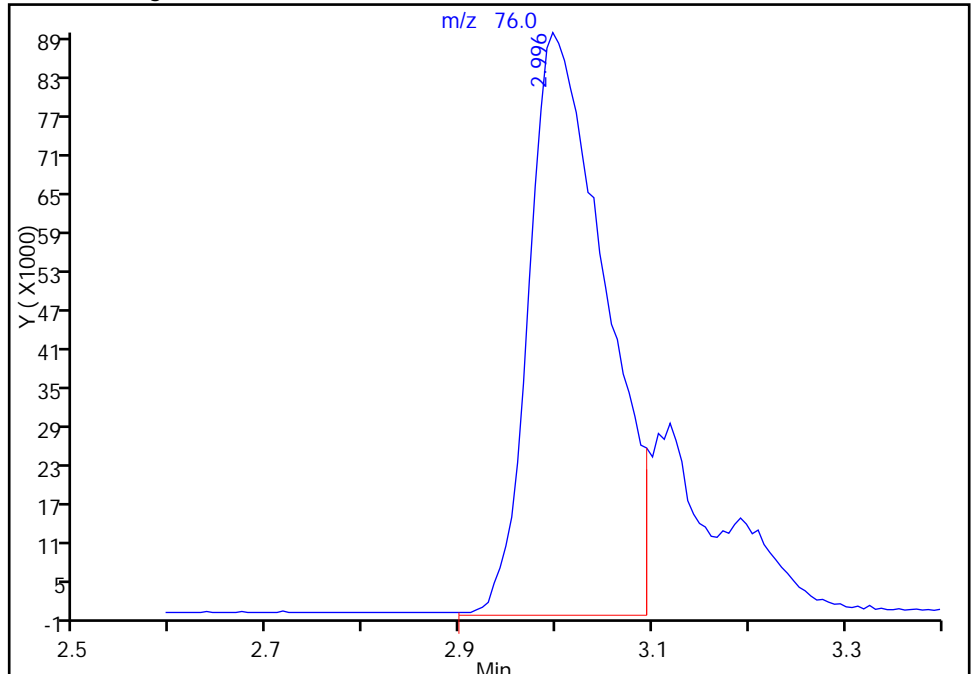
RT: 3.00
Area: 500321
Amount: 25.200316
Amount Units: ug/L

Processing Integration Results



RT: 3.00
Area: 496687
Amount: 25.088432
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:45:31
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

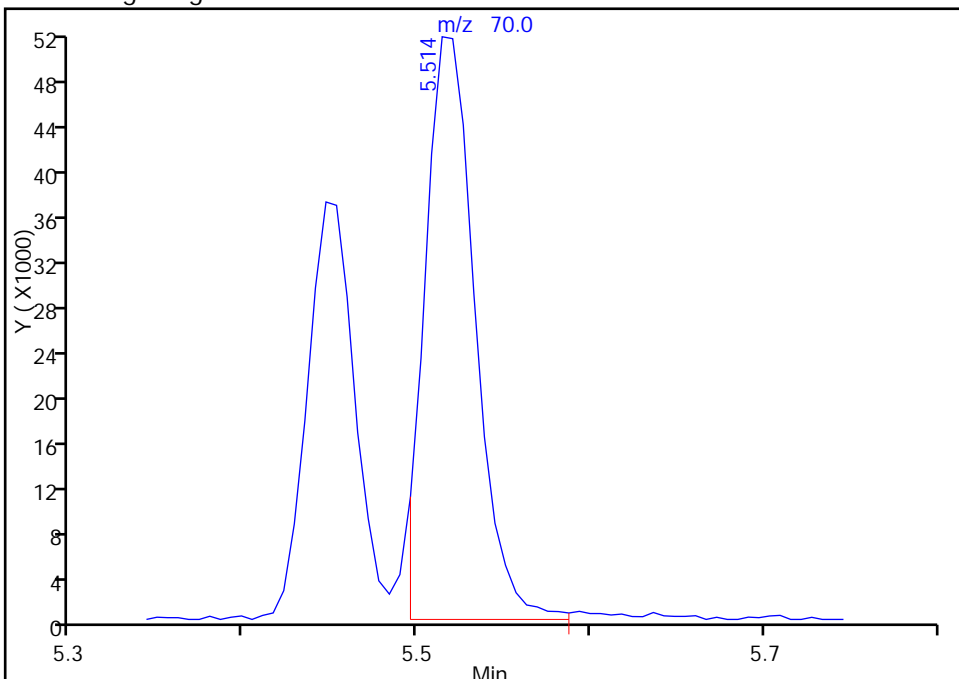
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42394.D
Injection Date: 13-Sep-2015 22:15:30 Instrument ID: HP5973G
Lims ID: ICIS 5
Client ID:
Operator ID: jg ALS Bottle#: 10 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

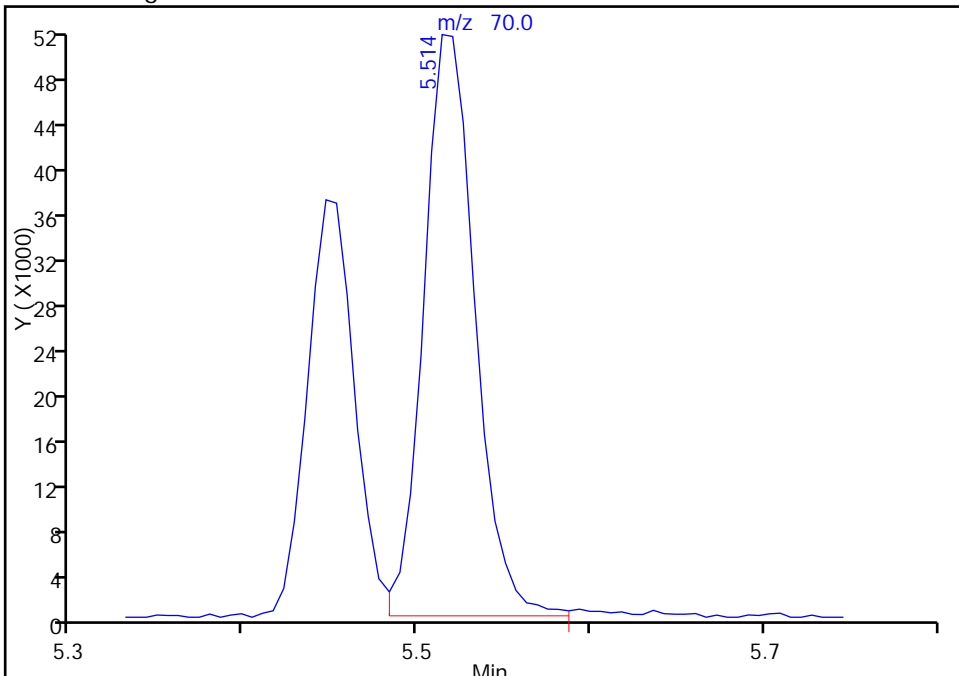
RT: 5.51
Area: 104073
Amount: 25.000000
Amount Units: ug/L

Processing Integration Results



RT: 5.51
Area: 105503
Amount: 25.000000
Amount Units: ug/L

Manual Integration Results



Reviewer: o'briens, 14-Sep-2015 19:17:21
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42395.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 13-Sep-2015 22:37:30 ALS Bottle#: 11 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0046201-009
 Operator ID: jg Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Sep-2015 19:16:50 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: gentilej Date: 14-Sep-2015 10:09:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.514	0.006	99	104235	25.0	25.0	M
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	84	221920	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.897	0.000	93	265595	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.917	4.923	-0.006	46	115882	25.0	25.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	75414	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	92	512443	25.0	25.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.763	9.763	0.000	89	181695	25.0	25.8	
10 Dichlorodifluoromethane	85	1.375	1.369	0.006	98	391800	50.0	50.4	
12 Chloromethane	50	1.527	1.521	0.006	99	557667	50.0	50.9	
13 Vinyl chloride	62	1.649	1.643	0.006	97	439347	50.0	50.7	
144 Butadiene	54	1.661	1.661	0.000	91	468933	50.0	48.2	
14 Bromomethane	94	1.929	1.923	0.006	90	123075	50.0	48.5	
15 Chloroethane	64	2.058	2.058	0.000	98	204835	50.0	53.4	
16 Dichlorofluoromethane	67	2.277	2.265	0.012	97	497264	50.0	50.6	
17 Trichlorofluoromethane	101	2.289	2.295	-0.006	76	467475	50.0	52.0	
18 Ethyl ether	59	2.551	2.551	0.000	97	327764	50.0	49.6	
19 Acrolein	56	2.710	2.716	-0.006	99	259605	250.0	264.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.795	2.789	0.006	64	362930	50.0	57.2	
20 1,1-Dichloroethene	96	2.801	2.801	0.000	94	377135	50.0	50.6	
22 Acetone	43	2.874	2.875	0.000	99	838413	250.0	233.4	
23 Iodomethane	142	2.960	2.960	0.000	96	618556	50.0	50.2	
24 Carbon disulfide	76	2.996	2.996	0.000	100	998952	50.0	51.0	M
26 3-Chloro-1-propene	41	3.118	3.118	0.000	90	248897	50.0	49.1	
28 Methyl acetate	43	3.173	3.173	0.000	100	2472580	250.0	243.8	
29 Methylene Chloride	84	3.313	3.307	0.006	95	377797	50.0	53.4	
30 2-Methyl-2-propanol	59	3.447	3.454	-0.007	100	798002	500.0	522.9	
32 trans-1,2-Dichloroethene	96	3.496	3.496	0.000	96	327180	50.0	47.9	M
31 Methyl tert-butyl ether	73	3.502	3.502	0.000	98	993805	50.0	49.8	
33 Acrylonitrile	53	3.527	3.527	0.000	100	2193604	500.0	505.9	
34 Hexane	57	3.710	3.710	0.000	96	613576	50.0	49.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.905	3.905	0.000	96	610602	50.0	50.9	
38 Vinyl acetate	43	3.966	3.972	-0.006	97	1449837	100.0	113.3	
42 2,2-Dichloropropane	77	4.429	4.429	0.000	94	215928	50.0	49.5	
43 cis-1,2-Dichloroethene	96	4.459	4.460	-0.001	83	330783	50.0	50.7	
44 2-Butanone (MEK)	43	4.502	4.502	0.000	98	1472395	250.0	254.9	
48 Chlorobromomethane	128	4.691	4.691	0.000	93	171931	50.0	51.5	
49 Tetrahydrofuran	42	4.746	4.746	0.000	96	451418	100.0	98.6	
50 Chloroform	85	4.764	4.764	0.000	95	318923	50.0	48.1	
51 1,1,1-Trichloroethane	97	4.898	4.899	0.000	99	412663	50.0	52.0	
52 Cyclohexane	56	4.917	4.923	-0.006	93	869113	50.0	52.9	
53 Carbon tetrachloride	117	5.045	5.045	0.000	97	413976	50.0	54.4	
54 1,1-Dichloropropene	75	5.051	5.051	0.000	93	410606	50.0	50.8	
56 Benzene	78	5.246	5.252	-0.006	97	1220545	50.0	49.4	
55 Isobutyl alcohol	43	5.258	5.264	-0.006	95	1011732	1250.0	1356.7	
57 1,2-Dichloroethane	62	5.301	5.301	0.000	96	443219	50.0	49.8	
59 n-Heptane	43	5.447	5.447	0.000	97	758568	50.0	50.2	
61 Trichloroethene	95	5.862	5.862	0.000	95	315482	50.0	51.9	
62 Methylcyclohexane	83	5.996	5.996	0.000	97	635132	50.0	52.9	
63 1,2-Dichloropropane	63	6.087	6.087	0.000	95	353549	50.0	50.7	
65 Dibromomethane	93	6.221	6.228	-0.007	94	185491	50.0	50.2	
66 1,4-Dioxane	88	6.258	6.264	-0.006	97	95645	1000.0	1120.1	
67 Dichlorobromomethane	83	6.374	6.374	0.000	97	370568	50.0	53.3	
70 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	90	282996	50.0	54.2	
72 cis-1,3-Dichloropropene	75	6.794	6.801	-0.007	92	522009	50.0	52.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.947	6.947	0.000	98	3038438	250.0	255.7	
74 Toluene	92	7.099	7.099	0.000	98	856254	50.0	51.1	
76 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	96	492462	50.0	54.3	
78 Ethyl methacrylate	69	7.428	7.428	0.000	97	514724	50.0	53.6	
79 1,1,2-Trichloroethane	83	7.544	7.550	-0.006	91	238928	50.0	50.4	
80 Tetrachloroethene	166	7.642	7.642	0.000	96	368207	50.0	51.9	
81 1,3-Dichloropropane	76	7.709	7.709	0.000	99	537125	50.0	51.0	
82 2-Hexanone	43	7.788	7.788	0.000	98	2204035	250.0	268.4	
83 Chlorodibromomethane	129	7.947	7.947	0.000	91	338526	50.0	55.5	
84 Ethylene Dibromide	107	8.056	8.050	0.006	97	332855	50.0	52.4	
86 Chlorobenzene	112	8.544	8.544	0.000	95	990007	50.0	51.1	
88 1,1,1,2-Tetrachloroethane	131	8.635	8.636	-0.001	95	337707	50.0	51.8	
89 Ethylbenzene	91	8.642	8.642	0.000	98	1612675	50.0	51.1	
90 m-Xylene & p-Xylene	106	8.764	8.764	0.000	0	694340	50.0	51.6	
91 o-Xylene	106	9.190	9.190	0.000	96	681996	50.0	51.2	
92 Styrene	104	9.215	9.215	0.000	96	1155630	50.0	52.9	
93 Bromoform	173	9.446	9.446	0.000	98	215454	50.0	56.9	
95 Isopropylbenzene	105	9.574	9.574	0.000	95	1754278	50.0	52.5	
97 Bromobenzene	156	9.910	9.910	0.000	92	452604	50.0	52.9	
98 1,1,2,2-Tetrachloroethane	83	9.946	9.946	0.000	92	477785	50.0	51.2	
99 1,2,3-Trichloropropane	110	9.977	9.977	0.000	88	165972	50.0	52.2	
100 trans-1,4-Dichloro-2-buten	53	9.995	9.995	0.000	80	219035	50.0	52.7	
101 N-Propylbenzene	91	9.995	9.995	0.000	98	2008415	50.0	51.7	
102 2-Chlorotoluene	126	10.099	10.099	0.000	97	432408	50.0	51.5	
104 1,3,5-Trimethylbenzene	105	10.178	10.178	0.000	95	1574675	50.0	52.4	
105 4-Chlorotoluene	126	10.208	10.208	0.000	97	458336	50.0	51.7	
106 tert-Butylbenzene	134	10.489	10.489	0.000	92	386945	50.0	51.8	
107 1,2,4-Trimethylbenzene	105	10.544	10.544	0.000	96	1650731	50.0	52.3	

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	10.702	10.702	0.000	93	2059448	50.0	52.5	
110 1,3-Dichlorobenzene	146	10.830	10.830	0.000	99	944530	50.0	51.6	
111 4-Isopropyltoluene	119	10.842	10.842	0.000	97	1883254	50.0	53.0	
113 1,4-Dichlorobenzene	146	10.916	10.916	0.000	96	989463	50.0	50.8	
115 n-Butylbenzene	91	11.226	11.227	-0.001	97	1610676	50.0	53.4	
116 1,2-Dichlorobenzene	146	11.269	11.269	0.000	99	953884	50.0	51.6	
117 1,2-Dibromo-3-Chloropropan	75	11.982	11.982	0.000	87	125015	50.0	56.7	
119 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	95	738428	50.0	52.4	
120 Hexachlorobutadiene	225	12.799	12.799	0.000	97	304293	50.0	54.4	
121 Naphthalene	128	12.885	12.885	0.000	97	2385475	50.0	53.4	
122 1,2,3-Trichlorobenzene	180	13.086	13.086	0.000	97	698983	50.0	53.9	
S 125 1,2-Dichloroethene, Total	1				0			98.6	
S 126 1,3-Dichloropropene, Total	1				0			106.9	
S 123 Total BTEX	1				0			254.4	
S 124 Xylenes, Total	1				0			102.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00049

Amount Added: 25.00

Units: uL

GAS CORP mix_00107

Amount Added: 25.00

Units: uL

G_8260_Surr_00105

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00096

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42395.D

Injection Date: 13-Sep-2015 22:37:30

Instrument ID: HP5973G

Operator ID: jg

Lims ID: IC 6

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

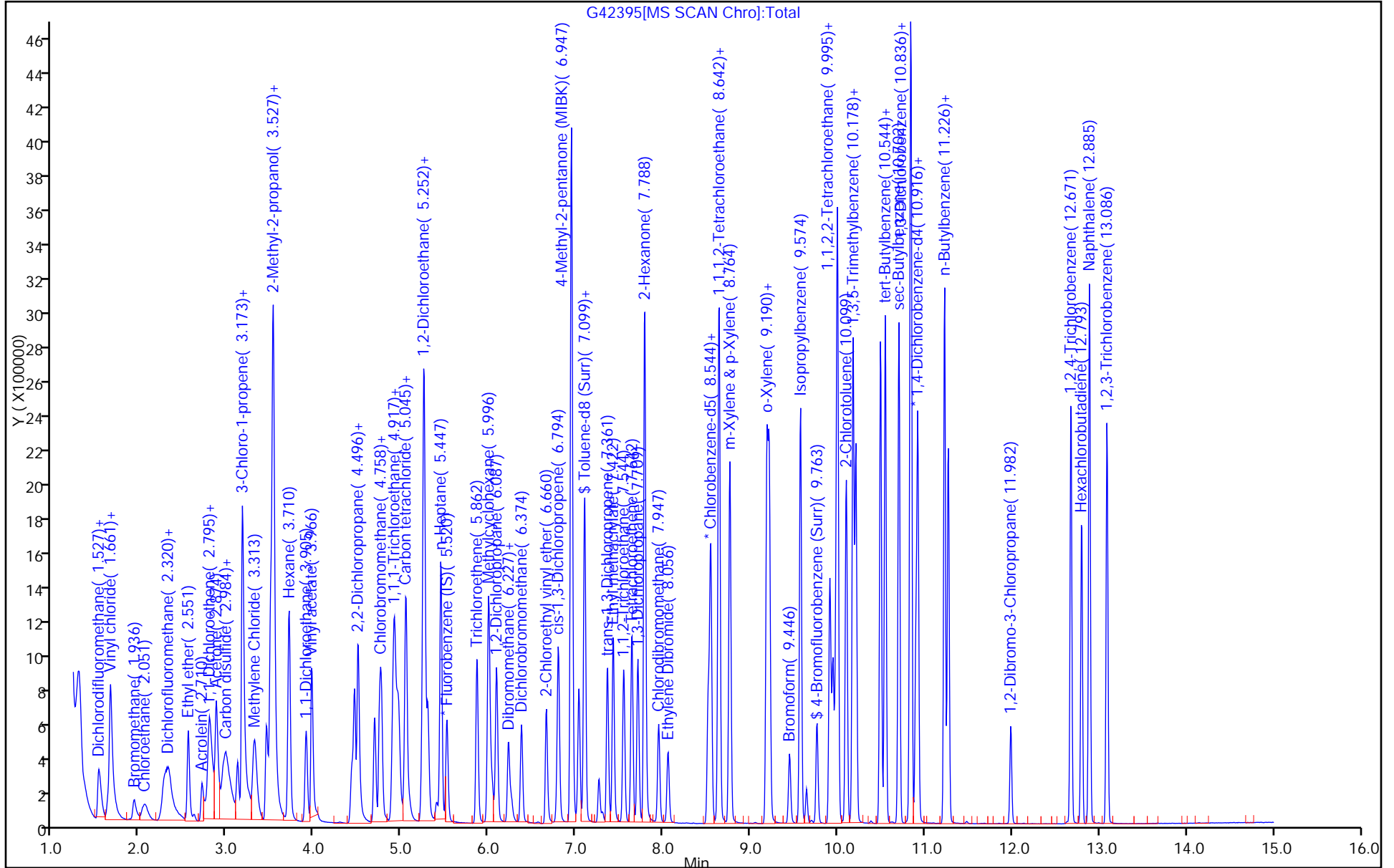
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



G42395[MS SCAN Chro]:Total

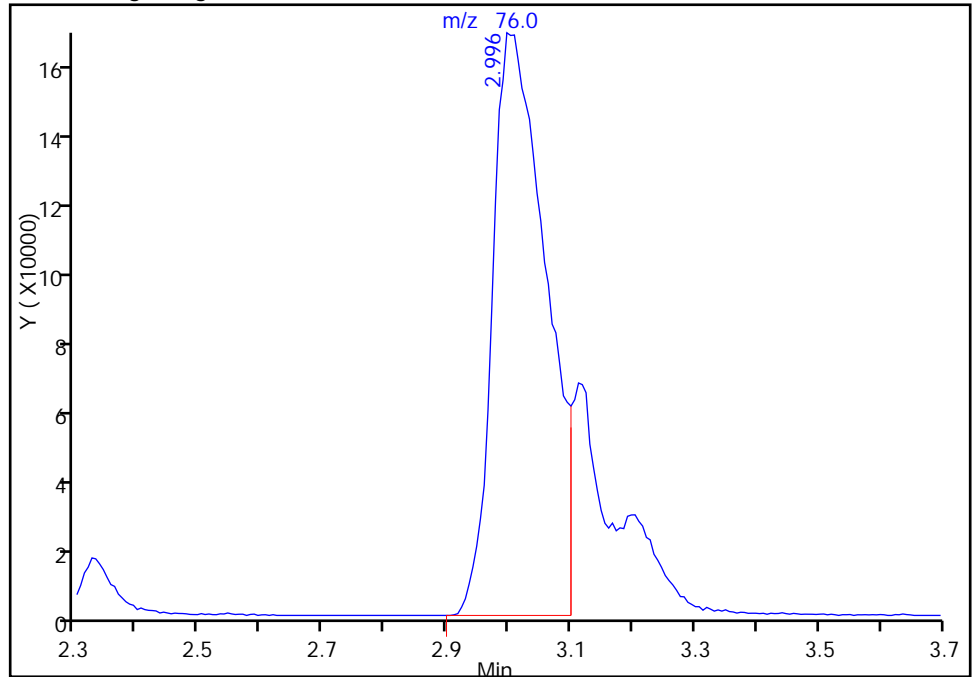
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42395.D
Injection Date: 13-Sep-2015 22:37:30 Instrument ID: HP5973G
Lims ID: IC 6
Client ID:
Operator ID: jg ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

24 Carbon disulfide, CAS: 75-15-0

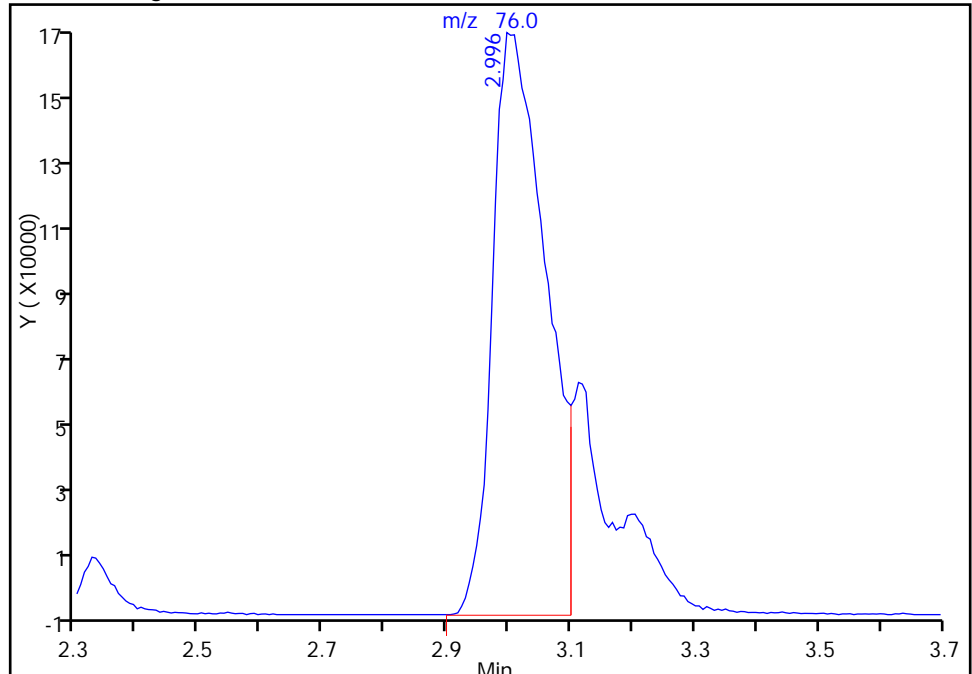
RT: 3.00
Area: 996826
Amount: 8.844072
Amount Units: ug/L

Processing Integration Results



RT: 3.00
Area: 998952
Amount: 50.989129
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:44:10
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

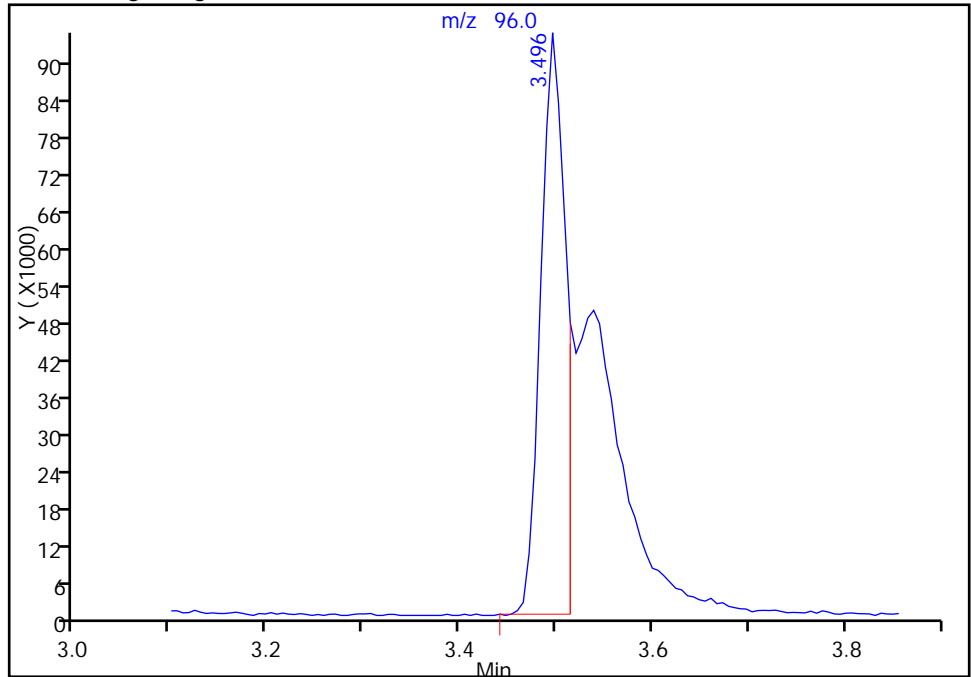
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42395.D
Injection Date: 13-Sep-2015 22:37:30 Instrument ID: HP5973G
Lims ID: IC 6
Client ID:
Operator ID: jg ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

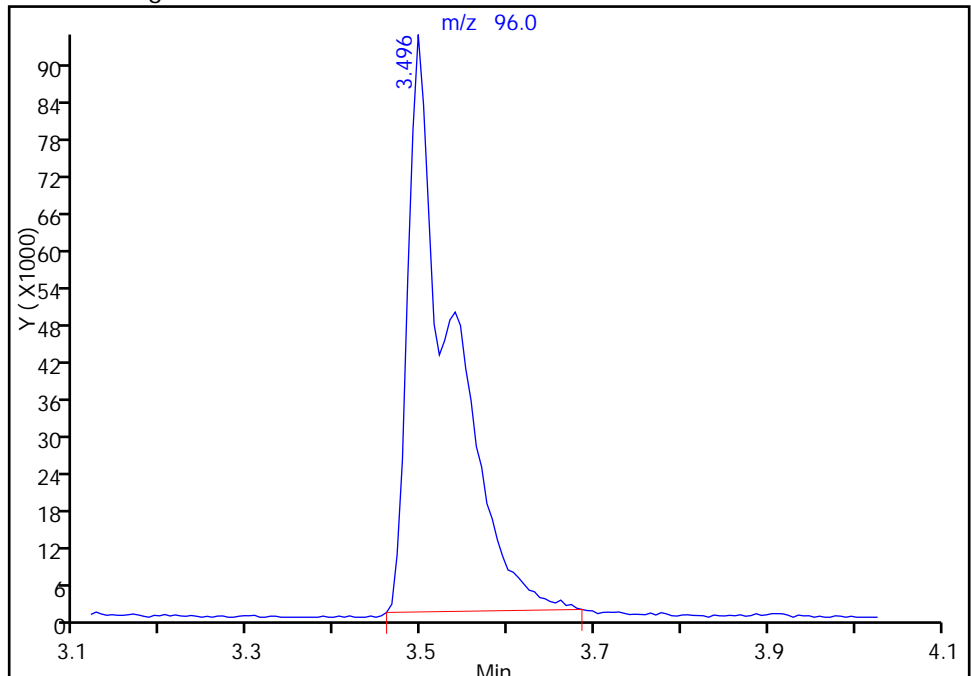
RT: 3.50
Area: 168068
Amount: 27.963917
Amount Units: ug/L

Processing Integration Results



RT: 3.50
Area: 327180
Amount: 47.884723
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:58:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

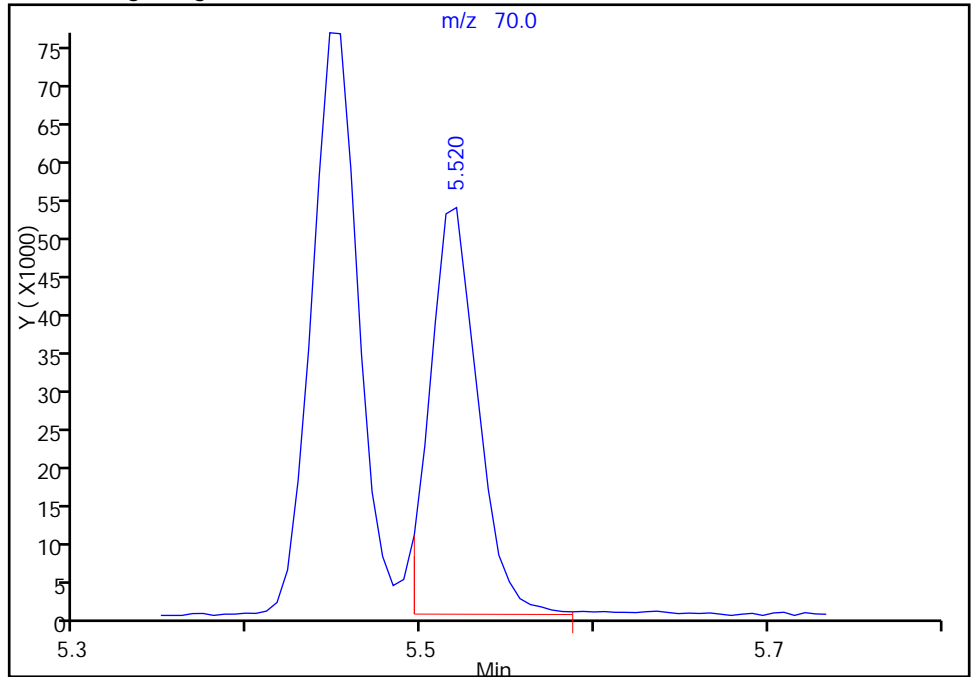
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42395.D
Injection Date: 13-Sep-2015 22:37:30 Instrument ID: HP5973G
Lims ID: IC 6
Client ID:
Operator ID: jg ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

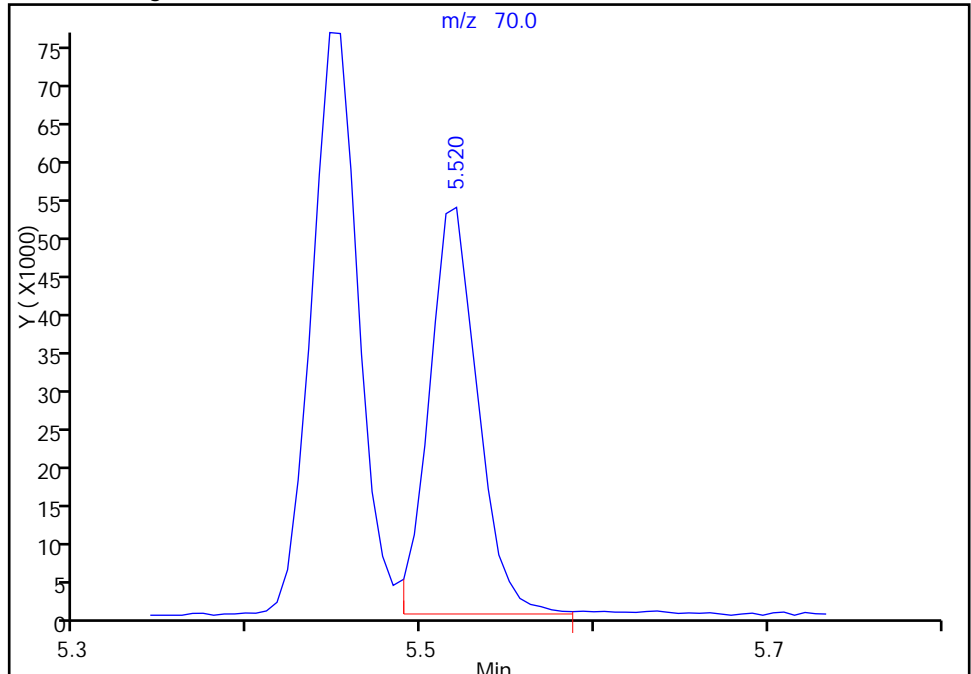
RT: 5.52
Area: 102667
Amount: 25.000000
Amount Units: ug/L

Processing Integration Results



RT: 5.52
Area: 104235
Amount: 25.000000
Amount Units: ug/L

Manual Integration Results



Reviewer: o'briens, 14-Sep-2015 19:16:50
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42396.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 13-Sep-2015 23:00:30 ALS Bottle#: 12 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0046201-010
 Operator ID: jg Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Sep-2015 19:15:35 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: gentilej

Date: 14-Sep-2015 10:10:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.514	0.006	26	116822	25.0	25.0	M
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	84	244860	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.897	0.000	31	300876	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.923	4.923	0.000	35	119965	25.0	23.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	77361	25.0	23.0	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	92	526973	25.0	23.8	
\$ 6 4-Bromofluorobenzene (Surr	174	9.763	9.763	0.000	89	189425	25.0	24.4	
10 Dichlorodifluoromethane	85	1.375	1.369	0.006	99	711930	100.0	81.5	
12 Chloromethane	50	1.533	1.521	0.012	99	1095833	100.0	89.1	
13 Vinyl chloride	62	1.643	1.643	0.000	97	823444	100.0	84.6	
144 Butadiene	54	1.667	1.661	0.006	91	871281	100.0	79.8	
14 Bromomethane	94	1.936	1.923	0.013	89	291639	100.0	102.2	
15 Chloroethane	64	2.064	2.058	0.006	98	409777	100.0	95.1	
16 Dichlorofluoromethane	67	2.283	2.265	0.018	98	1014851	100.0	91.9	
17 Trichlorofluoromethane	101	2.301	2.295	0.006	98	896176	100.0	88.8	
18 Ethyl ether	59	2.551	2.551	0.000	97	648722	100.0	87.4	
19 Acrolein	56	2.710	2.716	-0.006	99	542239	500.0	491.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.801	2.789	0.012	58	664760	100.0	93.2	
20 1,1-Dichloroethene	96	2.807	2.801	0.006	95	748066	100.0	89.3	
22 Acetone	43	2.868	2.875	-0.006	100	1750142	500.0	433.9	
23 Iodomethane	142	2.966	2.960	0.006	96	1214725	100.0	87.7	
24 Carbon disulfide	76	3.002	2.996	0.006	100	1967662	100.0	89.4	
26 3-Chloro-1-propene	41	3.118	3.118	0.000	91	479264	100.0	84.1	
28 Methyl acetate	43	3.173	3.173	0.000	100	4963897	500.0	435.7	
29 Methylene Chloride	84	3.313	3.307	0.006	95	742137	100.0	93.9	
30 2-Methyl-2-propanol	59	3.441	3.454	-0.013	100	1652643	1000.0	964.0	
32 trans-1,2-Dichloroethene	96	3.496	3.496	0.000	94	617721	100.0	80.5	M
31 Methyl tert-butyl ether	73	3.502	3.502	0.000	98	1956680	100.0	87.3	
33 Acrylonitrile	53	3.527	3.527	0.000	100	4405308	1000.0	904.5	
34 Hexane	57	3.710	3.710	0.000	96	1186699	100.0	85.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.905	3.905	0.000	96	1192250	100.0	88.5	
38 Vinyl acetate	43	3.966	3.972	-0.006	97	2957600	200.0	205.8	
42 2,2-Dichloropropane	77	4.429	4.429	0.000	93	420092	100.0	85.8	
43 cis-1,2-Dichloroethene	96	4.459	4.460	-0.001	83	664764	100.0	90.7	
44 2-Butanone (MEK)	43	4.496	4.502	-0.006	98	3069087	500.0	473.0	
48 Chlorobromomethane	128	4.691	4.691	0.000	93	350635	100.0	93.4	
49 Tetrahydrofuran	42	4.740	4.746	-0.006	96	935513	200.0	181.8	
50 Chloroform	85	4.764	4.764	0.000	95	640260	100.0	86.0	
51 1,1,1-Trichloroethane	97	4.898	4.899	0.000	99	792712	100.0	88.9	
52 Cyclohexane	56	4.917	4.923	-0.006	93	1616810	100.0	87.5	
53 Carbon tetrachloride	117	5.045	5.045	0.000	64	800961	100.0	93.7	
54 1,1-Dichloropropene	75	5.051	5.051	0.000	92	804842	100.0	88.7	
56 Benzene	78	5.246	5.252	-0.006	97	2361823	100.0	85.1	
55 Isobutyl alcohol	43	5.258	5.264	-0.006	95	2100994	2500.0	2506.9	
57 1,2-Dichloroethane	62	5.301	5.301	0.000	95	901238	100.0	90.1	
59 n-Heptane	43	5.453	5.447	0.006	97	1408453	100.0	82.9	
61 Trichloroethene	95	5.862	5.862	0.000	94	615845	100.0	90.2	
62 Methylcyclohexane	83	5.996	5.996	0.000	97	1186014	100.0	87.9	
63 1,2-Dichloropropane	63	6.087	6.087	0.000	95	713585	100.0	91.1	
65 Dibromomethane	93	6.221	6.228	-0.007	94	376343	100.0	90.7	
66 1,4-Dioxane	88	6.252	6.264	-0.012	97	181204	2000.0	1923.2	
67 Dichlorobromomethane	83	6.374	6.374	0.000	98	764092	100.0	97.9	
70 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	90	578356	100.0	98.5	
72 cis-1,3-Dichloropropene	75	6.794	6.801	-0.007	92	1067259	100.0	95.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.947	6.947	0.000	97	5908939	500.0	450.6	
74 Toluene	92	7.099	7.099	0.000	98	1689252	100.0	91.4	
76 trans-1,3-Dichloropropene	75	7.361	7.361	0.000	96	1012729	100.0	101.3	
78 Ethyl methacrylate	69	7.422	7.428	-0.006	96	1051744	100.0	99.3	
79 1,1,2-Trichloroethane	83	7.544	7.550	-0.006	91	481103	100.0	92.0	
80 Tetrachloroethene	166	7.642	7.642	0.000	96	717612	100.0	91.7	
81 1,3-Dichloropropane	76	7.709	7.709	0.000	99	1090892	100.0	94.0	
82 2-Hexanone	43	7.788	7.788	0.000	97	4478369	500.0	494.3	
83 Chlorodibromomethane	129	7.947	7.947	0.000	91	706091	100.0	105.0	
84 Ethylene Dibromide	107	8.050	8.050	0.000	98	687512	100.0	98.2	
86 Chlorobenzene	112	8.544	8.544	0.000	95	1978606	100.0	92.6	
88 1,1,1,2-Tetrachloroethane	131	8.635	8.636	-0.001	95	689462	100.0	95.9	
89 Ethylbenzene	91	8.642	8.642	0.000	98	3178655	100.0	91.3	
90 m-Xylene & p-Xylene	106	8.764	8.764	0.000	0	1374060	100.0	92.6	
91 o-Xylene	106	9.190	9.190	0.000	97	1358952	100.0	92.4	
92 Styrene	104	9.215	9.215	0.000	96	2331115	100.0	96.7	
93 Bromoform	173	9.446	9.446	0.000	98	474185	100.0	113.6	
95 Isopropylbenzene	105	9.574	9.574	0.000	95	3442488	100.0	91.0	
97 Bromobenzene	156	9.910	9.910	0.000	93	920095	100.0	94.9	
98 1,1,2,2-Tetrachloroethane	83	9.946	9.946	0.000	94	999923	100.0	94.6	
99 1,2,3-Trichloropropane	110	9.977	9.977	0.000	88	342835	100.0	95.2	
100 trans-1,4-Dichloro-2-buten	53	9.995	9.995	0.000	81	458906	100.0	97.5	
101 N-Propylbenzene	91	10.001	9.995	0.006	98	3934965	100.0	89.5	
102 2-Chlorotoluene	126	10.099	10.099	0.000	97	890291	100.0	93.6	
104 1,3,5-Trimethylbenzene	105	10.178	10.178	0.000	95	3151730	100.0	92.6	
105 4-Chlorotoluene	126	10.208	10.208	0.000	97	929925	100.0	92.6	
106 tert-Butylbenzene	134	10.495	10.489	0.006	92	779485	100.0	92.1	
107 1,2,4-Trimethylbenzene	105	10.544	10.544	0.000	97	3274780	100.0	91.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.702	10.702	0.000	94	4031776	100.0	90.7	
110 1,3-Dichlorobenzene	146	10.830	10.830	0.000	99	1867558	100.0	90.1	
111 4-Isopropyltoluene	119	10.842	10.842	0.000	97	3604872	100.0	89.5	
113 1,4-Dichlorobenzene	146	10.922	10.916	0.006	96	1990962	100.0	90.2	
115 n-Butylbenzene	91	11.226	11.227	-0.001	97	3134171	100.0	91.8	
116 1,2-Dichlorobenzene	146	11.269	11.269	0.000	99	1939495	100.0	92.6	
117 1,2-Dibromo-3-Chloropropan	75	11.982	11.982	0.000	91	256566	100.0	102.8	
119 1,2,4-Trichlorobenzene	180	12.677	12.677	0.000	95	1358683	100.0	85.1	
120 Hexachlorobutadiene	225	12.799	12.799	0.000	97	537677	100.0	84.9	
121 Naphthalene	128	12.885	12.885	0.000	97	4414349	100.0	87.3	
122 1,2,3-Trichlorobenzene	180	13.092	13.086	0.006	97	1278560	100.0	87.0	
S 123 Total BTEX	1				0			452.9	
S 124 Xylenes, Total	1				0			185.0	
S 125 1,2-Dichloroethene, Total	1				0			171.2	
S 126 1,3-Dichloropropene, Total	1				0			196.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00049

Amount Added: 50.00

Units: uL

GAS CORP mix_00107

Amount Added: 50.00

Units: uL

G_8260_Surr_00105

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_IS_00096

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42396.D

Injection Date: 13-Sep-2015 23:00:30

Instrument ID: HP5973G

Operator ID: jg

Lims ID: IC 7

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

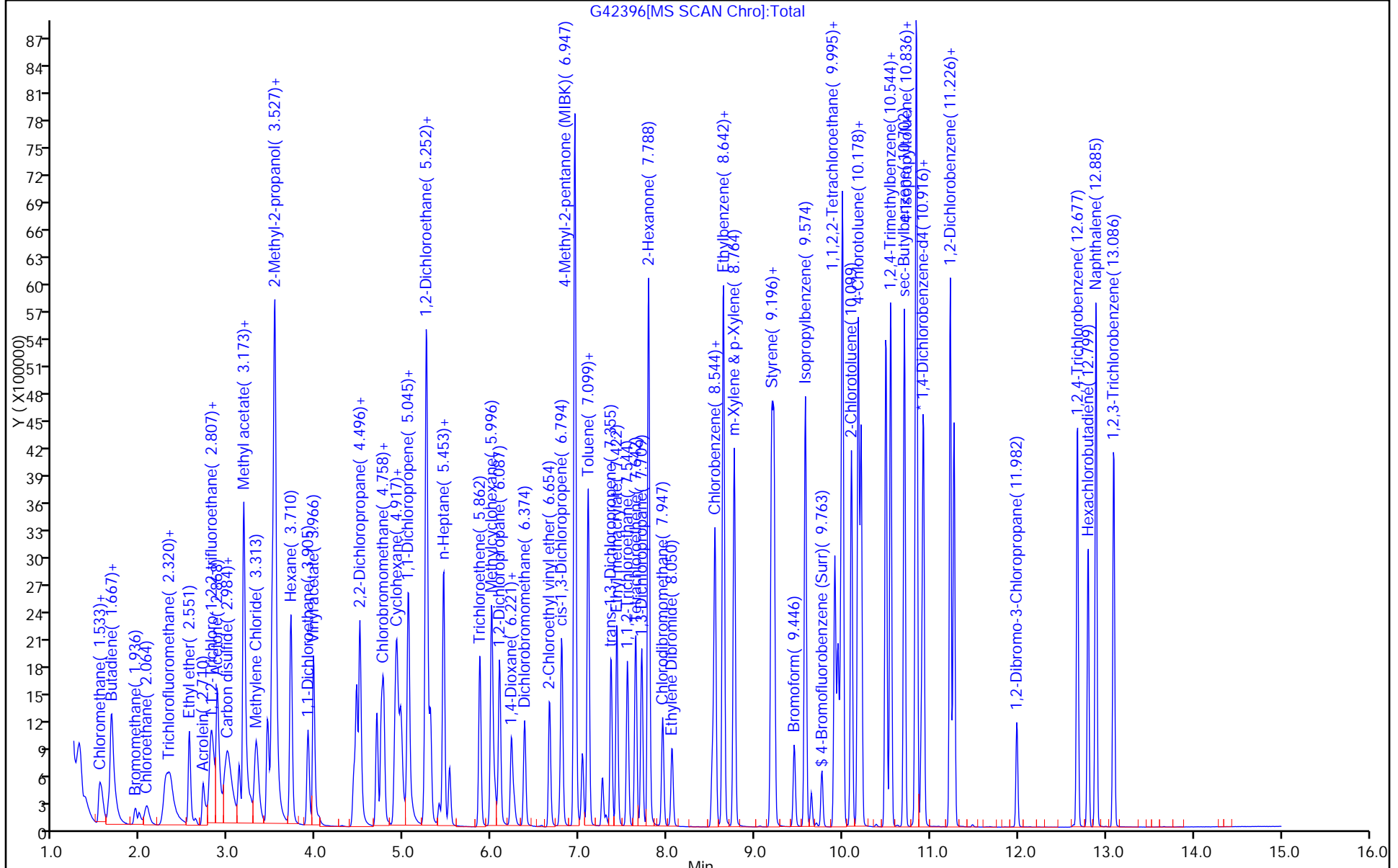
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



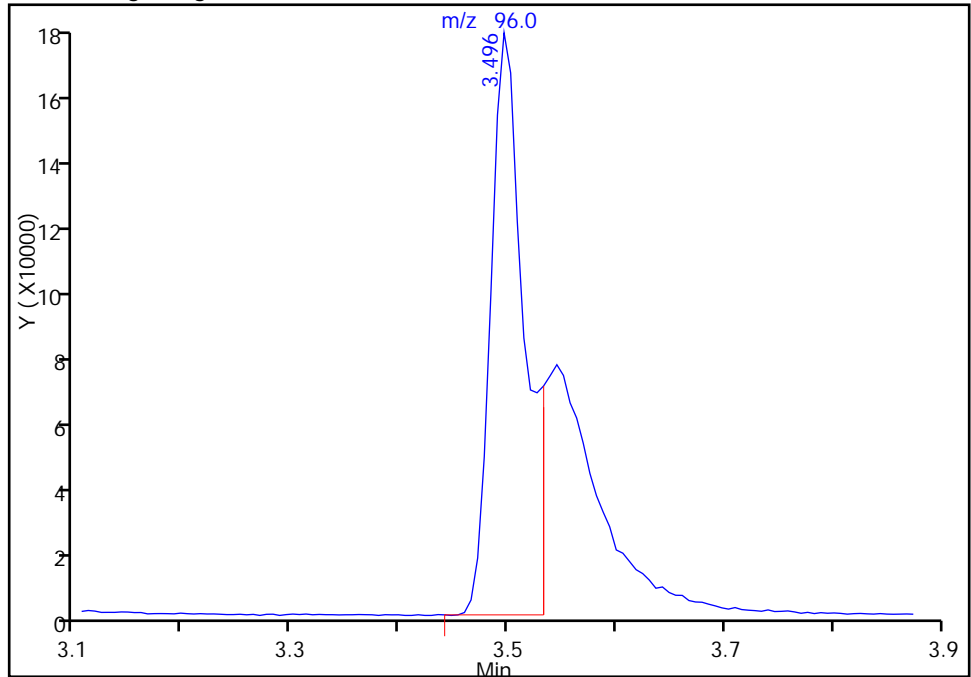
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42396.D
Injection Date: 13-Sep-2015 23:00:30 Instrument ID: HP5973G
Lims ID: IC 7
Client ID:
Operator ID: jg ALS Bottle#: 12 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

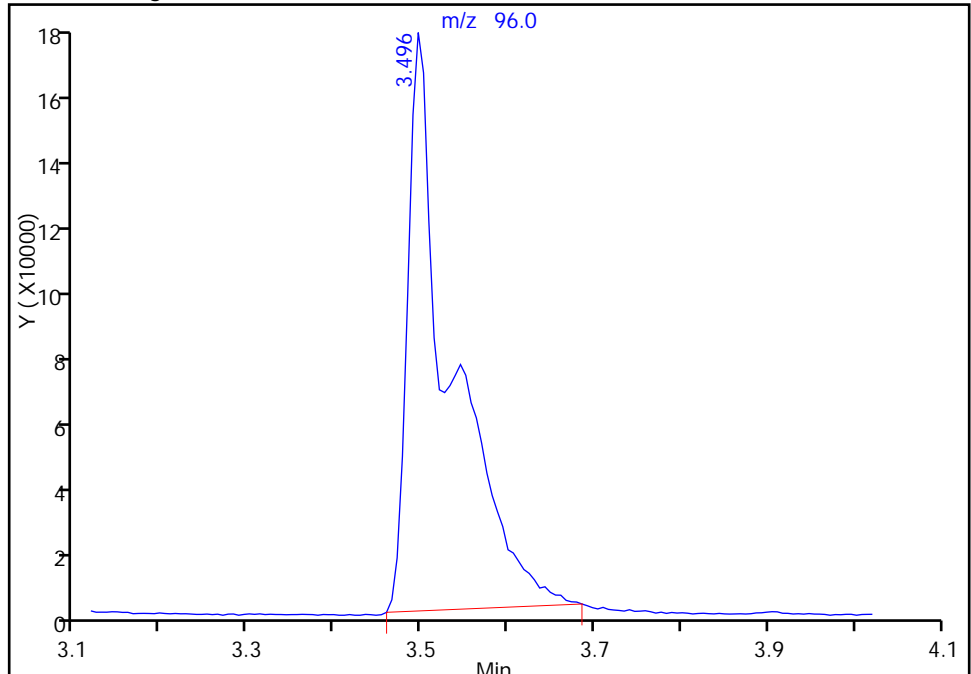
RT: 3.50
Area: 395368
Amount: 62.824751
Amount Units: ug/L

Processing Integration Results



RT: 3.50
Area: 617721
Amount: 80.497986
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 09:58:49
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

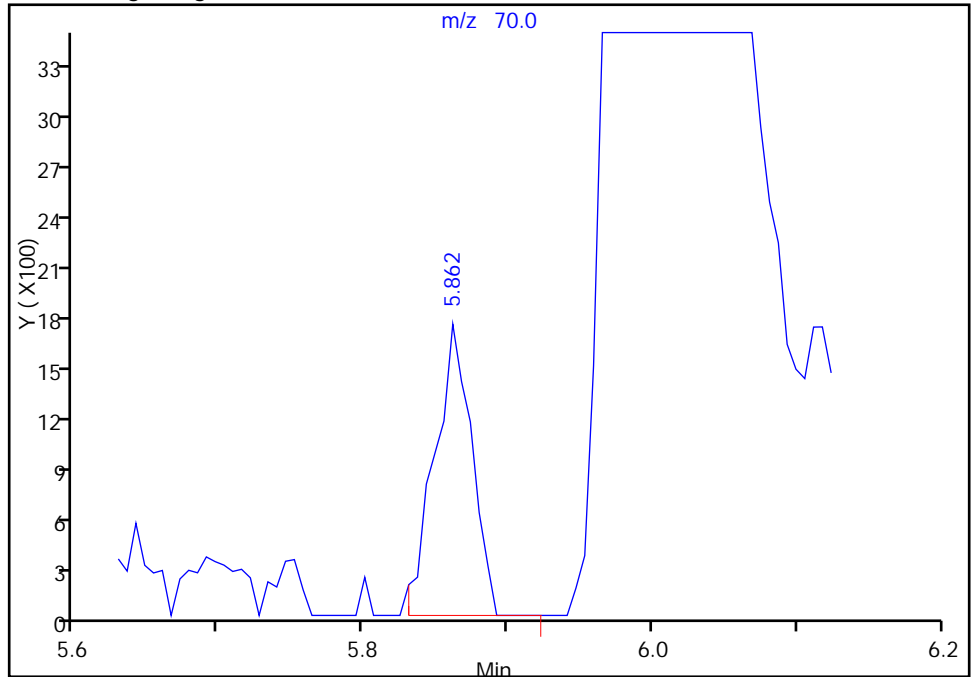
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42396.D
Injection Date: 13-Sep-2015 23:00:30 Instrument ID: HP5973G
Lims ID: IC 7
Client ID:
Operator ID: jg ALS Bottle#: 12 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

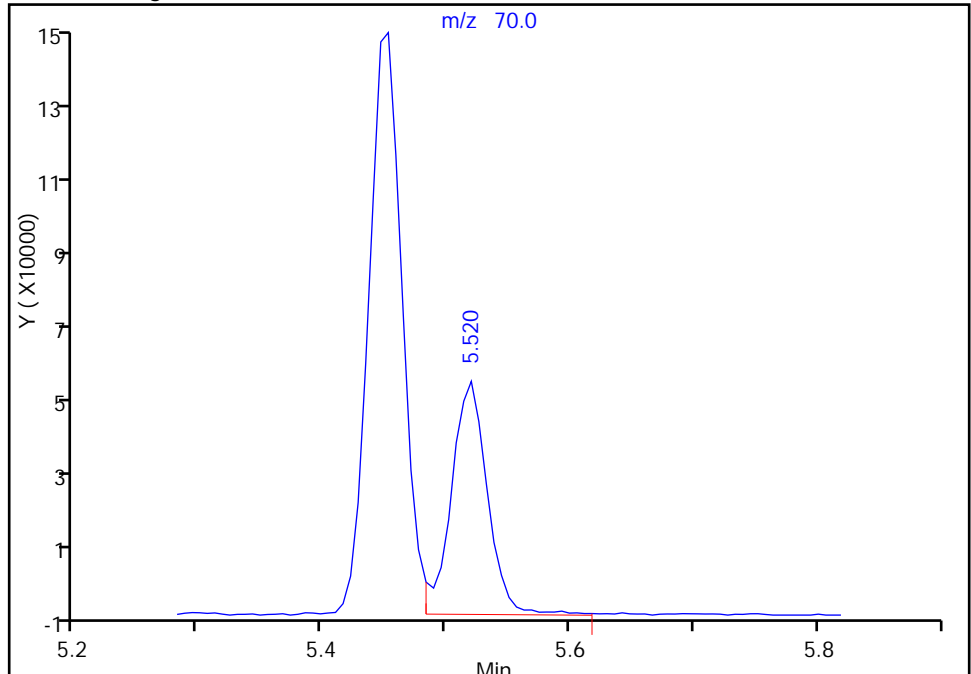
RT: 5.86
Area: 3127
Amount: 25.000000
Amount Units: ug/L

Processing Integration Results



RT: 5.52
Area: 116822
Amount: 25.000000
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 14-Sep-2015 09:39:26
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

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

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1 Analy Batch No.: 263308

SDG No.: _____

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

Calibration Start Date: 09/14/2015 00:30 Calibration End Date: 09/14/2015 02:45 Calibration ID: 24899

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-263308/14	G42400.D
Level 2	IC 480-263308/15	G42401.D
Level 3	IC 480-263308/16	G42402.D
Level 4	IC 480-263308/17	G42403.D
Level 5	IC 480-263308/18	G42404.D
Level 6	IC 480-263308/19	G42405.D
Level 7	IC 480-263308/20	G42406.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Chlorodifluoromethane	++++ 2.2123	1.9895 1.8900	2.2996	1.9721	2.2490	Ave		2.1021			8.2		20.0				
Ethanol	++++ 0.0267	0.0401 ++++	0.0361	0.0286	0.0270	Ave		0.0317			19.1		20.0				
Isopropyl alcohol	0.2671 0.2341	0.2505 0.2100	0.2592	0.2110	0.2281	Ave		0.2372			9.5		20.0				
Acetonitrile	++++ 0.1846	0.1922 0.1699	0.1863	0.1657	0.1718	Ave		0.1784			6.0		20.0				
Isopropyl ether	7.0672 6.9352	6.9037 6.3670	7.2475	6.7077	7.0727	Ave		6.9002			4.2		20.0				
Chloroprene	2.3121 2.6592	2.1013 2.2989	2.7133	2.4032	2.7288	Ave		2.4595			9.9		20.0				
1,1-Dimethoxyethane	0.4316 0.4507	0.4052 0.4247	0.4679	0.4216	0.4565	Ave		0.4369			5.1		20.0				
Tert-butyl ethyl ether	5.7927 5.7008	5.7326 5.3389	6.0113	5.6345	5.8242	Ave		5.7193			3.6		20.0				
Ethyl acetate	3.0456 2.5826	2.1267 2.4211	2.5775	2.4778	2.6148	Ave		2.5495			10.8		20.0				
Propionitrile	0.3670 0.4245	0.3521 0.3851	0.4166	0.3928	0.4215	Ave		0.3942			7.1		20.0				
Methacrylonitrile	1.7449 1.6129	1.5840 1.3949	1.7108	1.6215	1.6815	Ave		1.6215			7.1		20.0				
Isooctane	++++ 8.2820	6.1928 5.9460	8.2299	7.2800	7.8393	Ave		7.2950			14.0		20.0				
t-Amyl alcohol	0.3336 0.3297	0.3276 0.3111	0.3585	0.3229	0.3318	Ave		0.3307			4.3		15.0				
Tert-amyl methyl ether	5.9857 6.1990	6.1374 5.7267	6.5270	6.0218	6.2722	Ave		6.1243			4.1		20.0				

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

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

Lab Name: TestAmerica Buffalo

Job No.: 480-87966-1

Analy Batch No.: 263308

SDG No.: _____

Instrument ID: HP5973G

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

Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2015 00:30

Calibration End Date: 09/14/2015 02:45

Calibration ID: 24899

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
1,4-Difluorobenzene	4.4785 4.5862	4.3088 4.0660	4.7608	4.3621	4.7139	Ave		4.4681			5.5		20.0				
n-Butanol	++++ 0.1014	0.0257 0.0983	0.0640	0.0730	0.0919	Lin1	-2.532	0.0989						0.9970		0.9900	
Ethyl acrylate	++++ 3.2482	1.5927 3.0789	2.7013	2.7943	3.1126	Lin1	-1.729	3.1494						0.9990		0.9900	
Methyl methacrylate	2.3324 2.3327	2.1637 2.1634	2.3879	2.1968	2.3266	Ave		2.2719			4.1		20.0				
2-Nitropropane	++++ 0.2341	0.1569 0.2487	0.1683	0.1715	0.2058	Ave		0.1975			19.2		20.0				
Epichlorohydrin	0.2800 0.2908	0.2289 0.2629	0.2896	0.2531	0.2931	Ave		0.2712			8.9		20.0				
2-Methylthiophene	2.0870 2.1299	2.0132 1.9672	2.1208	2.0885	2.1582	Ave		2.0807			3.3		20.0				
3-Methylthiophene	++++ 2.2233	2.2316 2.0643	2.2725	2.2335	2.2692	Ave		2.2157			3.5		20.0				
n-Butyl acetate	4.6843 3.9921	4.3978 3.7316	3.9933	3.7334	3.8337	Ave		4.0523		0.1000	8.9		20.0				
1-Chlorohexane	++++ 0.8901	1.2788 0.7765	1.0457	0.8523	0.9242	Lin1	0.6197	0.8198						0.9940		0.9900	
3-Chlorobenzotrifluoride	0.7242 0.8773	0.6753 0.7608	0.8891	0.8219	0.8959	Ave		0.8064			10.9		20.0				
4-Chlorobenzotrifluoride	++++ 0.8399	0.7027 0.7323	0.8643	0.7932	0.8551	Ave		0.7979			8.5		20.0				
2-Chlorobenzotrifluoride	0.7696 0.9259	0.7596 0.8331	0.9605	0.8726	0.9441	Ave		0.8665			9.5		20.0				
Cyclohexanone	0.0787 0.0481	0.0591 0.0451	0.0536	0.0451	0.0460	Lin1	0.1636	0.0458						0.9990		0.9900	
3-Chlorotoluene	0.7740 0.8239	0.7537 0.7651	0.8580	0.7931	0.8333	Ave		0.8002			4.9		20.0				
Pentachloroethane	0.2993 0.3157	0.2668 0.3012	0.3122	0.2870	0.3121	Ave		0.2992			5.8		20.0				
Dicyclopentadiene	3.7253 3.3510	3.2819 2.9814	3.5678	3.2439	3.4335	Ave		3.3692			7.1		20.0				
1,2,3-Trimethylbenzene	2.8213 3.0415	2.9499 2.8040	3.2628	3.0990	3.1802	Ave		3.0227			5.8		20.0				
Benzyl chloride	0.3745 0.4844	0.3360 0.4790	0.4411	0.4508	0.4896	Ave		0.4365			13.6		20.0				
1,3,5-Trichlorobenzene	1.3048 1.3083	1.2449 1.1920	1.3917	1.2691	1.3461	Ave		1.2939			5.1		20.0				

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1 Analy Batch No.: 263308

SDG No.: _____

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

Calibration Start Date: 09/14/2015 00:30 Calibration End Date: 09/14/2015 02:45 Calibration ID: 24899

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
2-Methylnaphthalene	2.0344	2.0999	2.4336	2.2152	2.4533	Ave		2.2592			7.9		20.0				
	2.4394	2.1387															

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1 Analy Batch No.: 263308

SDG No.: _____

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

Calibration Start Date: 09/14/2015 00:30 Calibration End Date: 09/14/2015 02:45 Calibration ID: 24899

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-263308/14	G42400.D
Level 2	IC 480-263308/15	G42401.D
Level 3	IC 480-263308/16	G42402.D
Level 4	IC 480-263308/17	G42403.D
Level 5	IC 480-263308/18	G42404.D
Level 6	IC 480-263308/19	G42405.D
Level 7	IC 480-263308/20	G42406.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7				LVL 6	LVL 7			
Chlorodifluoromethane	FB	Ave	++++ 491838	8074 871258	47776	88146	249204	++++ 50.0	1.00 100	5.00	10.0	25.0
Ethanol	FB	Ave	++++ 237336	6506 ++++	30023	51132	119551	++++ 2000	40.0 ++++	200	400	1000
Isopropyl alcohol	FB	Ave	5466 520483	10167 968232	53860	94323	252699	5.00 500	10.0 1000	50.0	100	250
Acetonitrile	FB	Ave	++++ 410490	7800 783349	38713	74056	190332	++++ 500	10.0 1000	50.0	100	250
Isopropyl ether	FB	Ave	14461 1541803	28018 2935067	150576	299810	783691	0.500 50.0	1.00 100	5.00	10.0	25.0
Chloroprene	FB	Ave	4731 591182	8528 1059726	56372	107413	302368	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1-Dimethoxyethane	FB	Ave	4416 500999	8222 978805	48609	94229	252934	2.50 250	5.00 500	25.0	50.0	125
Tert-butyl ethyl ether	FB	Ave	11853 1267384	23265 2461117	124891	251840	645354	0.500 50.0	1.00 100	5.00	10.0	25.0
Ethyl acetate	FB	Ave	12464 1148317	17262 2232179	107101	221494	579467	1.00 100	2.00 200	10.0	20.0	50.0
Propionitrile	FB	Ave	7509 943704	14291 1775408	86557	175552	467024	5.00 500	10.0 1000	50.0	100	250
Methacrylonitrile	FB	Ave	35705 3585763	64285 6430320	355448	724758	1863146	5.00 500	10.0 1000	50.0	100	250
Isooctane	FB	Ave	++++ 1841213	25133 2740996	170987	325392	868636	++++ 50.0	1.00 100	5.00	10.0	25.0
t-Amyl alcohol	FB	Ave	6826 733024	13295 1434175	74475	144342	367624	5.00 500	10.0 1000	50.0	100	250
Tert-amyl methyl ether	FB	Ave	12248 1378132	24908 2639906	135607	269152	694986	0.500 50.0	1.00 100	5.00	10.0	25.0
1,4-Difluorobenzene	FB	Ave	9164 1019590	17487 1874337	98912	194971	522328	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo

Job No.: 480-87966-1

Analy Batch No.: 263308

SDG No.: _____

Instrument ID: HP5973G

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

Heated Purge: (Y/N) N

Calibration Start Date: 09/14/2015 00:30

Calibration End Date: 09/14/2015 02:45

Calibration ID: 24899

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
n-Butanol	FB	Lin1	++++ 563845	2608 1132535	33254	81558	254544	++++ 1250	25.0 2500	125	250	625
Ethyl acrylate	FB	Lin1	++++ 722117	6464 1419331	56122	124894	344889	++++ 50.0	1.00 100	5.00	10.0	25.0
Methyl methacrylate	FB	Ave	9545 1037202	17562 1994614	99222	196375	515606	1.00 100	2.00 200	10.0	20.0	50.0
2-Nitropropane	DCB	Ave	++++ 265097	3382 569658	18152	38696	117360	++++ 100	2.00 200	10.0	20.0	50.0
Epichlorohydrin	FB	Ave	5729 646499	9289 1211927	60173	113136	324809	5.00 500	10.0 1000	50.0	100	250
2-Methylthiophene	DCB	Ave	10996 1205838	21696 2253327	114392	235687	615519	0.500 50.0	1.00 100	5.00	10.0	25.0
3-Methylthiophene	DCB	Ave	++++ 1258722	24050 2364517	122573	252045	647154	++++ 50.0	1.00 100	5.00	10.0	25.0
n-Butyl acetate	FB	Ave	9585 887508	17848 1720197	82965	166870	424796	0.500 50.0	1.00 100	5.00	10.0	25.0
1-Chlorohexane	CBZ	Lin1	++++ 422291	11338 734264	46787	79572	218353	++++ 50.0	1.00 100	5.00	10.0	25.0
3-Chlorobenzotrifluoride	DCB	Ave	3816 496700	7278 871506	47955	92751	255517	0.500 50.0	1.00 100	5.00	10.0	25.0
4-Chlorobenzotrifluoride	DCB	Ave	++++ 475493	7573 838766	46619	89513	243860	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chlorobenzotrifluoride	DCB	Ave	4055 524200	8186 954247	51805	98471	269255	0.500 50.0	1.00 100	5.00	10.0	25.0
Cyclohexanone	DCB	Lin1	4148 272205	6368 517126	28913	50925	131297	5.00 500	10.0 1000	50.0	100	250
3-Chlorotoluene	DCB	Ave	4078 466427	8123 876368	46276	89504	237660	0.500 50.0	1.00 100	5.00	10.0	25.0
Pentachloroethane	DCB	Ave	1577 178720	2875 345051	16842	32389	89017	0.500 50.0	1.00 100	5.00	10.0	25.0
Dicyclopentadiene	DCB	Ave	19628 1897136	35368 3415016	192440	366072	979227	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trimethylbenzene	DCB	Ave	14865 1721949	31791 3211819	175990	349722	906987	0.500 50.0	1.00 100	5.00	10.0	25.0
Benzyl chloride	CBZ	Ave	1637 229807	2979 452885	19735	42082	115667	0.500 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trichlorobenzene	DCB	Ave	6875 740676	13416 1365376	75067	143217	383914	0.500 50.0	1.00 100	5.00	10.0	25.0
2-Methylnaphthalene	DCB	Ave	10719 1381052	22630 2449787	131261	249979	699667	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1 Analy Batch No.: 263308

SDG No.: _____

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

Calibration Start Date: 09/14/2015 00:30 Calibration End Date: 09/14/2015 02:45 Calibration ID: 24899

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42400.D
 Lims ID: IC 8
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 14-Sep-2015 00:30:30 ALS Bottle#: 16 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 8
 Misc. Info.: 480-0046201-014
 Operator ID: jg Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub22
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Sep-2015 02:53:32 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK019

First Level Reviewer: gentilej

Date: 14-Sep-2015 11:01:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.514	5.514	0.000	99	102310	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	85	218551	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.897	0.000	95	263445	25.0	25.0	
11 Chlorodifluoromethane	51	1.424	1.411	0.013	19	3410	0.5000	0.3964	M
141 Ethanol	45	2.588	2.570	0.018	48	4697	20.0	36.2	M
68 Propene oxide	58	2.625	2.631	-0.005	96	7241	NC	NC	
25 Isopropyl alcohol	45	3.106	3.082	0.024	47	5466	5.00	5.63	
27 Acetonitrile	40	3.204	3.167	0.037	96	5103	5.00	6.99	
37 Isopropyl ether	45	3.954	3.953	0.001	98	14461	0.5000	0.5121	
39 2-Chloro-1,3-butadiene	53	3.978	3.972	0.006	49	4731	0.5000	0.4700	
40 1,1-Dimethoxyethane	75	4.045	4.020	0.025	98	4416	2.50	2.47	
41 Tert-butyl ethyl ether	59	4.295	4.289	0.006	86	11853	0.5000	0.5064	
45 Ethyl acetate	43	4.581	4.545	0.036	58	12464	1.00	1.19	
46 Propionitrile	54	4.624	4.581	0.043	41	7509	5.00	4.65	M
47 Methacrylonitrile	41	4.709	4.697	0.012	96	35705	5.00	5.38	
146 Isooctane	57	5.319	5.307	0.012	70	12314	0.5000	0.4125	
140 t-Amyl alcohol	59	5.343	5.331	0.012	61	6826	5.00	5.04	
58 Tert-amyl methyl ether	73	5.356	5.349	0.007	88	12248	0.5000	0.4887	
1 1,4-Difluorobenzene	114	5.636	5.630	0.006	94	9164	0.5000	0.5012	
60 n-Butanol	56		5.892				ND	ND	
145 Ethyl acrylate	55		5.990				ND	ND	
64 Methyl methacrylate	41	6.227	6.203	0.024	96	9545	1.00	1.04	
69 2-Nitropropane	43	6.612	6.611	0.001	56	4208	1.00	2.02	
71 Epichlorohydrin	57	6.782	6.746	0.036	17	5729	5.00	5.16	M
75 2-Methylthiophene	97	7.239	7.233	0.006	93	10996	0.5000	0.5015	
77 3-Methylthiophene	97	7.404	7.398	0.006	99	13824	0.5000	0.5921	
149 n-Butyl acetate	43	7.934	7.910	0.024	59	9585	0.5000	0.5780	M
139 1-Chlorohexane	55	8.508	8.495	0.013	35	9044	0.5000	0.5060	
85 3-Chlorobenzotrifluoride	180	8.514	8.514	0.000	53	3816	0.5000	0.4491	
87 4-Chlorobenzotrifluoride	180	8.575	8.574	0.001	90	3663	0.5000	0.4356	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.495	9.489	0.006	91	4055	0.5000	0.4441	
96 Cyclohexanone	55	9.745	9.727	0.018	36	4148	5.00	5.02	
103 3-Chlorotoluene	126	10.166	10.160	0.006	96	4078	0.5000	0.4836	
108 Pentachloroethane	167	10.544	10.544	0.000	83	1577	0.5000	0.5002	
112 Dicyclopentadiene	66	10.909	10.909	0.000	92	19628	0.5000	0.5528	
114 1,2,3-Trimethylbenzene	105	10.952	10.952	0.000	5	14865	0.5000	0.4667	
143 Benzyl chloride	126	11.062	11.056	0.006	97	1637	0.5000	0.4290	
118 1,3,5-Trichlorobenzene	180	12.135	12.135	0.000	97	6875	0.5000	0.5042	
142 2-Methylnaphthalene	142	13.805	13.799	0.006	62	10719	0.5000	0.4502	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

2MTP_WRK_00046	Amount Added: 0.50	Units: uL
3MTP_WRK_00048	Amount Added: 0.50	Units: uL
ADD CORP mix_00034	Amount Added: 0.50	Units: uL
G_8260_IS_00096	Amount Added: 1.00	Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42400.D

Injection Date: 14-Sep-2015 00:30:30

Instrument ID: HP5973G

Operator ID: jg

Lims ID: IC 8

Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL

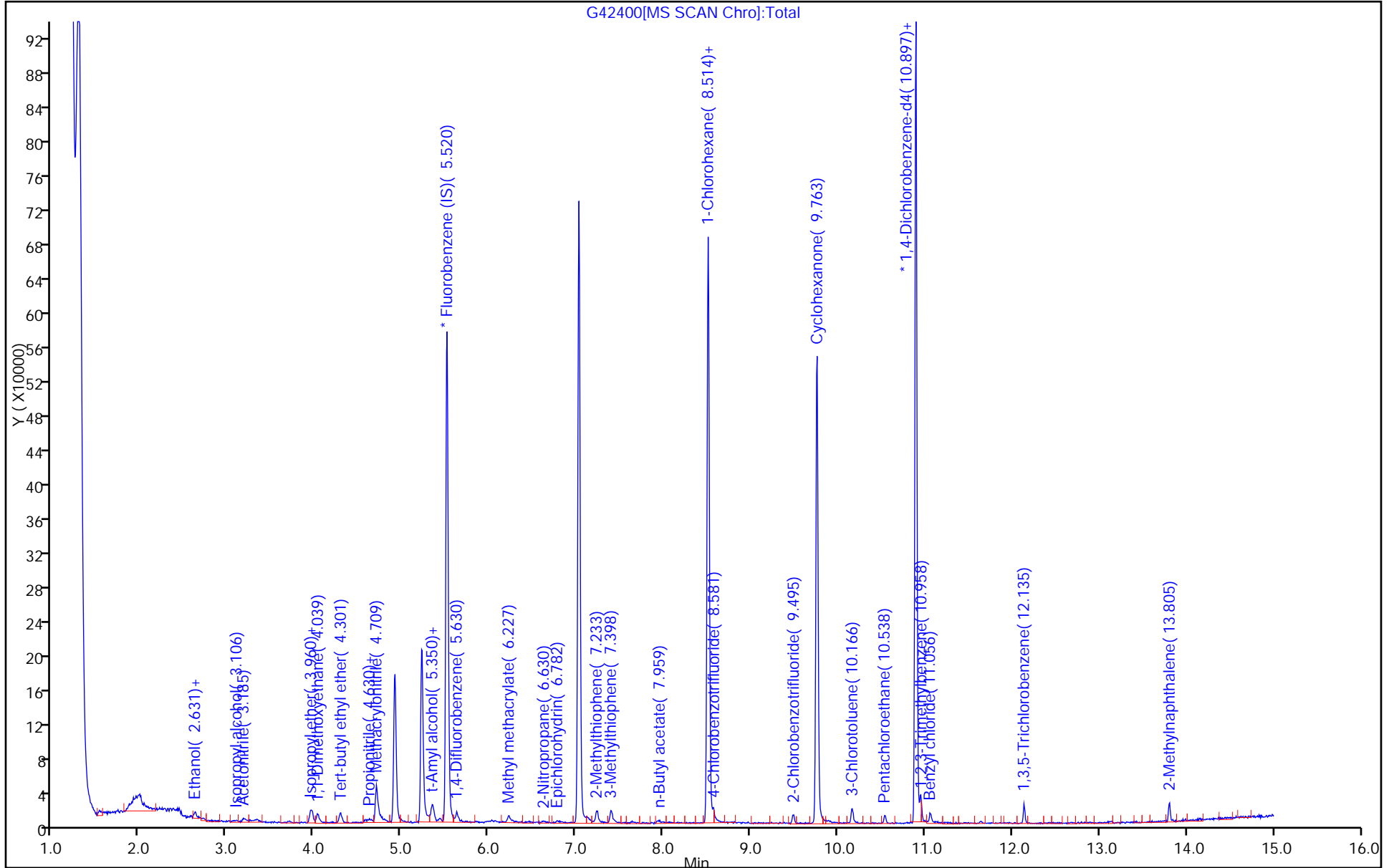
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



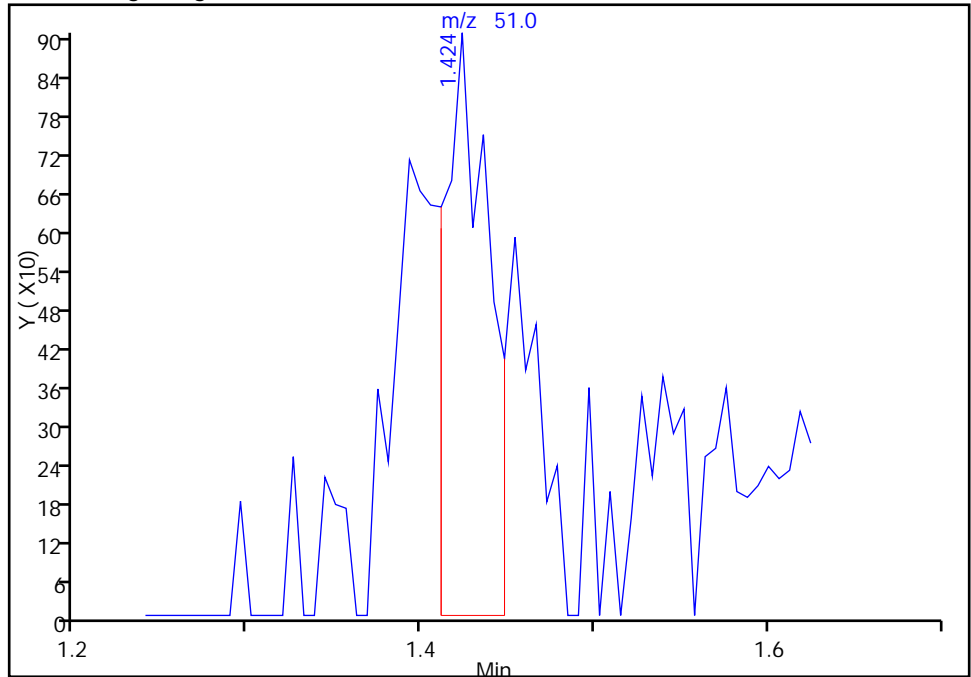
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42400.D
Injection Date: 14-Sep-2015 00:30:30 Instrument ID: HP5973G
Lims ID: IC 8
Client ID:
Operator ID: jg ALS Bottle#: 16 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

11 Chlorodifluoromethane, CAS: 75-45-6

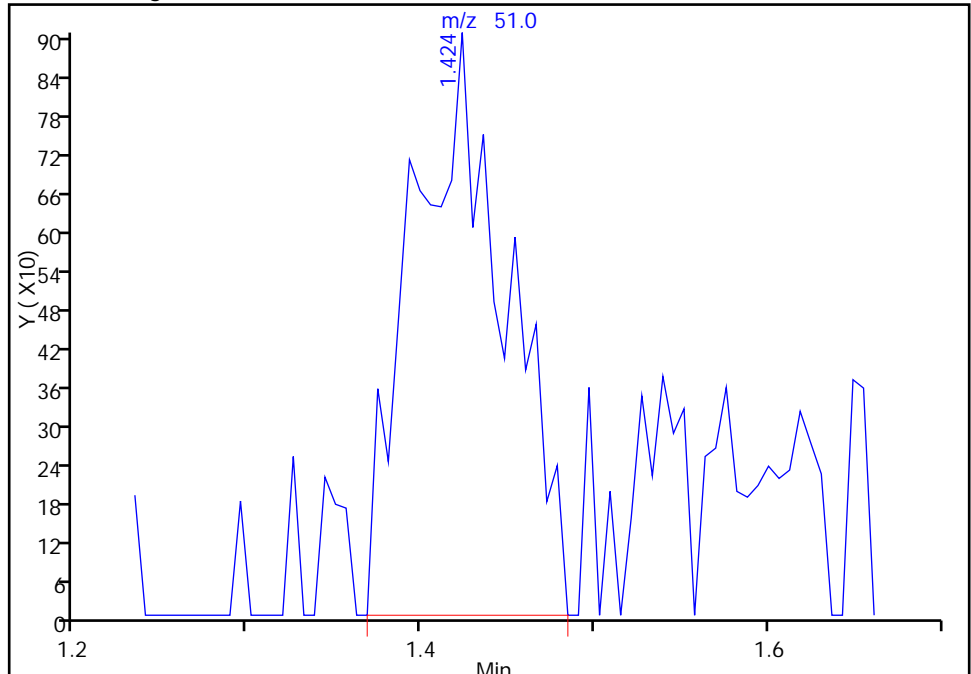
RT: 1.42
Area: 1624
Amount: 0.324566
Amount Units: ug/L

Processing Integration Results



RT: 1.42
Area: 3410
Amount: 0.396394
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 11:02:24
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

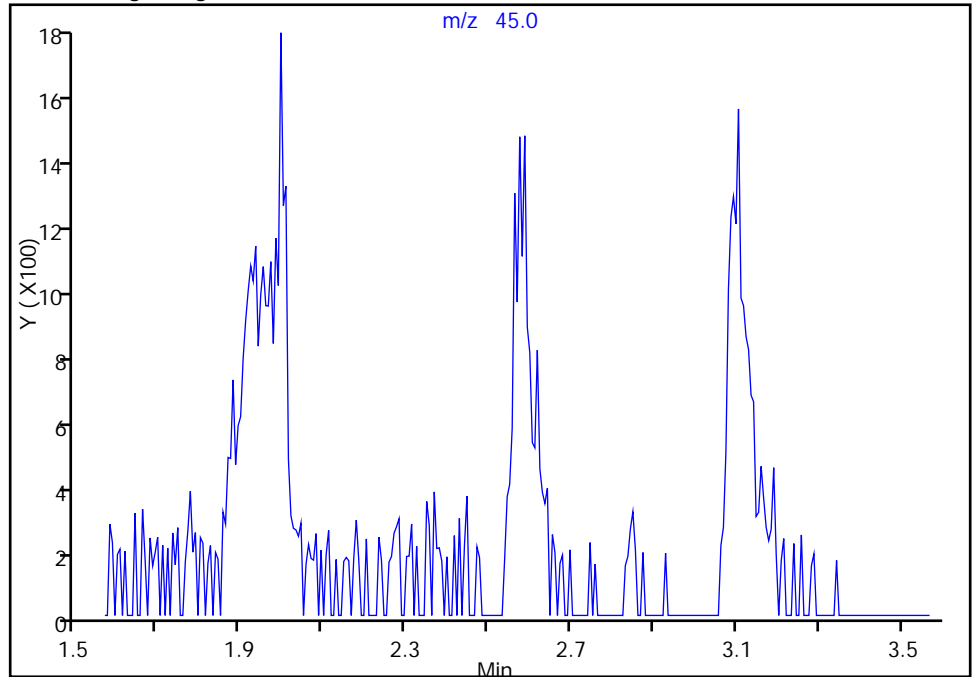
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42400.D
Injection Date: 14-Sep-2015 00:30:30 Instrument ID: HP5973G
Lims ID: IC 8
Client ID:
Operator ID: jg ALS Bottle#: 16 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

141 Ethanol, CAS: 64-17-5

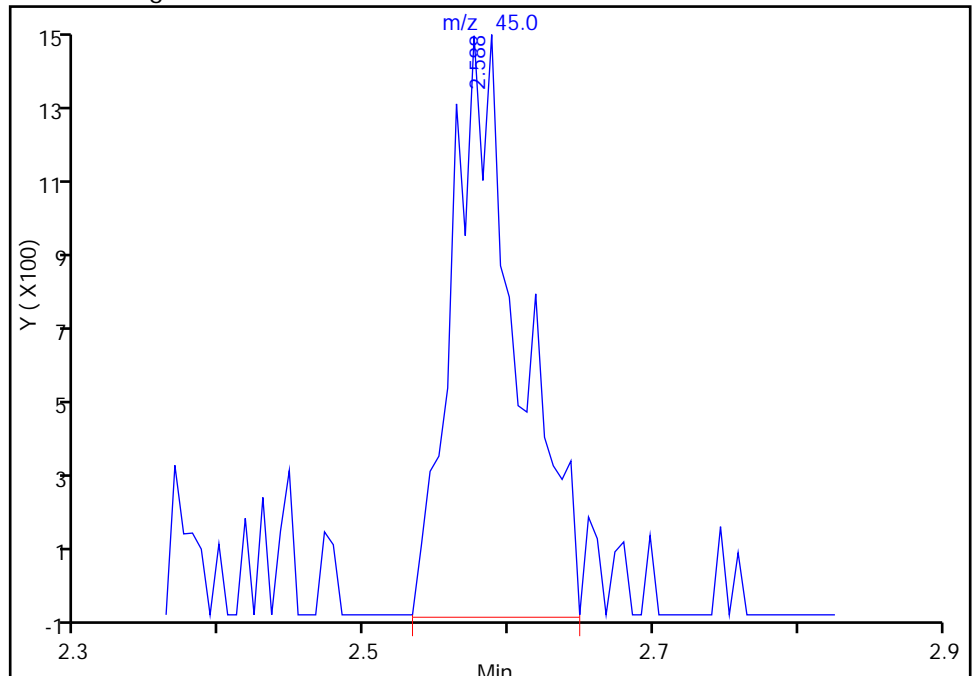
Not Detected
Expected RT: 2.57

Processing Integration Results



Manual Integration Results

RT: 2.59
Area: 4697
Amount: 36.213994
Amount Units: ug/L



Reviewer: HillL, 14-Sep-2015 16:22:57
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

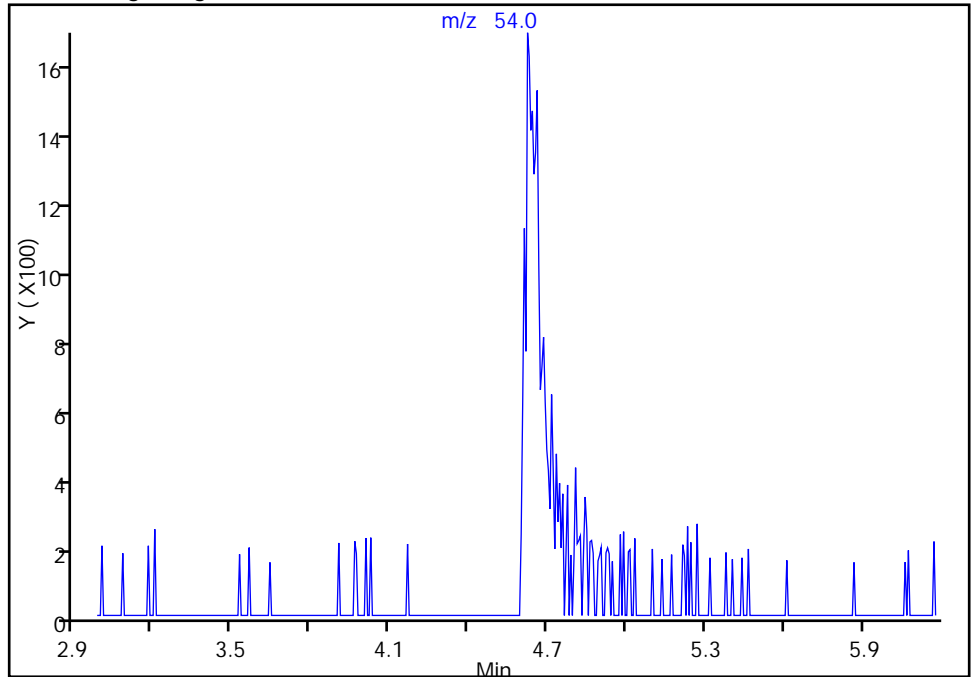
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42400.D
Injection Date: 14-Sep-2015 00:30:30 Instrument ID: HP5973G
Lims ID: IC 8
Client ID:
Operator ID: jg ALS Bottle#: 16 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

46 Propionitrile, CAS: 107-12-0

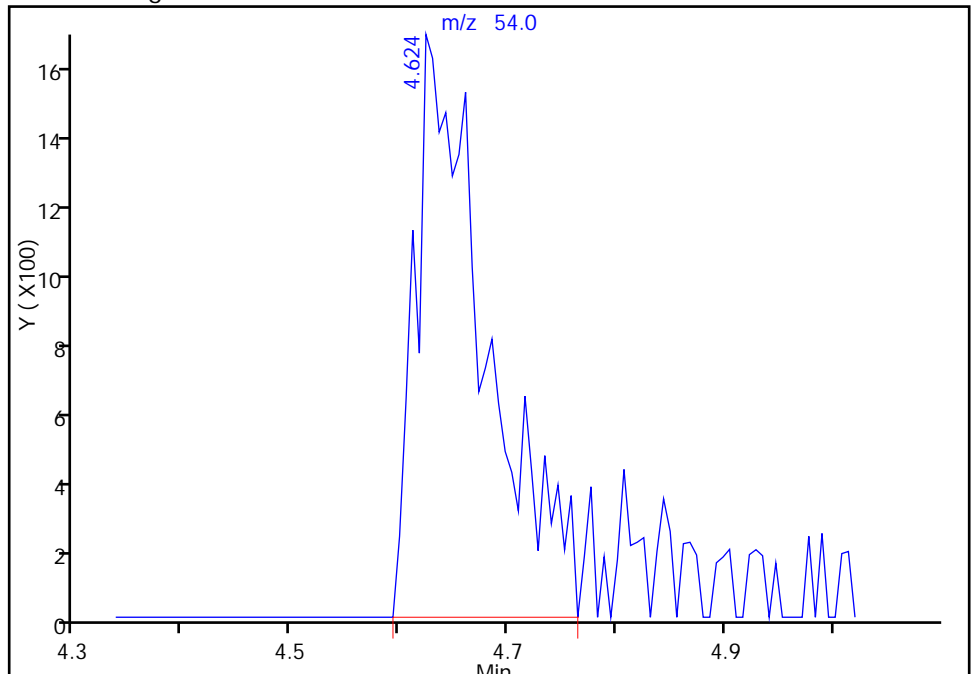
Not Detected
Expected RT: 4.58

Processing Integration Results



Manual Integration Results

RT: 4.62
Area: 7509
Amount: 4.654323
Amount Units: ug/L



Reviewer: o'briens, 15-Sep-2015 02:53:32
Audit Action: Manually Integrated
Audit Reason: Missed Peak

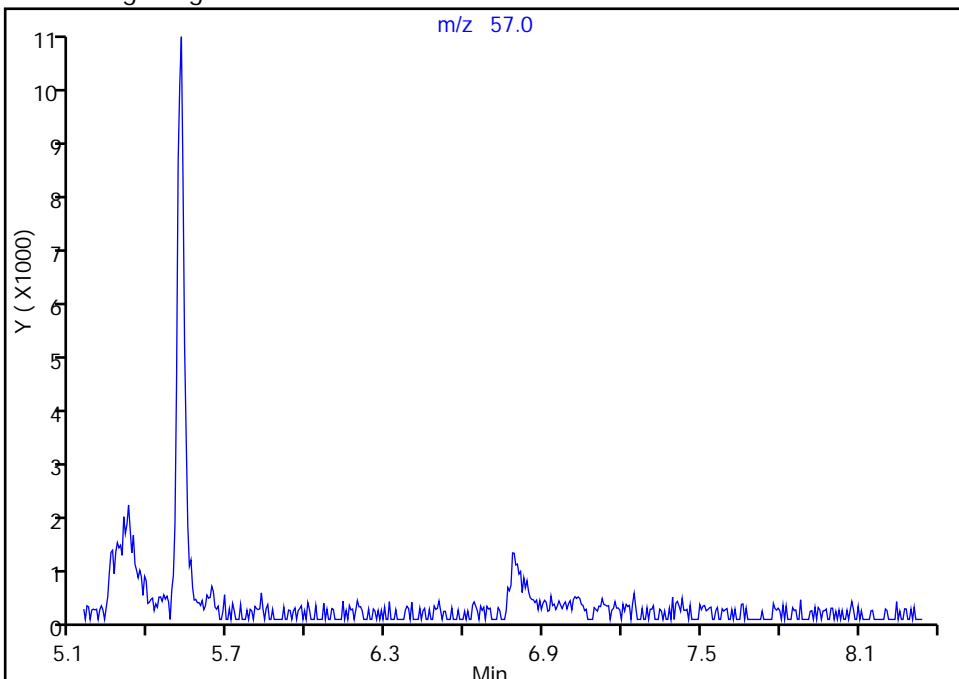
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42400.D
Injection Date: 14-Sep-2015 00:30:30 Instrument ID: HP5973G
Lims ID: IC 8
Client ID:
Operator ID: jg ALS Bottle#: 16 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

71 Epichlorohydrin, CAS: 106-89-8

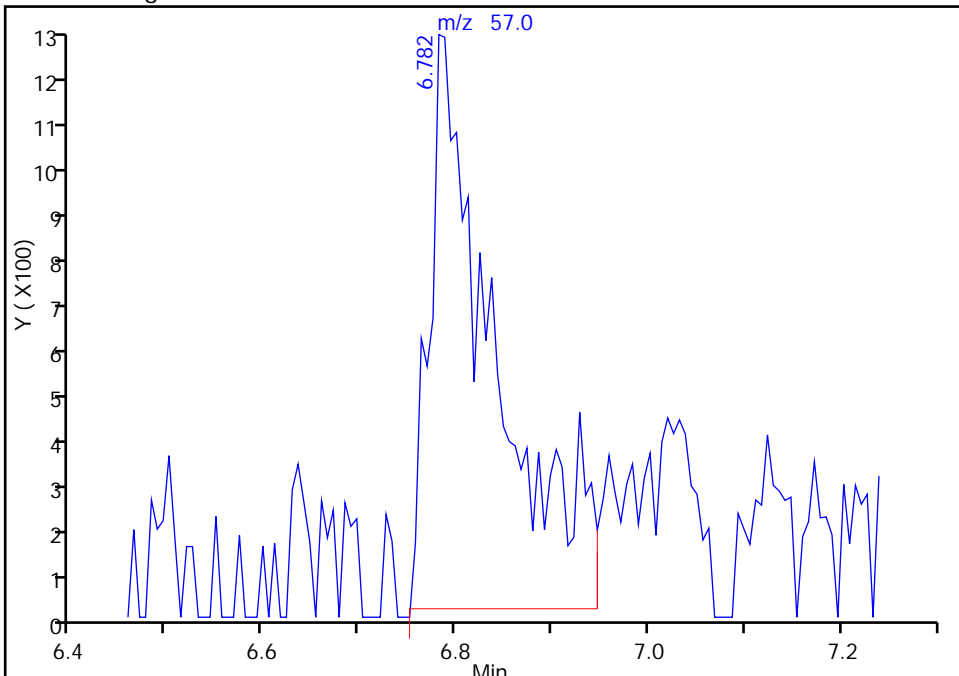
Not Detected
Expected RT: 6.75

Processing Integration Results



RT: 6.78
Area: 5729
Amount: 5.161778
Amount Units: ug/L

Manual Integration Results



Reviewer: o'briens, 15-Sep-2015 02:53:32
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

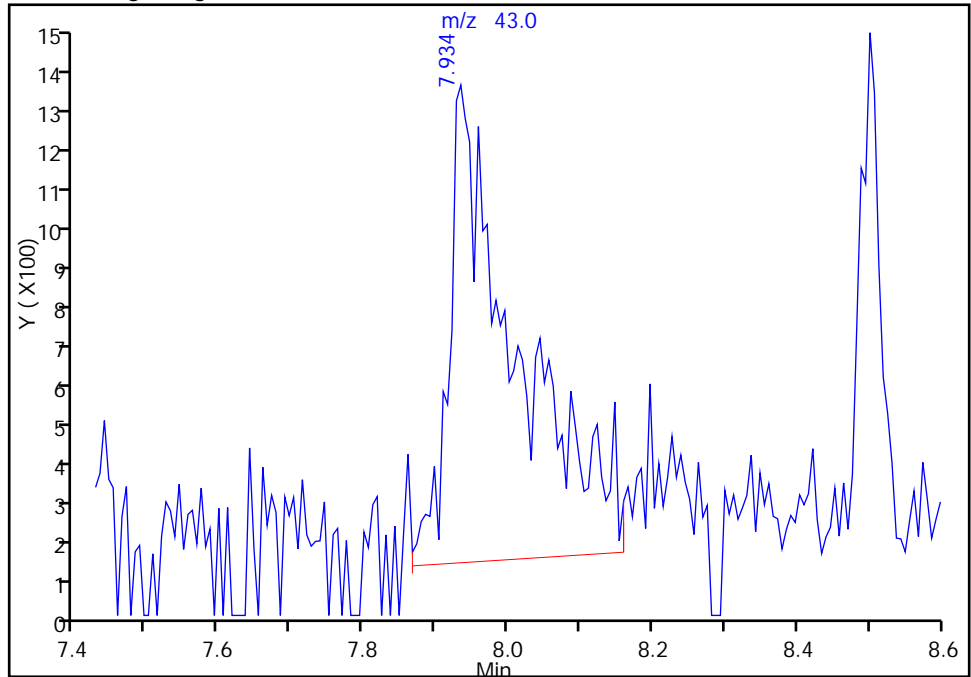
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42400.D
Injection Date: 14-Sep-2015 00:30:30 Instrument ID: HP5973G
Lims ID: IC 8
Client ID:
Operator ID: jg ALS Bottle#: 16 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

149 n-Butyl acetate, CAS: 123-86-4

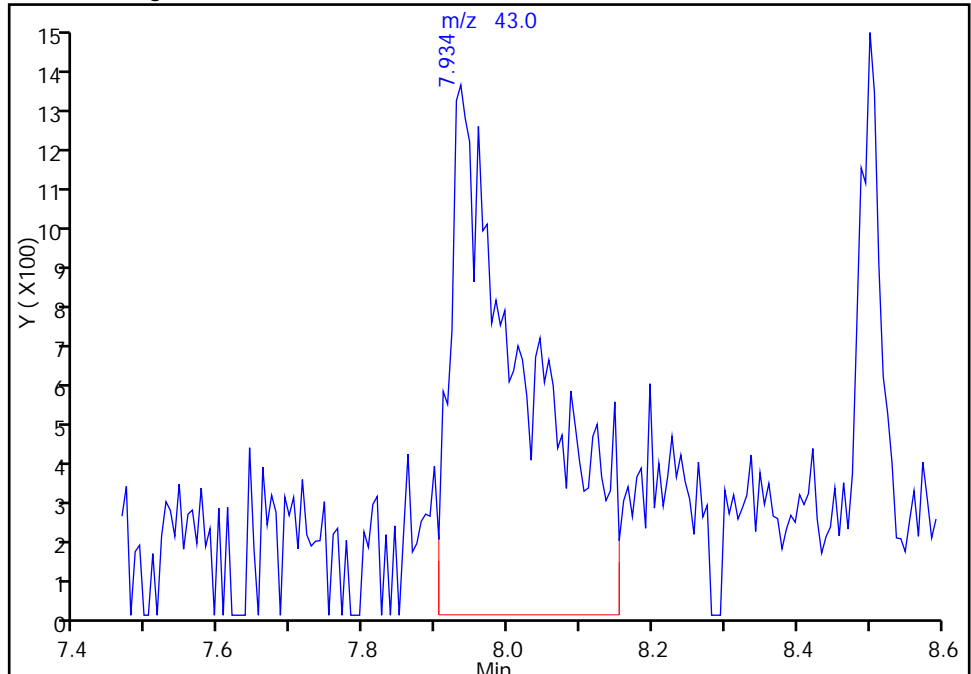
RT: 7.93
Area: 7720
Amount: 0.480972
Amount Units: ug/L

Processing Integration Results



RT: 7.93
Area: 9585
Amount: 0.577977
Amount Units: ug/L

Manual Integration Results



Reviewer: o'briens, 15-Sep-2015 02:53:32
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

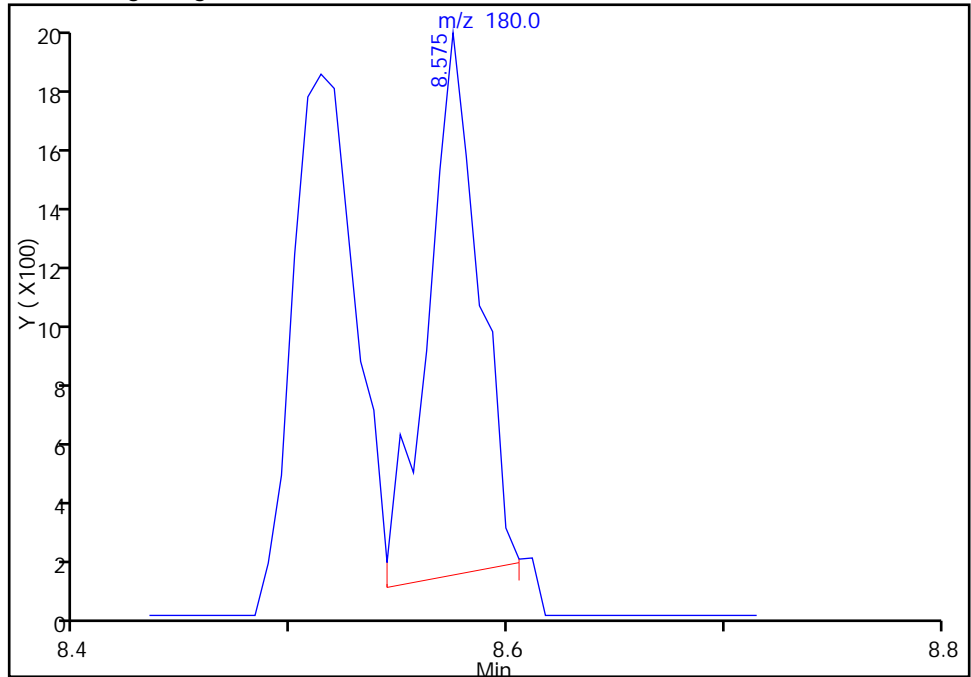
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42400.D
Injection Date: 14-Sep-2015 00:30:30 Instrument ID: HP5973G
Lims ID: IC 8
Client ID:
Operator ID: jg ALS Bottle#: 16 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

87 4-Chlorobenzotrifluoride, CAS: 98-56-6

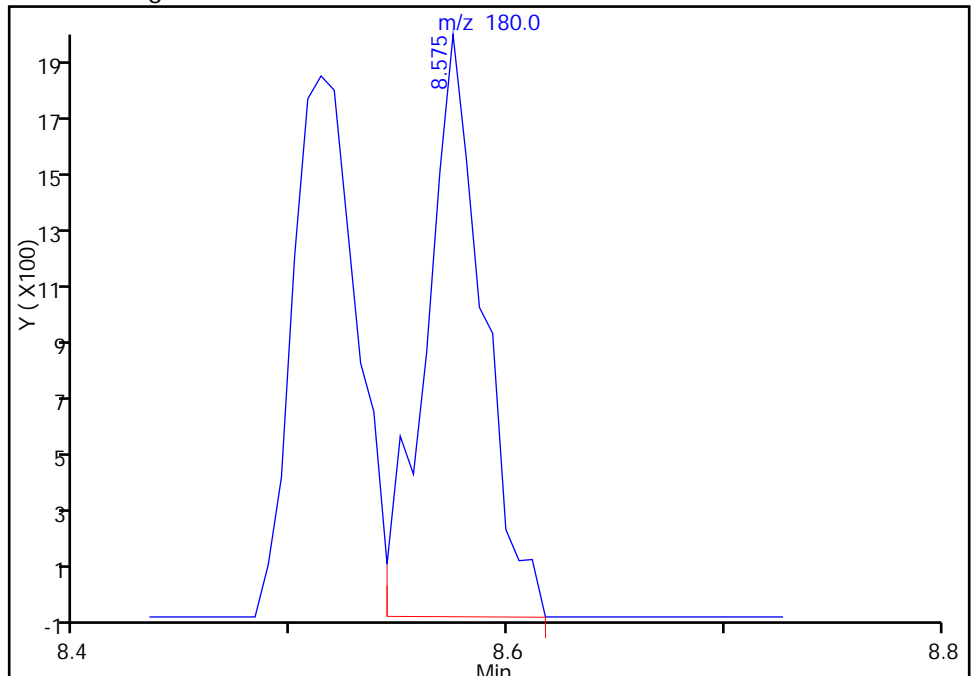
RT: 8.57
Area: 3036
Amount: 0.361077
Amount Units: ug/L

Processing Integration Results



RT: 8.57
Area: 3663
Amount: 0.435647
Amount Units: ug/L

Manual Integration Results



Reviewer: o'briens, 15-Sep-2015 02:53:32
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42401.D
 Lims ID: IC 9
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 14-Sep-2015 00:52:30 ALS Bottle#: 17 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 9
 Misc. Info.: 480-0046201-015
 Operator ID: jg Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub22
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Sep-2015 02:54:13 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK019

First Level Reviewer: gentilej

Date: 14-Sep-2015 10:57:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.514	5.514	0.000	99	101460	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	85	221655	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.897	0.000	95	269421	25.0	25.0	
11 Chlorodifluoromethane	51	1.405	1.411	-0.006	32	8074	1.00	0.9464	M
141 Ethanol	45	2.576	2.570	0.006	92	6506	40.0	50.6	M
68 Propene oxide	58	2.625	2.631	-0.005	92	11713	NC	NC	
25 Isopropyl alcohol	45	3.094	3.082	0.012	97	10167	10.0	10.6	
27 Acetonitrile	40	3.179	3.167	0.012	97	7800	10.0	10.8	
37 Isopropyl ether	45	3.954	3.953	0.001	97	28018	1.00	1.00	
39 2-Chloro-1,3-butadiene	53	3.978	3.972	0.006	92	8528	1.00	0.8544	
40 1,1-Dimethoxyethane	75	4.027	4.020	0.007	98	8222	5.00	4.64	
41 Tert-butyl ethyl ether	59	4.301	4.289	0.012	99	23265	1.00	1.00	
45 Ethyl acetate	43	4.575	4.545	0.030	98	17262	2.00	1.67	
46 Propionitrile	54	4.612	4.581	0.031	71	14291	10.0	8.93	
47 Methacrylonitrile	41	4.703	4.697	0.006	97	64285	10.0	9.77	
146 Isooctane	57	5.307	5.307	0.000	93	25133	1.00	0.8489	
140 t-Amyl alcohol	59	5.350	5.331	0.019	66	13295	10.0	9.90	
58 Tert-amyl methyl ether	73	5.350	5.349	0.001	90	24908	1.00	1.00	
1 1,4-Difluorobenzene	114	5.630	5.630	0.000	94	17487	1.00	0.9644	
60 n-Butanol	56	5.959	5.892	0.067	42	2608	25.0	32.1	M
145 Ethyl acrylate	55	6.014	5.990	0.024	32	6464	1.00	1.05	M
64 Methyl methacrylate	41	6.221	6.203	0.018	94	17562	2.00	1.90	M
69 2-Nitropropane	43	6.618	6.611	0.007	99	3382	2.00	1.59	M
71 Epichlorohydrin	57	6.770	6.746	0.024	45	9289	10.0	8.44	
75 2-Methylthiophene	97	7.233	7.233	0.000	97	21696	1.00	0.9676	
77 3-Methylthiophene	97	7.404	7.398	0.006	100	24050	1.00	1.01	
149 n-Butyl acetate	43	7.934	7.910	0.024	83	17848	1.00	1.09	
139 1-Chlorohexane	55	8.508	8.495	0.013	33	11338	1.00	0.8040	
85 3-Chlorobenzotrifluoride	180	8.514	8.514	0.000	53	7278	1.00	0.8375	
87 4-Chlorobenzotrifluoride	180	8.581	8.574	0.007	94	7573	1.00	0.8807	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.489	9.489	0.000	94	8186	1.00	0.8766	
96 Cyclohexanone	55	9.745	9.727	0.018	93	6368	10.0	9.33	
103 3-Chlorotoluene	126	10.160	10.160	0.000	96	8123	1.00	0.9420	
108 Pentachloroethane	167	10.544	10.544	0.000	84	2875	1.00	0.8916	
112 Dicyclopentadiene	66	10.910	10.909	0.001	96	35368	1.00	0.9741	
114 1,2,3-Trimethylbenzene	105	10.952	10.952	0.000	11	31791	1.00	0.9759	
143 Benzyl chloride	126	11.068	11.056	0.012	98	2979	1.00	0.7698	
118 1,3,5-Trichlorobenzene	180	12.135	12.135	0.000	96	13416	1.00	0.9622	
142 2-Methylnaphthalene	142	13.799	13.799	0.000	94	22630	1.00	0.9295	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

2MTP_WRK_00046	Amount Added: 1.00	Units: uL
3MTP_WRK_00048	Amount Added: 1.00	Units: uL
ADD CORP mix_00034	Amount Added: 1.00	Units: uL
G_8260_IS_00096	Amount Added: 1.00	Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42401.D

Injection Date: 14-Sep-2015 00:52:30

Instrument ID: HP5973G

Operator ID: jg

Lims ID: IC 9

Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL

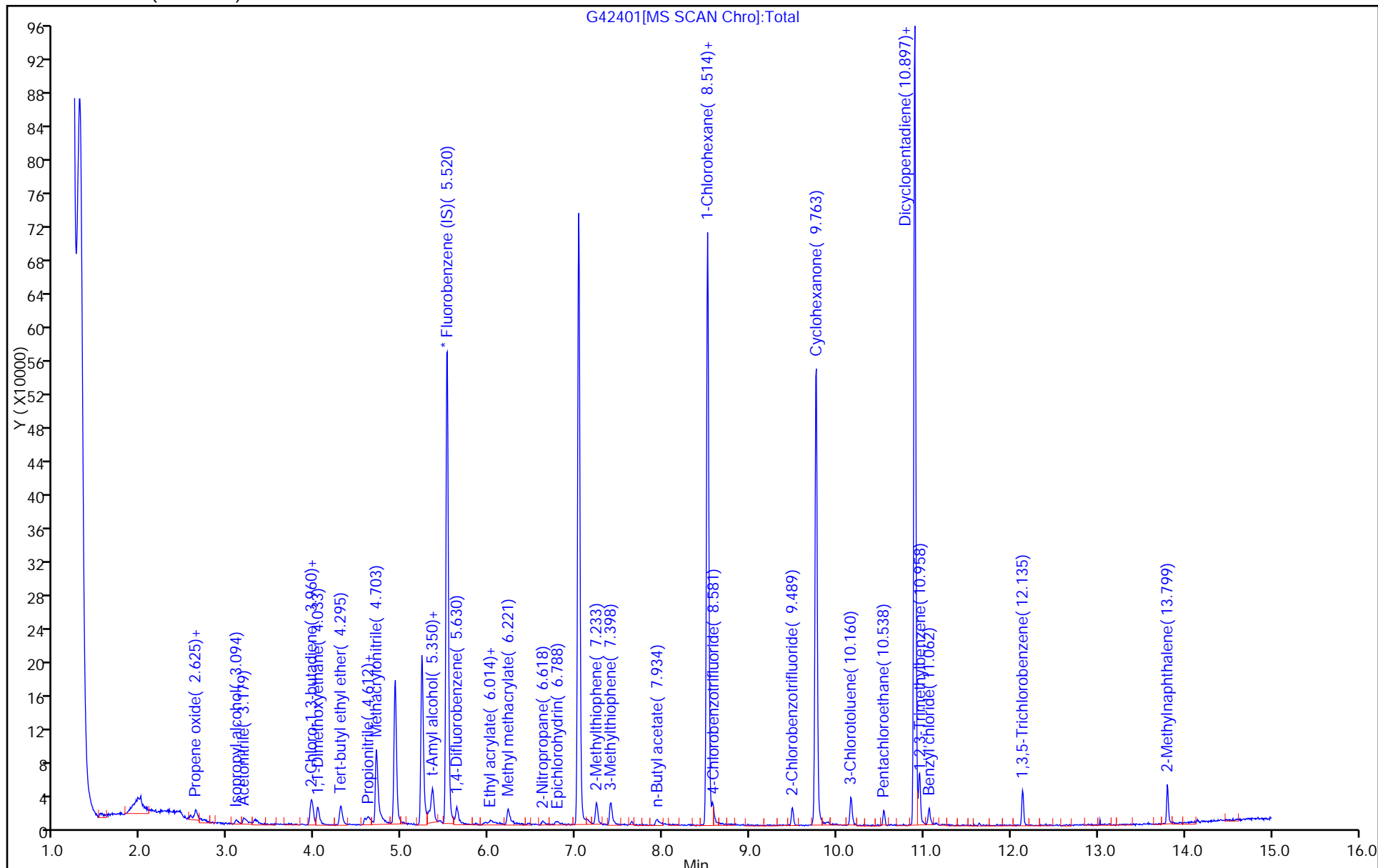
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



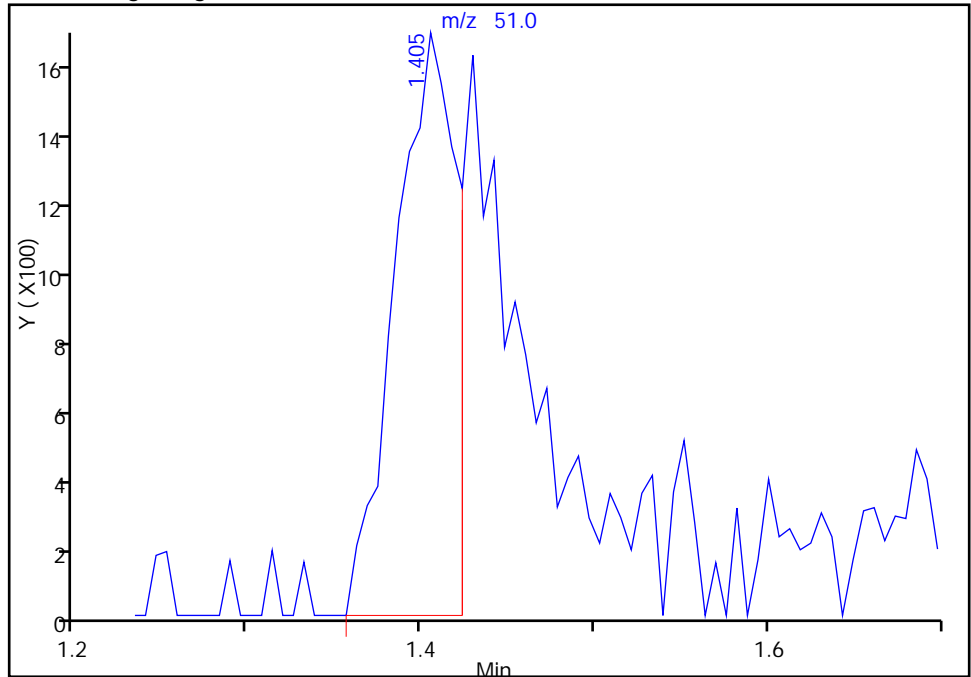
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42401.D
Injection Date: 14-Sep-2015 00:52:30 Instrument ID: HP5973G
Lims ID: IC 9
Client ID:
Operator ID: jg ALS Bottle#: 17 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

11 Chlorodifluoromethane, CAS: 75-45-6

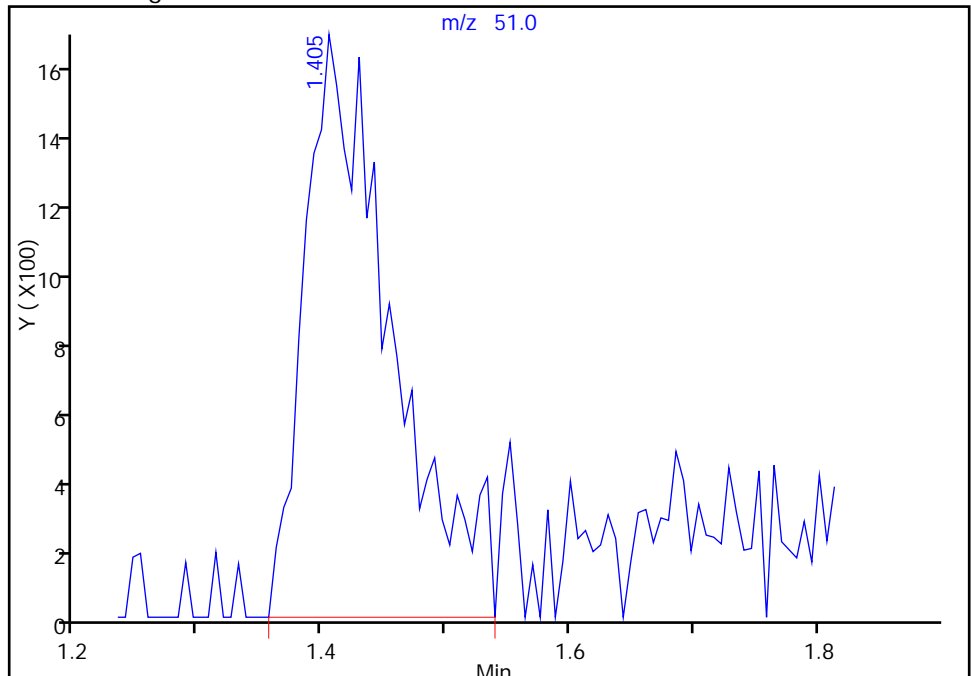
RT: 1.41
Area: 4113
Amount: 0.694051
Amount Units: ug/L

Processing Integration Results



RT: 1.41
Area: 8074
Amount: 0.946420
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 10:39:10
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

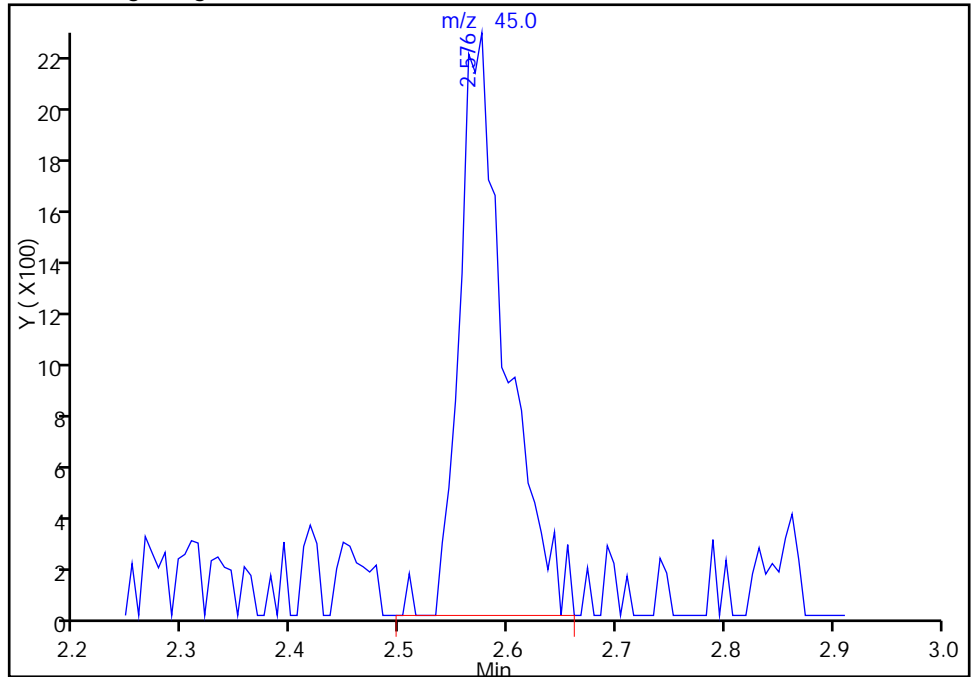
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42401.D
Injection Date: 14-Sep-2015 00:52:30 Instrument ID: HP5973G
Lims ID: IC 9
Client ID:
Operator ID: jg ALS Bottle#: 17 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

141 Ethanol, CAS: 64-17-5

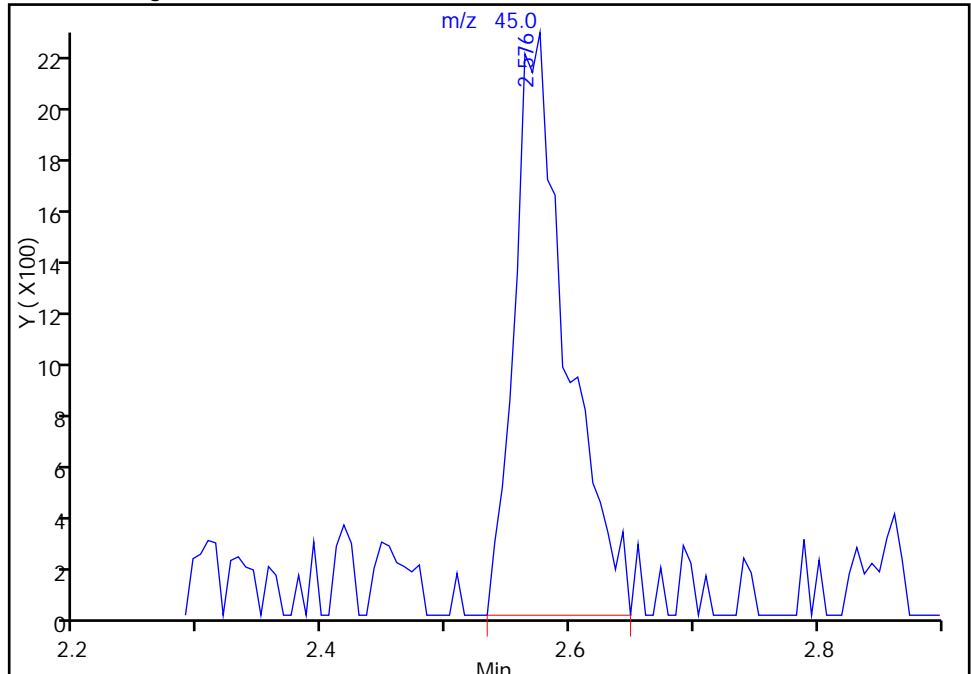
RT: 2.58
Area: 6662
Amount: 50.281336
Amount Units: ug/L

Processing Integration Results



RT: 2.58
Area: 6506
Amount: 50.581669
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 14-Sep-2015 16:23:34
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

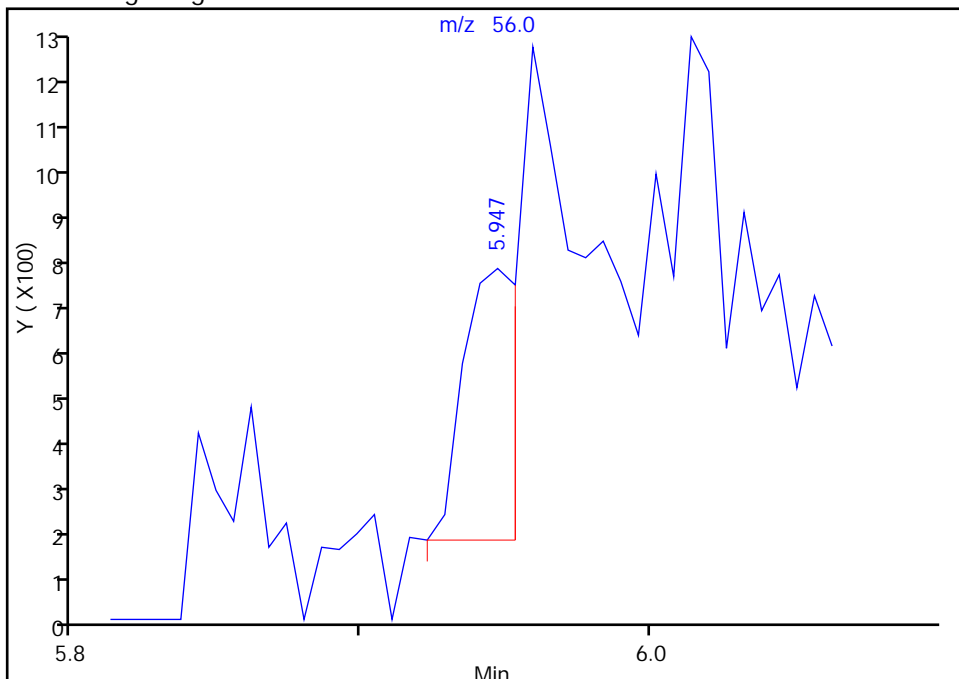
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42401.D
Injection Date: 14-Sep-2015 00:52:30 Instrument ID: HP5973G
Lims ID: IC 9
Client ID:
Operator ID: jg ALS Bottle#: 17 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

60 n-Butanol, CAS: 71-36-3

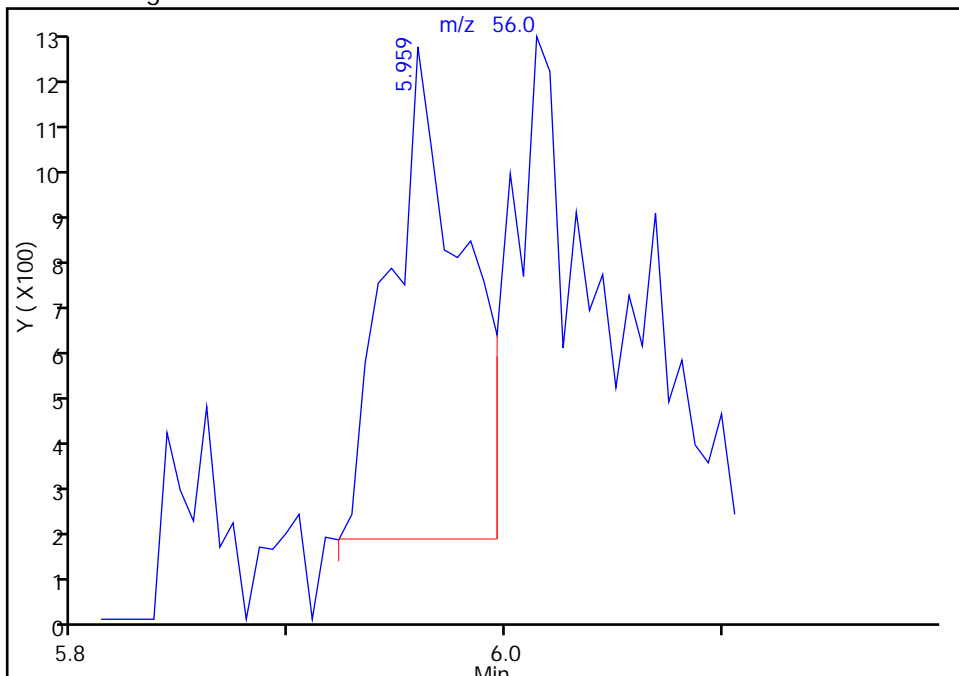
RT: 5.95
Area: 804
Amount: 31.193655
Amount Units: ug/L

Processing Integration Results



RT: 5.96
Area: 2608
Amount: 32.119183
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 14-Sep-2015 16:39:32
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

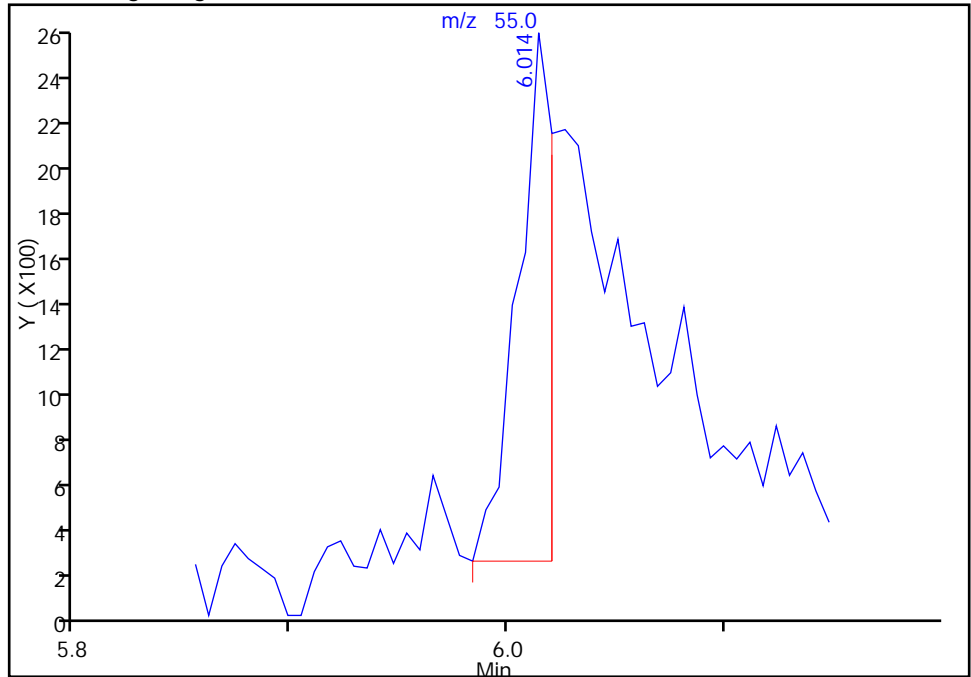
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42401.D
Injection Date: 14-Sep-2015 00:52:30 Instrument ID: HP5973G
Lims ID: IC 9
Client ID:
Operator ID: jg ALS Bottle#: 17 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

145 Ethyl acrylate, CAS: 140-88-5

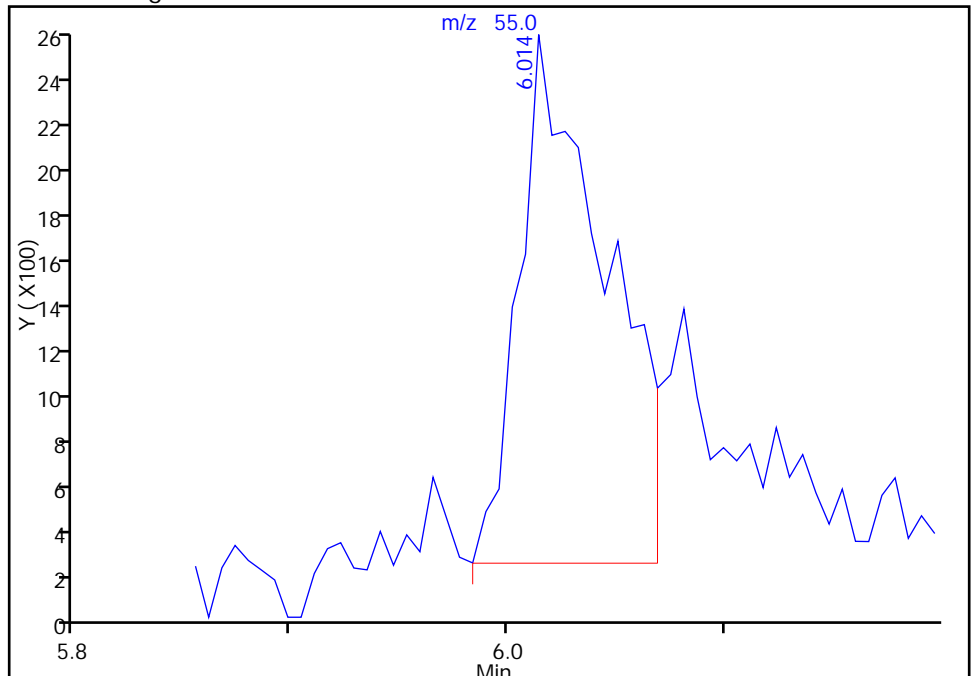
RT: 6.01
Area: 2618
Amount: 0.994261
Amount Units: ug/L

Processing Integration Results



RT: 6.01
Area: 6464
Amount: 1.054628
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 14-Sep-2015 16:39:32
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

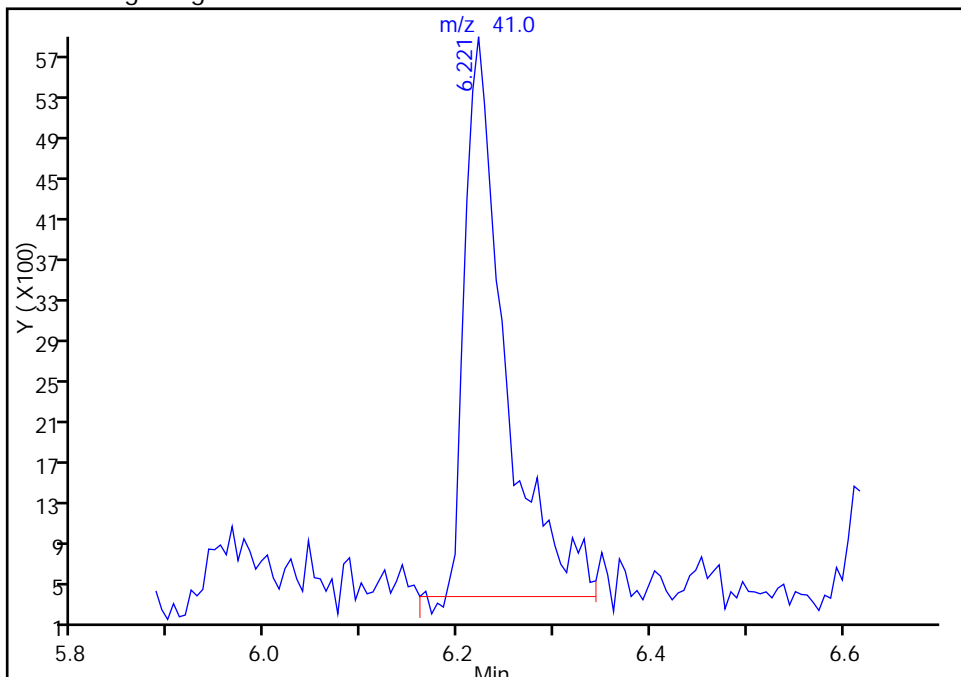
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42401.D
Injection Date: 14-Sep-2015 00:52:30 Instrument ID: HP5973G
Lims ID: IC 9
Client ID:
Operator ID: jg ALS Bottle#: 17 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

64 Methyl methacrylate, CAS: 80-62-6

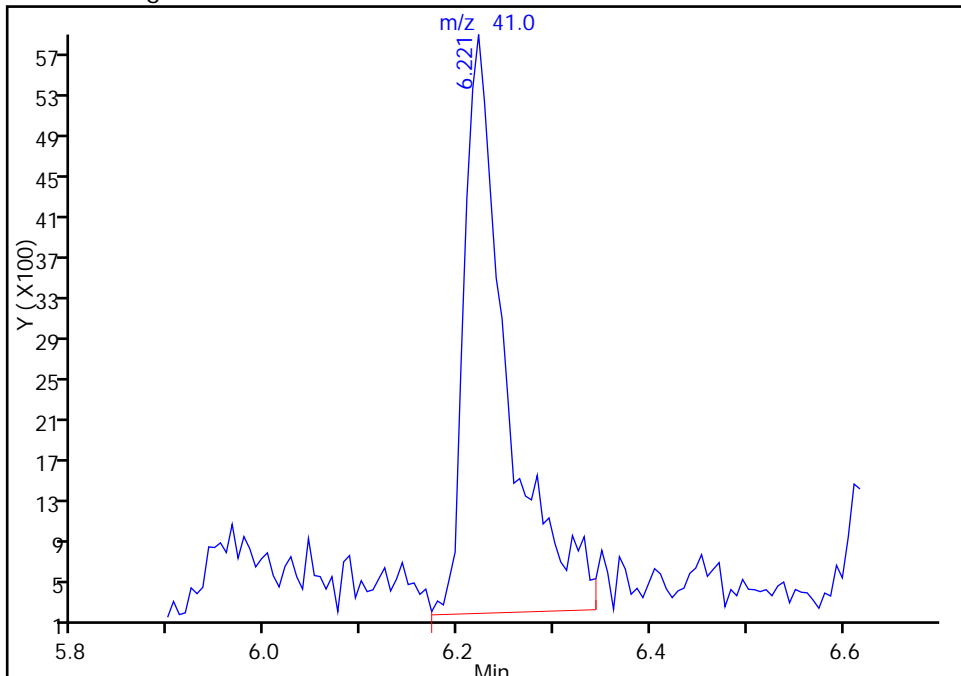
RT: 6.22
Area: 15720
Amount: 1.729599
Amount Units: ug/L

Processing Integration Results



RT: 6.22
Area: 17562
Amount: 1.904693
Amount Units: ug/L

Manual Integration Results



Reviewer: o'briens, 15-Sep-2015 02:54:13
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

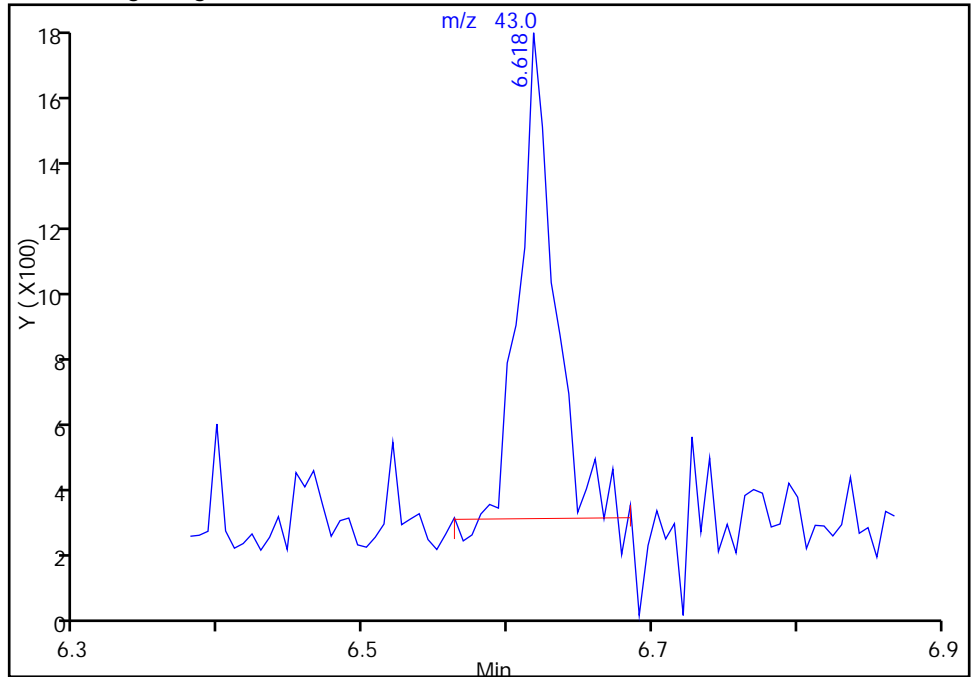
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42401.D
Injection Date: 14-Sep-2015 00:52:30 Instrument ID: HP5973G
Lims ID: IC 9
Client ID:
Operator ID: jg ALS Bottle#: 17 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

69 2-Nitropropane, CAS: 79-46-9

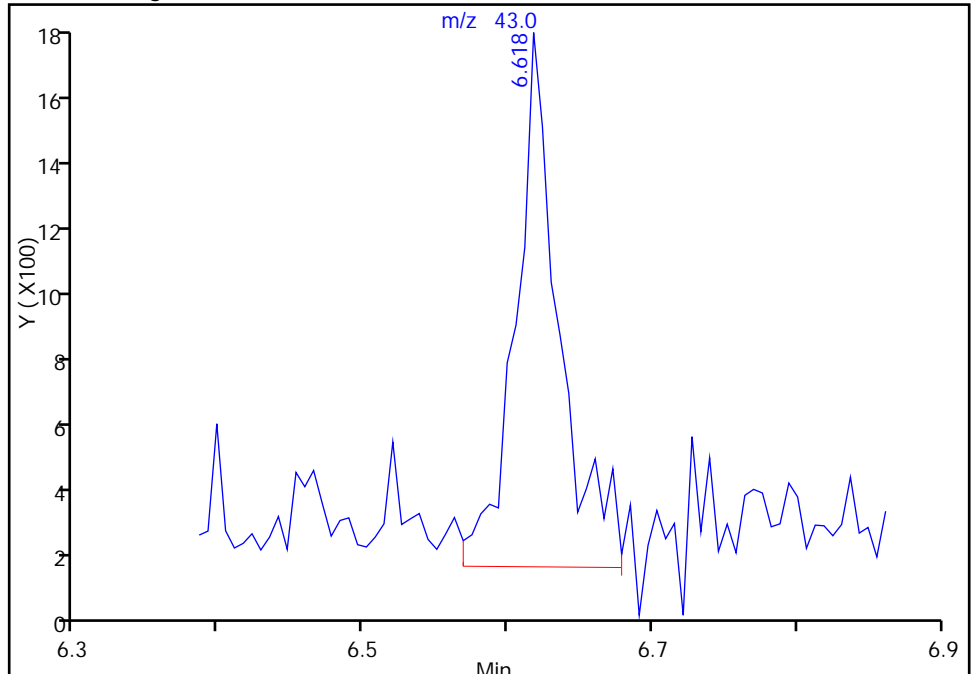
RT: 6.62
Area: 2379
Amount: 1.163241
Amount Units: ug/L

Processing Integration Results



RT: 6.62
Area: 3382
Amount: 1.588739
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 14-Sep-2015 16:39:32
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42402.D
 Lims ID: IC 10
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 14-Sep-2015 01:15:30 ALS Bottle#: 18 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 10
 Misc. Info.: 480-0046201-016
 Operator ID: jg Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub22
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Sep-2015 02:54:37 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK019

First Level Reviewer: gentilej Date: 14-Sep-2015 10:37:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.514	0.006	99	103881	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	85	223714	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.897	0.000	95	269688	25.0	25.0	
11 Chlorodifluoromethane	51	1.405	1.411	-0.006	1	47776	5.00	5.47	M
141 Ethanol	45	2.570	2.570	0.000	98	30023	200.0	228.0	
68 Propene oxide	58	2.631	2.631	0.001	95	62332	NC	NC	
25 Isopropyl alcohol	45	3.088	3.082	0.006	99	53860	50.0	54.7	
27 Acetonitrile	40	3.173	3.167	0.006	100	38713	50.0	52.2	
37 Isopropyl ether	45	3.954	3.953	0.001	97	150576	5.00	5.25	
39 2-Chloro-1,3-butadiene	53	3.972	3.972	0.000	93	56372	5.00	5.52	
40 1,1-Dimethoxyethane	75	4.021	4.020	0.001	99	48609	25.0	26.8	
41 Tert-butyl ethyl ether	59	4.295	4.289	0.006	99	124891	5.00	5.26	
45 Ethyl acetate	43	4.551	4.545	0.006	99	107101	10.0	10.1	
46 Propionitrile	54	4.594	4.581	0.013	99	86557	50.0	52.8	
47 Methacrylonitrile	41	4.697	4.697	0.000	96	355448	50.0	52.8	
146 Isooctane	57	5.307	5.307	0.000	98	170987	5.00	5.64	
140 t-Amyl alcohol	59	5.337	5.331	0.006	79	74475	50.0	54.2	
58 Tert-amyl methyl ether	73	5.350	5.349	0.001	96	135607	5.00	5.33	
1 1,4-Difluorobenzene	114	5.624	5.630	-0.006	94	98912	5.00	5.33	
60 n-Butanol	56	5.910	5.892	0.018	90	33254	125.0	106.6	M
145 Ethyl acrylate	55	5.996	5.990	0.006	98	56122	5.00	4.84	
64 Methyl methacrylate	41	6.209	6.203	0.006	95	99222	10.0	10.5	
69 2-Nitropropane	43	6.618	6.611	0.007	95	18152	10.0	8.52	
71 Epichlorohydrin	57	6.752	6.746	0.006	100	60173	50.0	53.4	
75 2-Methylthiophene	97	7.233	7.233	0.000	98	114392	5.00	5.10	
77 3-Methylthiophene	97	7.398	7.398	0.000	99	122573	5.00	5.13	
149 n-Butyl acetate	43	7.916	7.910	0.006	99	82965	5.00	4.93	
139 1-Chlorohexane	55	8.495	8.495	0.000	86	46787	5.00	5.62	
85 3-Chlorobenzotrifluoride	180	8.514	8.514	0.000	58	47955	5.00	5.51	
87 4-Chlorobenzotrifluoride	180	8.575	8.574	0.001	96	46619	5.00	5.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.489	9.489	0.000	96	51805	5.00	5.54	
96 Cyclohexanone	55	9.733	9.727	0.006	97	28913	50.0	54.9	
103 3-Chlorotoluene	126	10.160	10.160	0.000	96	46276	5.00	5.36	
108 Pentachloroethane	167	10.538	10.544	-0.006	89	16842	5.00	5.22	
112 Dicyclopentadiene	66	10.910	10.909	0.001	95	192440	5.00	5.29	
114 1,2,3-Trimethylbenzene	105	10.952	10.952	0.000	97	175990	5.00	5.40	
143 Benzyl chloride	126	11.056	11.056	0.000	98	19735	5.00	5.05	
118 1,3,5-Trichlorobenzene	180	12.135	12.135	0.000	98	75067	5.00	5.38	
142 2-Methylnaphthalene	142	13.799	13.799	0.000	94	131261	5.00	5.39	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

2MTP_WRK_00046	Amount Added: 5.00	Units: uL
3MTP_WRK_00048	Amount Added: 5.00	Units: uL
ADD CORP mix_00034	Amount Added: 5.00	Units: uL
G_8260_IS_00096	Amount Added: 1.00	Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42402.D

Injection Date: 14-Sep-2015 01:15:30

Instrument ID: HP5973G

Operator ID: jg

Lims ID: IC 10

Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL

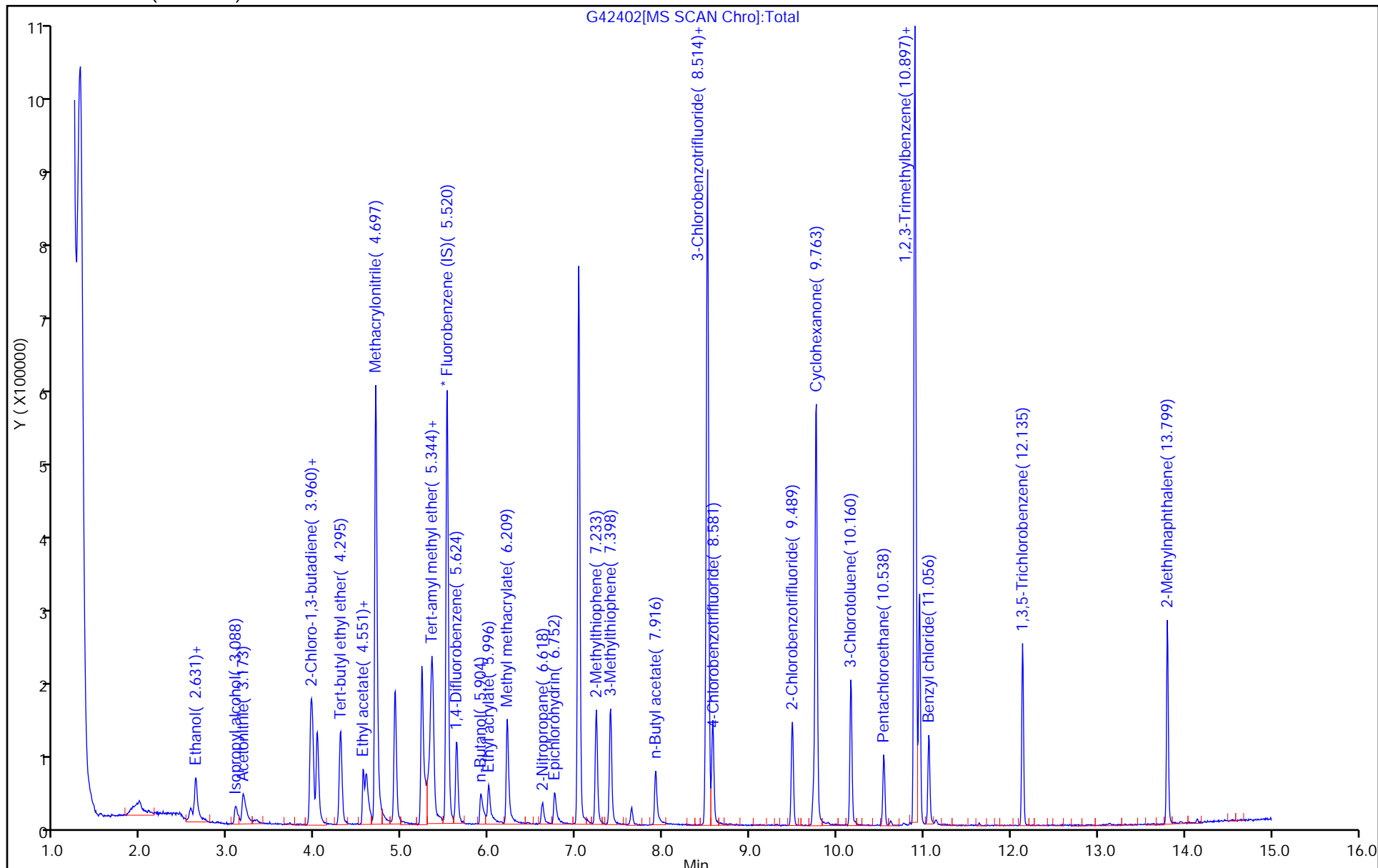
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



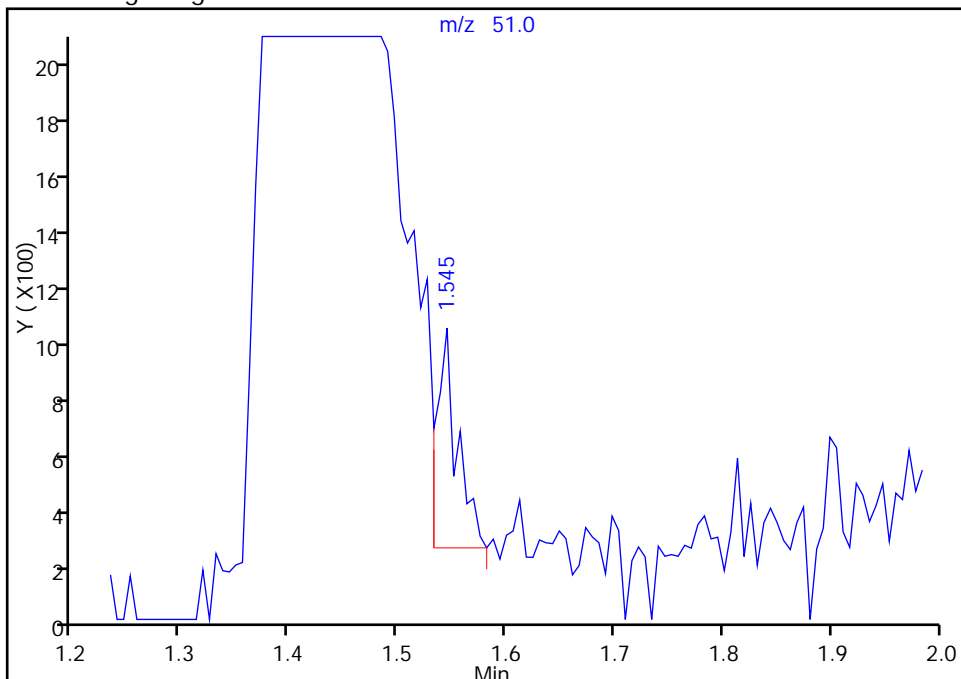
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42402.D
Injection Date: 14-Sep-2015 01:15:30 Instrument ID: HP5973G
Lims ID: IC 10
Client ID:
Operator ID: jg ALS Bottle#: 18 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

11 Chlorodifluoromethane, CAS: 75-45-6

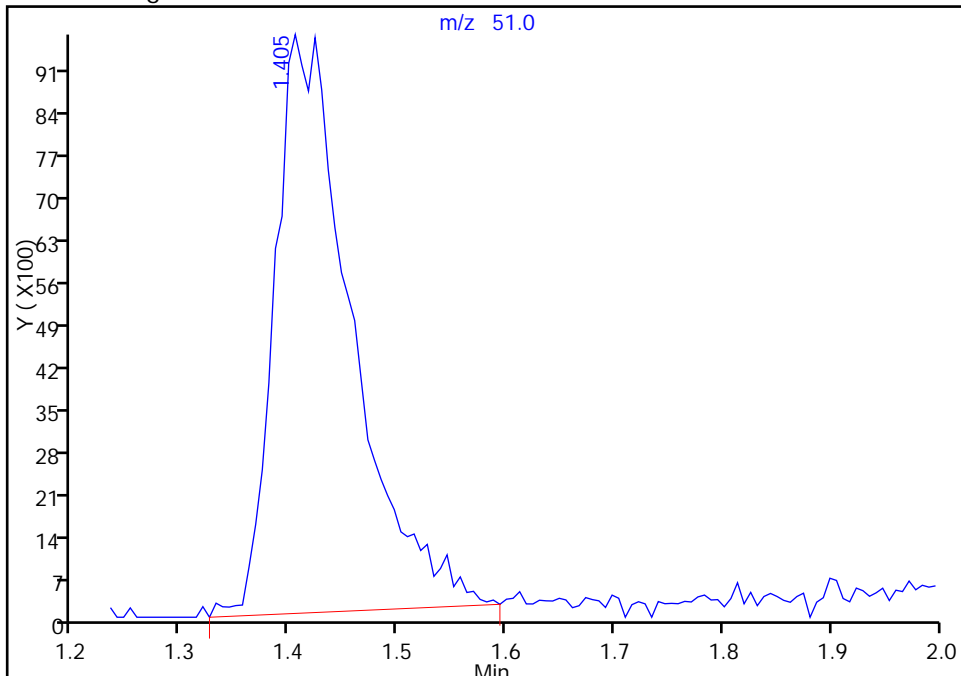
RT: 1.55
Area: 1028
Amount: 0.217252
Amount Units: ug/L

Processing Integration Results



RT: 1.41
Area: 47776
Amount: 5.469705
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 10:35:11
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

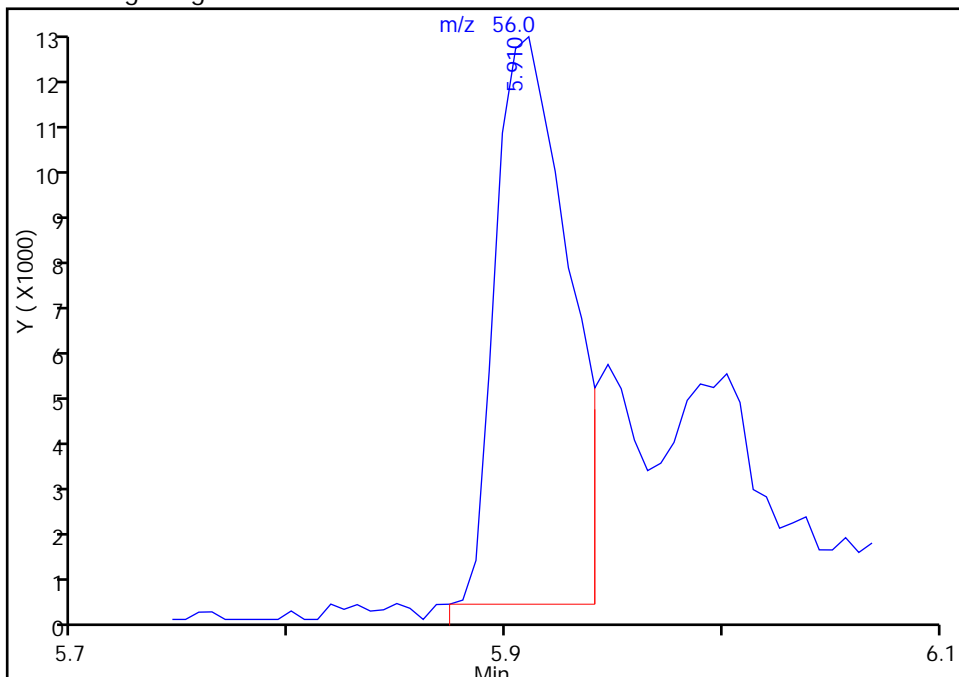
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42402.D
Injection Date: 14-Sep-2015 01:15:30 Instrument ID: HP5973G
Lims ID: IC 10
Client ID:
Operator ID: jg ALS Bottle#: 18 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

60 n-Butanol, CAS: 71-36-3

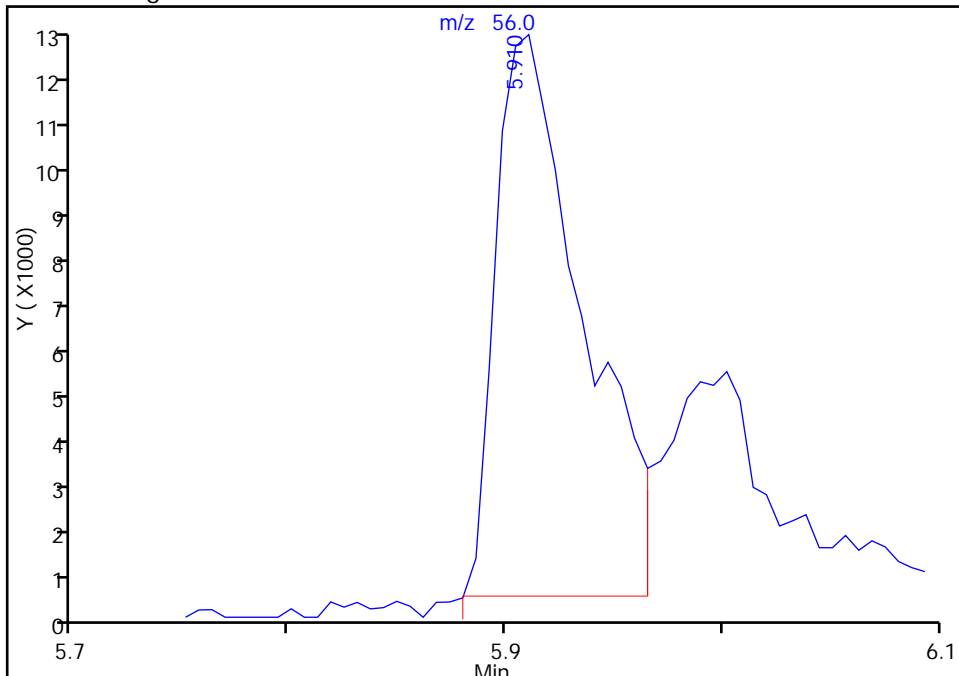
RT: 5.91
Area: 28129
Amount: 87.666308
Amount Units: ug/L

Processing Integration Results



RT: 5.91
Area: 33254
Amount: 106.5783
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 10:37:12
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42403.D
 Lims ID: IC 11
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 14-Sep-2015 01:37:30 ALS Bottle#: 19 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 11
 Misc. Info.: 480-0046201-017
 Operator ID: jg Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub22
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Sep-2015 02:54:55 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK019

First Level Reviewer: gentilej

Date: 14-Sep-2015 10:34:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.514	5.514	0.000	99	111741	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	86	233397	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.897	0.000	95	282121	25.0	25.0	
11 Chlorodifluoromethane	51	1.424	1.424	0.000	1	88146	10.0	9.38	M
141 Ethanol	45	2.570	2.570	0.000	98	51132	400.0	361.0	M
68 Propene oxide	58	2.631	2.631	0.000	96	119537	NC	NC	
25 Isopropyl alcohol	45	3.082	3.082	0.000	99	94323	100.0	89.0	
27 Acetonitrile	40	3.173	3.173	0.000	98	74056	100.0	92.9	
37 Isopropyl ether	45	3.947	3.947	0.000	97	299810	10.0	9.72	
39 2-Chloro-1,3-butadiene	53	3.972	3.972	0.000	93	107413	10.0	9.77	
40 1,1-Dimethoxyethane	75	4.021	4.021	0.000	99	94229	50.0	48.3	
41 Tert-butyl ethyl ether	59	4.289	4.289	0.000	99	251840	10.0	9.85	
45 Ethyl acetate	43	4.551	4.551	0.000	99	221494	20.0	19.4	
46 Propionitrile	54	4.588	4.588	0.000	100	175552	100.0	99.6	
47 Methacrylonitrile	41	4.697	4.697	0.000	96	724758	100.0	100.0	
146 Isooctane	57	5.307	5.307	0.000	98	325392	10.0	9.98	
140 t-Amyl alcohol	59	5.331	5.331	0.000	80	144342	100.0	97.6	
58 Tert-amyl methyl ether	73	5.350	5.350	0.000	96	269152	10.0	9.83	
1 1,4-Difluorobenzene	114	5.630	5.630	0.000	95	194971	10.0	9.76	
60 n-Butanol	56	5.898	5.898	0.000	90	81558	250.0	210.2	
145 Ethyl acrylate	55	5.996	5.996	0.000	98	124894	10.0	9.42	
64 Methyl methacrylate	41	6.209	6.209	0.000	95	196375	20.0	19.3	
69 2-Nitropropane	43	6.612	6.612	0.000	99	38696	20.0	17.4	
71 Epichlorohydrin	57	6.752	6.752	0.000	100	113136	100.0	93.3	
75 2-Methylthiophene	97	7.233	7.233	0.000	97	235687	10.0	10.0	
77 3-Methylthiophene	97	7.398	7.398	0.000	100	252045	10.0	10.1	
149 n-Butyl acetate	43	7.910	7.910	0.000	99	166870	10.0	9.21	
139 1-Chlorohexane	55	8.495	8.495	0.000	90	79572	10.0	9.64	
85 3-Chlorobenzotrifluoride	180	8.514	8.514	0.000	90	92751	10.0	10.2	
87 4-Chlorobenzotrifluoride	180	8.575	8.575	0.000	96	89513	10.0	9.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.489	9.489	0.000	96	98471	10.0	10.1	
96 Cyclohexanone	55	9.733	9.733	0.000	94	50925	100.0	94.9	
103 3-Chlorotoluene	126	10.160	10.160	0.000	96	89504	10.0	9.91	
108 Pentachloroethane	167	10.544	10.544	0.000	88	32389	10.0	9.59	
112 Dicyclopentadiene	66	10.909	10.909	0.000	97	366072	10.0	9.63	
114 1,2,3-Trimethylbenzene	105	10.952	10.952	0.000	97	349722	10.0	10.3	
143 Benzyl chloride	126	11.056	11.056	0.000	99	42082	10.0	10.3	
118 1,3,5-Trichlorobenzene	180	12.135	12.135	0.000	98	143217	10.0	9.81	
142 2-Methylnaphthalene	142	13.799	13.799	0.000	93	249979	10.0	9.81	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

2MTP_WRK_00046	Amount Added: 5.00	Units: uL
3MTP_WRK_00048	Amount Added: 5.00	Units: uL
ADD CORP mix_00034	Amount Added: 5.00	Units: uL
G_8260_IS_00096	Amount Added: 1.00	Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42403.D

Injection Date: 14-Sep-2015 01:37:30

Instrument ID: HP5973G

Operator ID: jg

Lims ID: IC 11

Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL

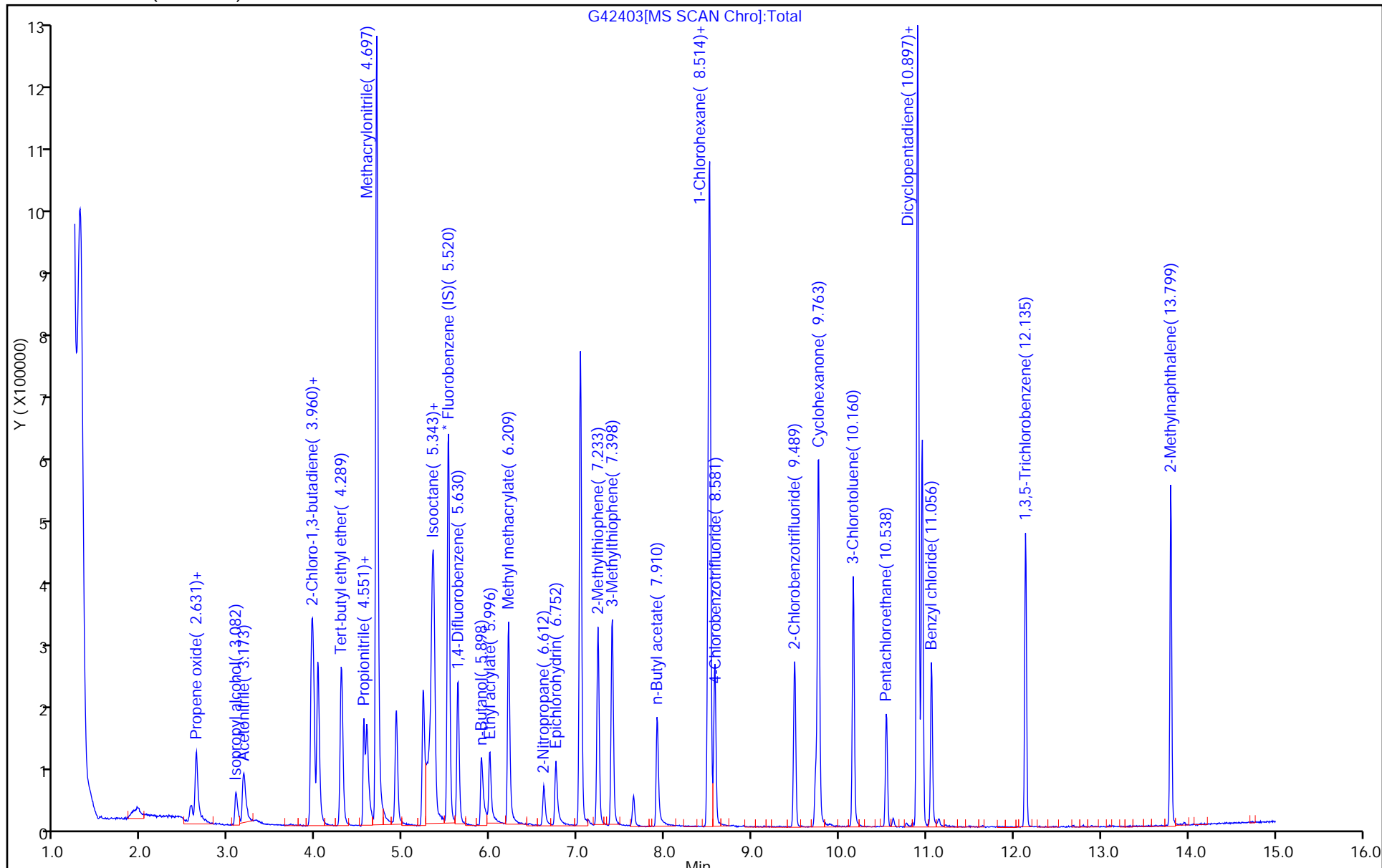
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



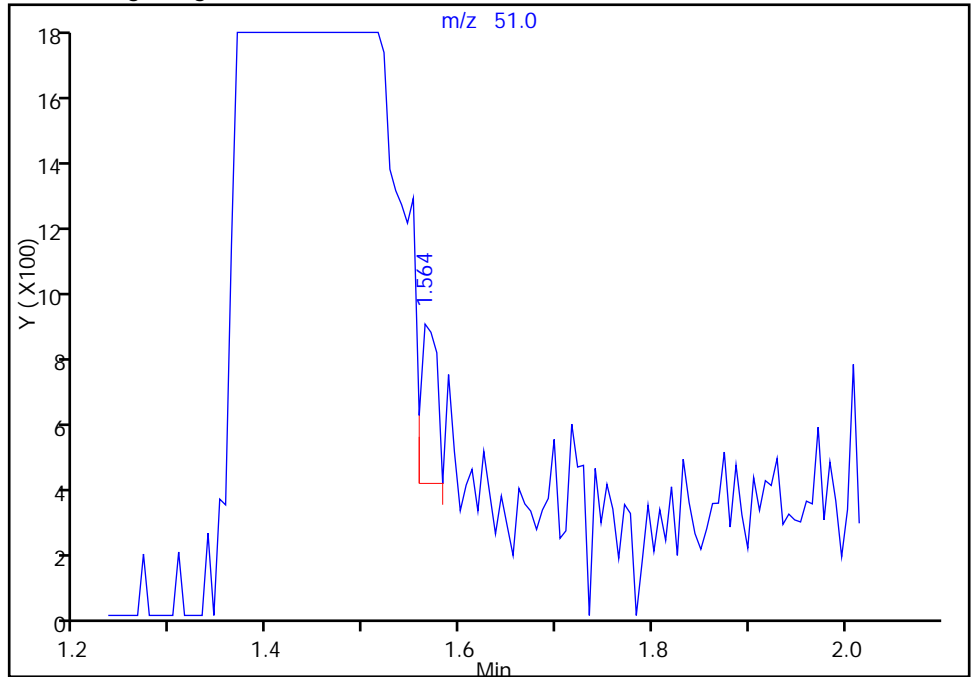
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42403.D
Injection Date: 14-Sep-2015 01:37:30 Instrument ID: HP5973G
Lims ID: IC 11
Client ID:
Operator ID: jg ALS Bottle#: 19 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

11 Chlorodifluoromethane, CAS: 75-45-6

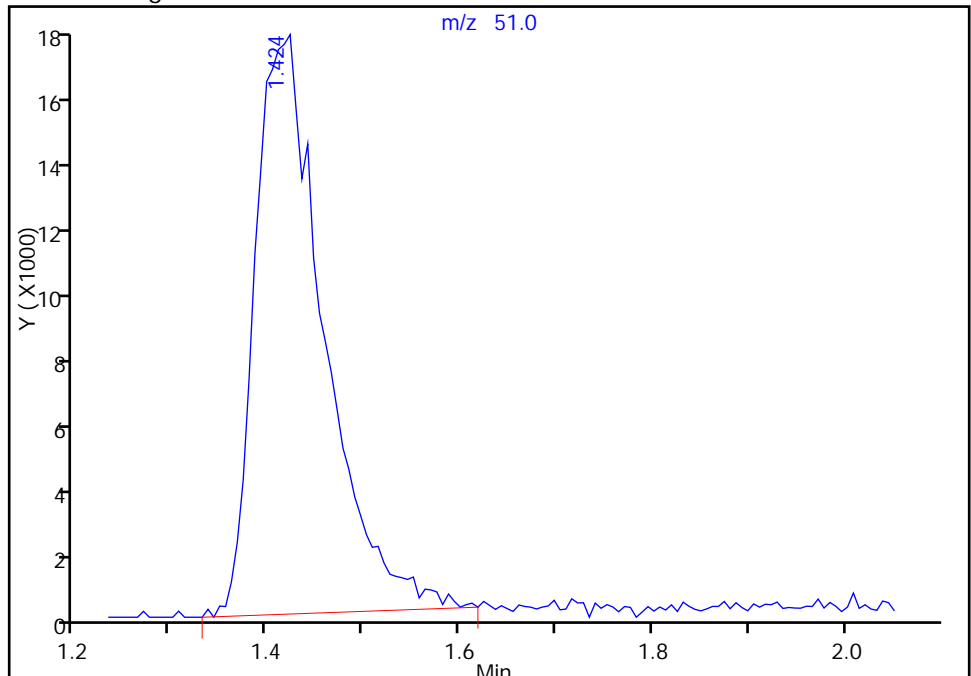
RT: 1.56
Area: 546
Amount: 0.142246
Amount Units: ug/L

Processing Integration Results



RT: 1.42
Area: 88146
Amount: 9.381673
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 10:34:18
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

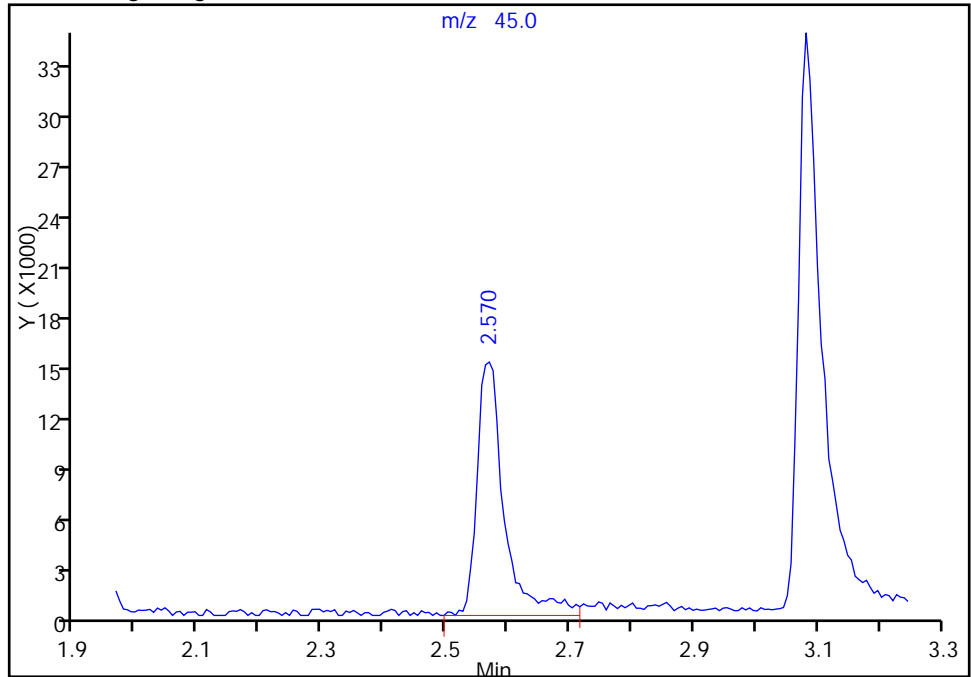
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42403.D
Injection Date: 14-Sep-2015 01:37:30 Instrument ID: HP5973G
Lims ID: IC 11
Client ID:
Operator ID: jg ALS Bottle#: 19 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

141 Ethanol, CAS: 64-17-5

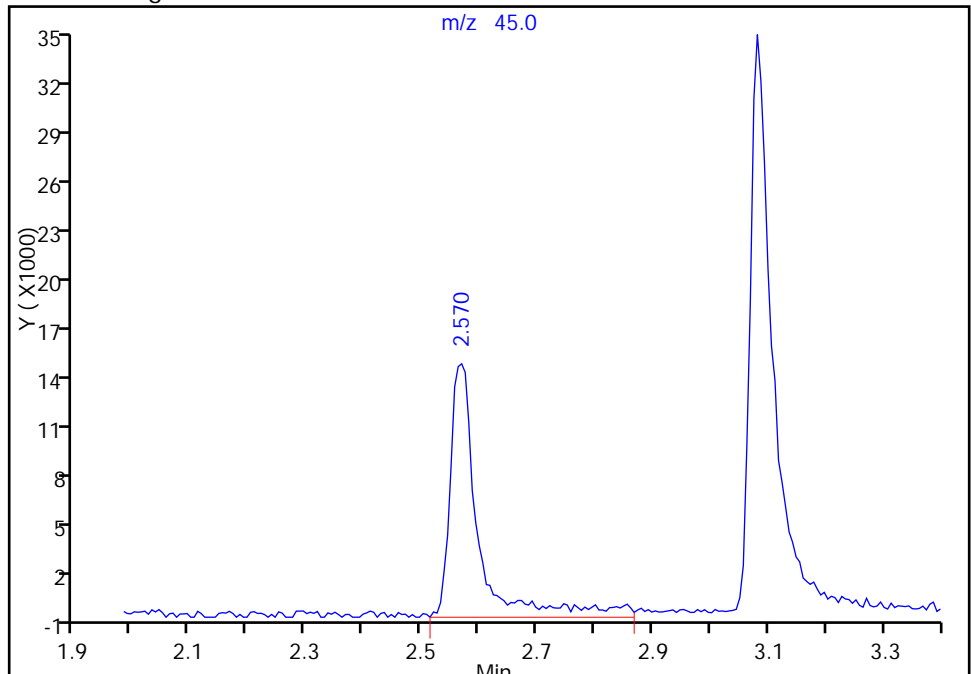
RT: 2.57
Area: 46093
Amount: 317.2119
Amount Units: ug/L

Processing Integration Results



RT: 2.57
Area: 51132
Amount: 360.9559
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 14-Sep-2015 16:24:19
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42404.D
 Lims ID: IC 12
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 14-Sep-2015 02:00:30 ALS Bottle#: 20 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 12
 Misc. Info.: 480-0046201-018
 Operator ID: jg Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub22
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Sep-2015 02:55:45 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK019

First Level Reviewer: o'briens

Date: 15-Sep-2015 02:55:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.520	0.000	99	110805	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	86	236269	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.897	0.000	95	285196	25.0	25.0	
11 Chlorodifluoromethane	51	1.411	1.411	0.000	36	249204	25.0	26.7	M
141 Ethanol	45	2.570	2.570	0.000	98	119551	1000.0	851.1	M
68 Propene oxide	58	2.631	2.631	0.000	96	321483	NC	NC	
25 Isopropyl alcohol	45	3.082	3.082	0.000	99	252699	250.0	240.4	
27 Acetonitrile	40	3.167	3.167	0.000	99	190332	250.0	240.7	
37 Isopropyl ether	45	3.953	3.953	0.000	97	783691	25.0	25.6	
39 2-Chloro-1,3-butadiene	53	3.972	3.972	0.000	92	302368	25.0	27.7	
40 1,1-Dimethoxyethane	75	4.020	4.020	0.000	100	252934	125.0	130.6	
41 Tert-butyl ethyl ether	59	4.289	4.289	0.000	99	645354	25.0	25.5	
45 Ethyl acetate	43	4.545	4.545	0.000	99	579467	50.0	51.3	
46 Propionitrile	54	4.581	4.581	0.000	99	467024	250.0	267.3	
47 Methacrylonitrile	41	4.697	4.697	0.000	97	1863146	250.0	259.2	
146 Isooctane	57	5.307	5.307	0.000	97	868636	25.0	26.9	
140 t-Amyl alcohol	59	5.331	5.331	0.000	82	367624	250.0	250.8	
58 Tert-amyl methyl ether	73	5.349	5.349	0.000	96	694986	25.0	25.6	
1 1,4-Difluorobenzene	114	5.630	5.630	0.000	95	522328	25.0	26.4	
60 n-Butanol	56	5.892	5.892	0.000	89	254544	625.0	606.6	
145 Ethyl acrylate	55	5.990	5.990	0.000	98	344889	25.0	25.3	
64 Methyl methacrylate	41	6.203	6.203	0.000	95	515606	50.0	51.2	
69 2-Nitropropane	43	6.611	6.611	0.000	97	117360	50.0	52.1	
71 Epichlorohydrin	57	6.746	6.746	0.000	99	324809	250.0	270.2	
75 2-Methylthiophene	97	7.233	7.233	0.000	98	615519	25.0	25.9	
77 3-Methylthiophene	97	7.398	7.398	0.000	99	647154	25.0	25.6	
149 n-Butyl acetate	43	7.910	7.910	0.000	99	424796	25.0	23.7	
139 1-Chlorohexane	55	8.495	8.495	0.000	90	218353	25.0	27.4	
85 3-Chlorobenzotrifluoride	180	8.514	8.514	0.000	92	255517	25.0	27.8	
87 4-Chlorobenzotrifluoride	180	8.574	8.574	0.000	96	243860	25.0	26.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.489	9.489	0.000	97	269255	25.0	27.2	
96 Cyclohexanone	55	9.727	9.727	0.000	94	131297	250.0	247.7	
103 3-Chlorotoluene	126	10.160	10.160	0.000	96	237660	25.0	26.0	
108 Pentachloroethane	167	10.544	10.544	0.000	91	89017	25.0	26.1	
112 Dicyclopentadiene	66	10.909	10.909	0.000	97	979227	25.0	25.5	
114 1,2,3-Trimethylbenzene	105	10.952	10.952	0.000	97	906987	25.0	26.3	
143 Benzyl chloride	126	11.056	11.056	0.000	98	115667	25.0	28.0	
118 1,3,5-Trichlorobenzene	180	12.135	12.135	0.000	98	383914	25.0	26.0	
142 2-Methylnaphthalene	142	13.799	13.799	0.000	94	699667	25.0	27.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

2MTP_WRK_00046	Amount Added: 12.50	Units: uL
3MTP_WRK_00048	Amount Added: 12.50	Units: uL
ADD CORP mix_00034	Amount Added: 12.50	Units: uL
G_8260_IS_00096	Amount Added: 1.00	Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42404.D

Injection Date: 14-Sep-2015 02:00:30

Instrument ID: HP5973G

Operator ID: jg

Lims ID: IC 12

Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL

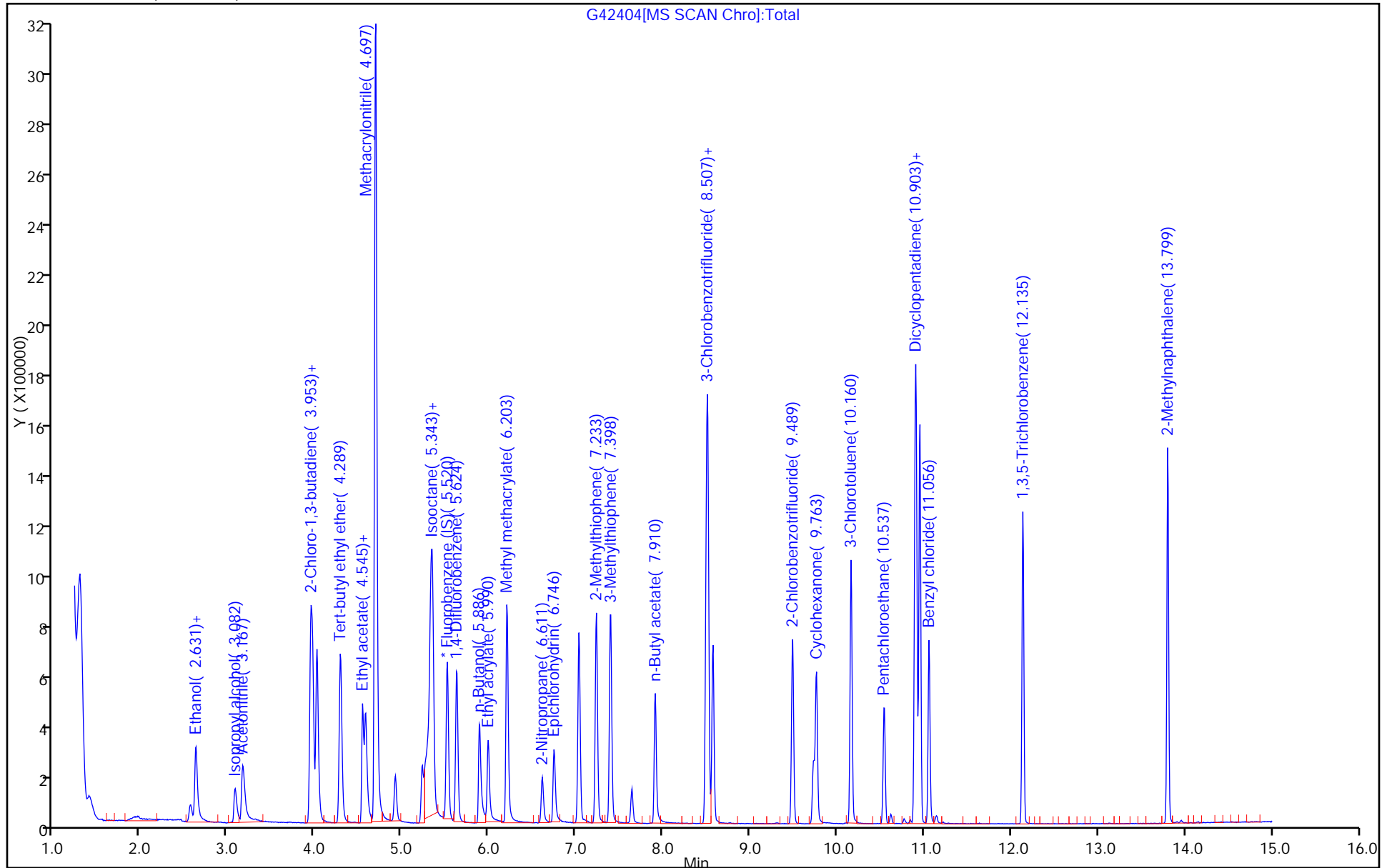
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



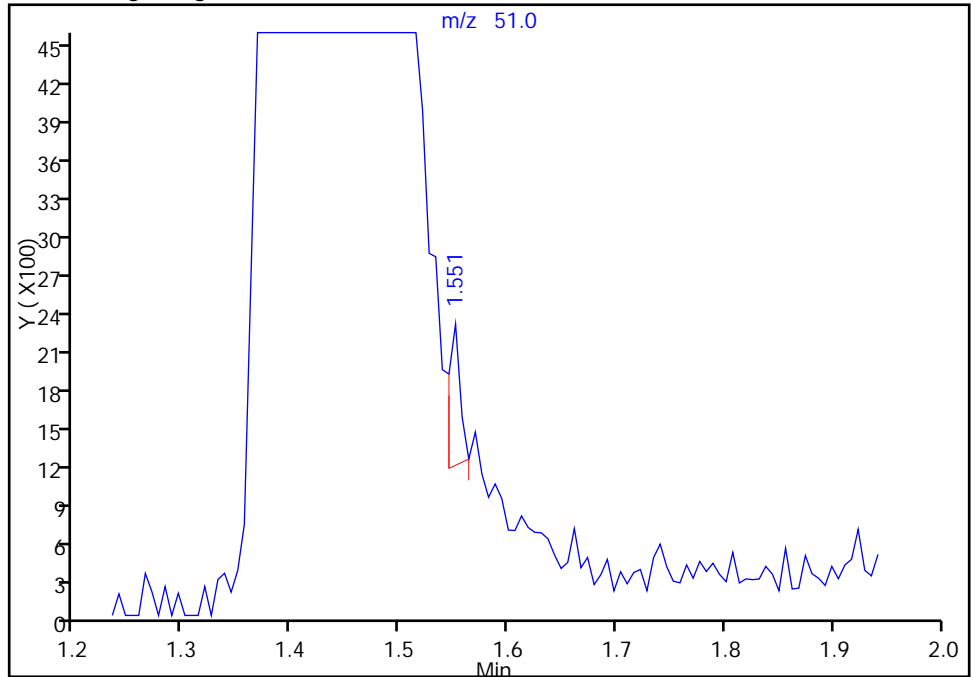
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42404.D
Injection Date: 14-Sep-2015 02:00:30 Instrument ID: HP5973G
Lims ID: IC 12
Client ID:
Operator ID: jg ALS Bottle#: 20 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

11 Chlorodifluoromethane, CAS: 75-45-6

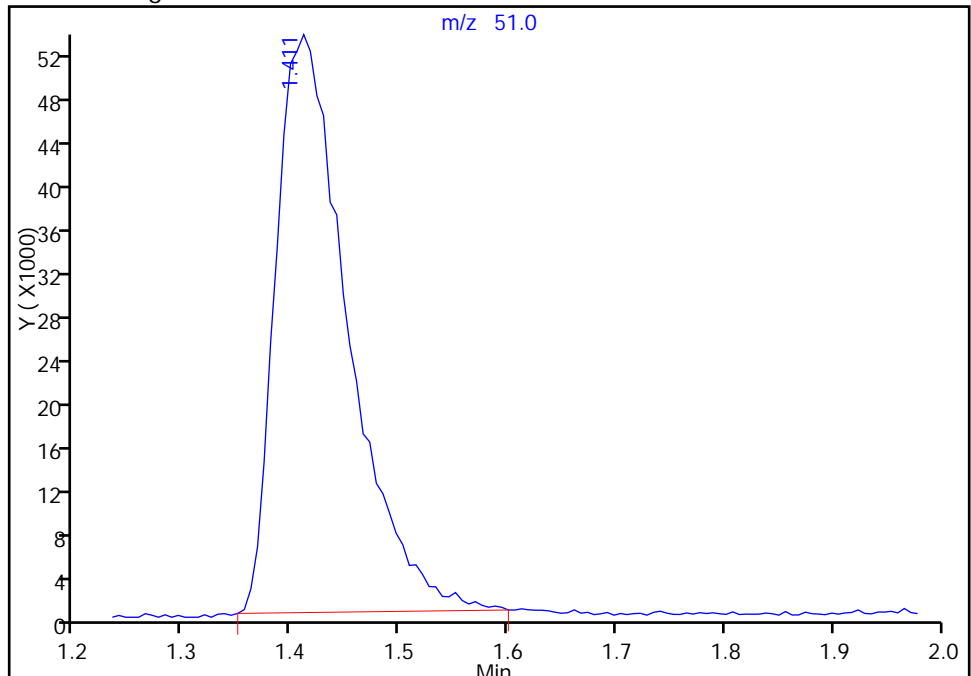
RT: 1.55
Area: 806
Amount: 0.337683
Amount Units: ug/L

Processing Integration Results



RT: 1.41
Area: 249204
Amount: 26.747666
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 10:32:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

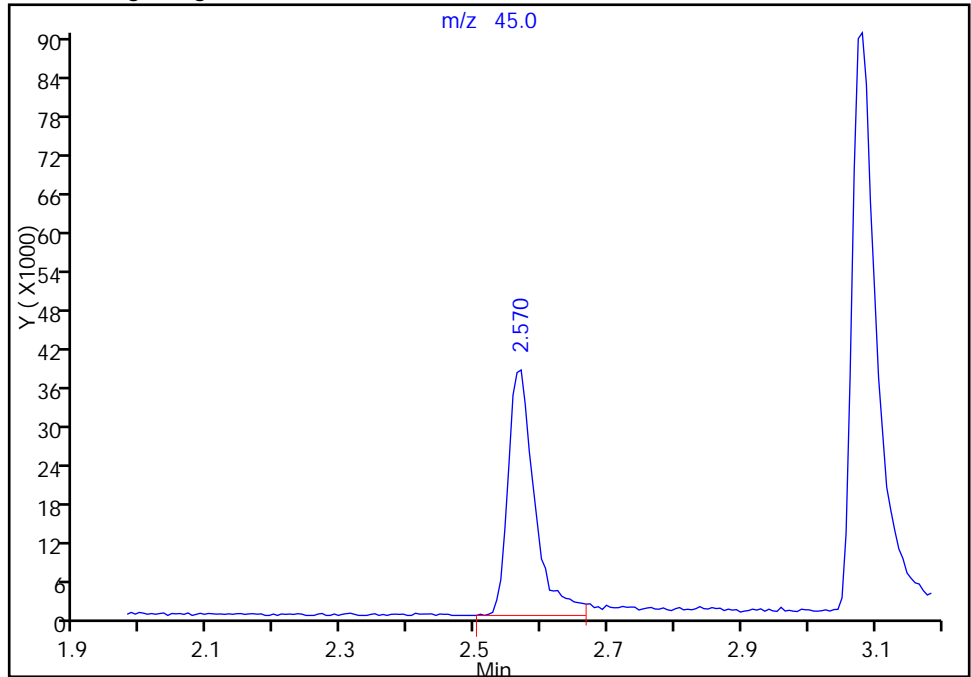
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42404.D
Injection Date: 14-Sep-2015 02:00:30 Instrument ID: HP5973G
Lims ID: IC 12
Client ID:
Operator ID: jg ALS Bottle#: 20 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

141 Ethanol, CAS: 64-17-5

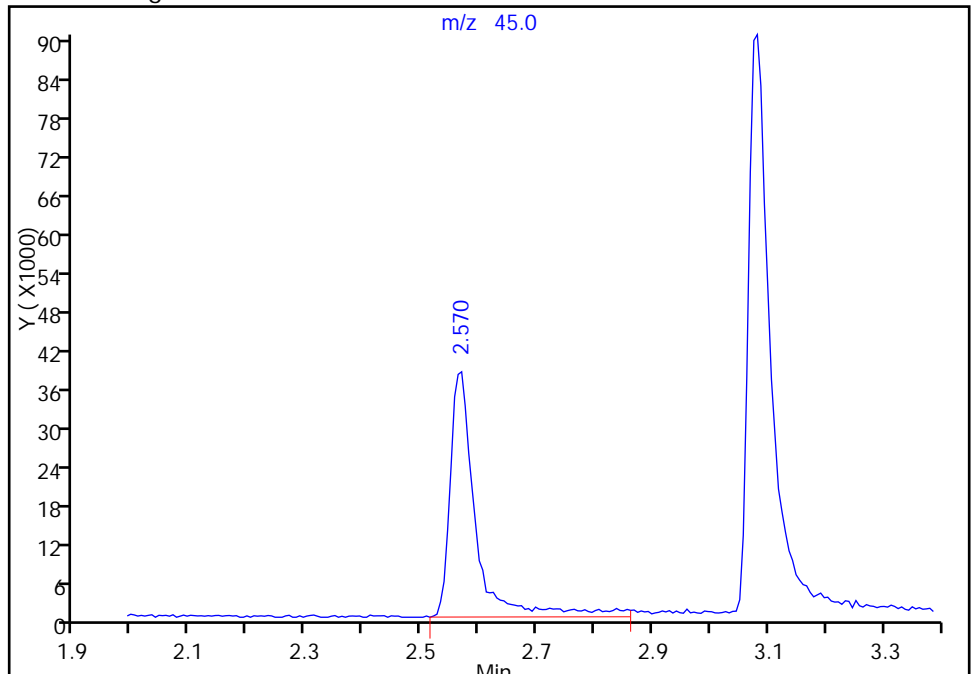
RT: 2.57
Area: 107248
Amount: 735.2096
Amount Units: ug/L

Processing Integration Results



RT: 2.57
Area: 119551
Amount: 851.0750
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 14-Sep-2015 16:25:10
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42405.D
 Lims ID: IC 13
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 14-Sep-2015 02:22:30 ALS Bottle#: 21 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 13
 Misc. Info.: 480-0046201-019
 Operator ID: jg Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub22
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Sep-2015 02:55:20 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK019

First Level Reviewer: gentilej

Date: 14-Sep-2015 10:40:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.520	0.000	99	111158	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	79	237212	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.897	0.000	96	283074	25.0	25.0	
11 Chlorodifluoromethane	51	1.411	1.411	0.000	1	491838	50.0	52.6	M
141 Ethanol	45	2.564	2.570	-0.006	98	237336	2000.0	1684.2	M
68 Propene oxide	58	2.631	2.631	0.001	96	601770	NC	NC	
25 Isopropyl alcohol	45	3.076	3.082	-0.006	99	520483	500.0	493.6	
27 Acetonitrile	40	3.161	3.167	-0.006	99	410490	500.0	517.4	
37 Isopropyl ether	45	3.947	3.953	-0.006	97	1541803	50.0	50.3	
39 2-Chloro-1,3-butadiene	53	3.972	3.972	0.000	93	591182	50.0	54.1	
40 1,1-Dimethoxyethane	75	4.021	4.020	0.001	99	500999	250.0	257.9	
41 Tert-butyl ethyl ether	59	4.289	4.289	0.000	99	1267384	50.0	49.8	
45 Ethyl acetate	43	4.545	4.545	0.000	99	1148317	100.0	101.3	
46 Propionitrile	54	4.575	4.581	-0.006	99	943704	500.0	538.4	
47 Methacrylonitrile	41	4.697	4.697	0.000	97	3585763	500.0	497.3	
146 Isooctane	57	5.307	5.307	0.000	97	1841213	50.0	56.8	
140 t-Amyl alcohol	59	5.325	5.331	-0.006	86	733024	500.0	498.5	
58 Tert-amyl methyl ether	73	5.344	5.349	-0.005	96	1378132	50.0	50.6	
1 1,4-Difluorobenzene	114	5.624	5.630	-0.006	95	1019590	50.0	51.3	
60 n-Butanol	56	5.886	5.892	-0.006	90	563845	1250.0	1308.5	
145 Ethyl acrylate	55	5.990	5.990	0.000	98	722117	50.0	52.1	
64 Methyl methacrylate	41	6.203	6.203	0.000	95	1037202	100.0	102.7	
69 2-Nitropropane	43	6.612	6.611	0.001	97	265097	100.0	118.5	
71 Epichlorohydrin	57	6.746	6.746	0.000	99	646499	500.0	536.1	
75 2-Methylthiophene	97	7.233	7.233	0.000	98	1205838	50.0	51.2	
77 3-Methylthiophene	97	7.392	7.398	-0.006	100	1258722	50.0	50.2	
149 n-Butyl acetate	43	7.904	7.910	-0.006	99	887508	50.0	49.3	
139 1-Chlorohexane	55	8.495	8.495	0.000	93	422291	50.0	53.5	
85 3-Chlorobenzotrifluoride	180	8.514	8.514	0.000	92	496700	50.0	54.4	
87 4-Chlorobenzotrifluoride	180	8.575	8.574	0.001	96	475493	50.0	52.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.489	9.489	0.000	97	524200	50.0	53.4	
96 Cyclohexanone	55	9.727	9.727	0.000	94	272205	500.0	521.2	
103 3-Chlorotoluene	126	10.160	10.160	0.000	96	466427	50.0	51.5	
108 Pentachloroethane	167	10.544	10.544	0.000	92	178720	50.0	52.8	
112 Dicyclopentadiene	66	10.910	10.909	0.001	96	1897136	50.0	49.7	
114 1,2,3-Trimethylbenzene	105	10.952	10.952	0.000	97	1721949	50.0	50.3	
143 Benzyl chloride	126	11.056	11.056	0.000	98	229807	50.0	55.5	
118 1,3,5-Trichlorobenzene	180	12.135	12.135	0.000	98	740676	50.0	50.6	
142 2-Methylnaphthalene	142	13.799	13.799	0.000	95	1381052	50.0	54.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

2MTP_WRK_00046	Amount Added: 25.00	Units: uL
3MTP_WRK_00048	Amount Added: 25.00	Units: uL
ADD CORP mix_00034	Amount Added: 25.00	Units: uL
G_8260_IS_00096	Amount Added: 1.00	Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42405.D

Injection Date: 14-Sep-2015 02:22:30

Instrument ID: HP5973G

Operator ID: jg

Lims ID: IC 13

Worklist Smp#: 19

Client ID:

Purge Vol: 5.000 mL

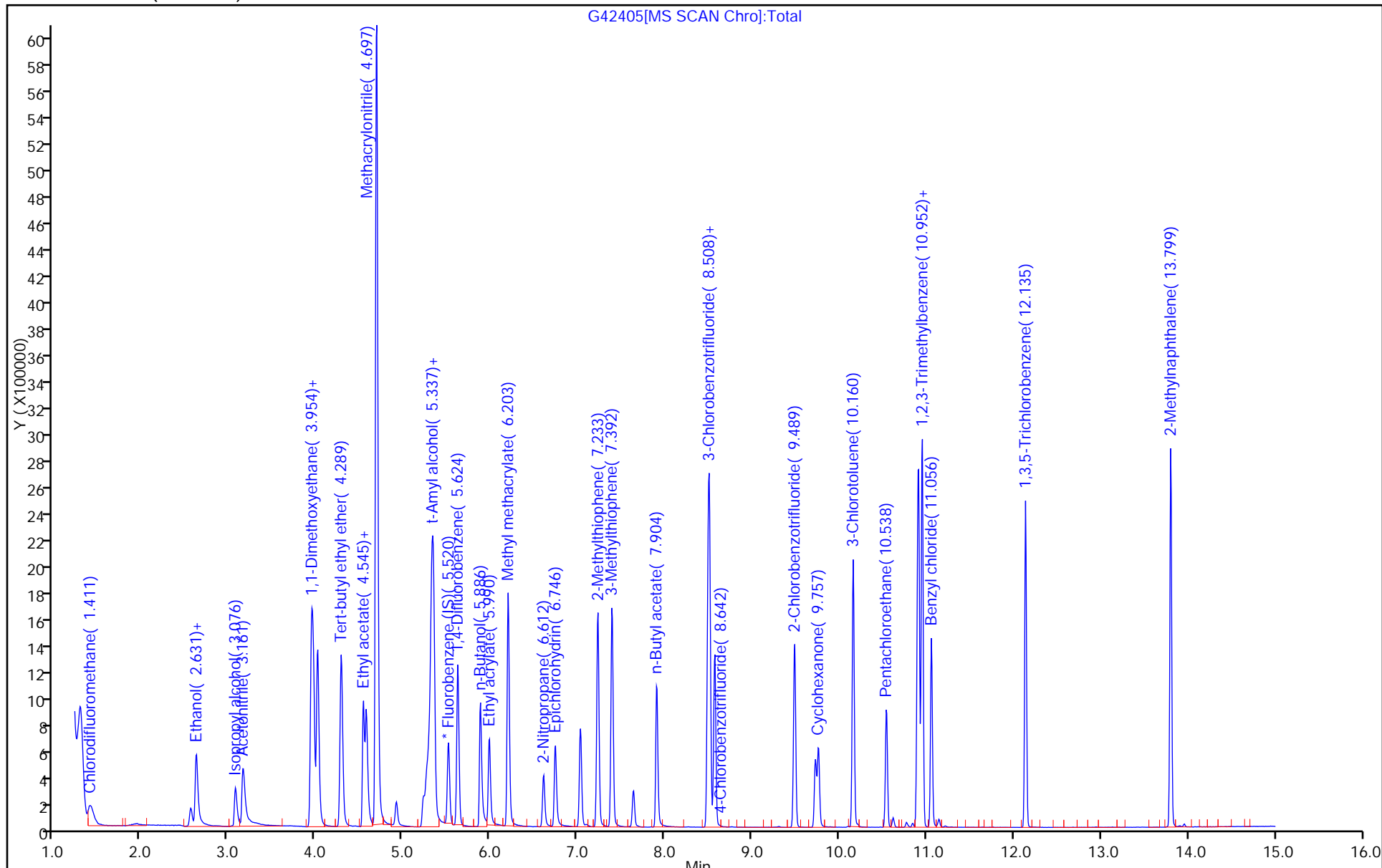
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



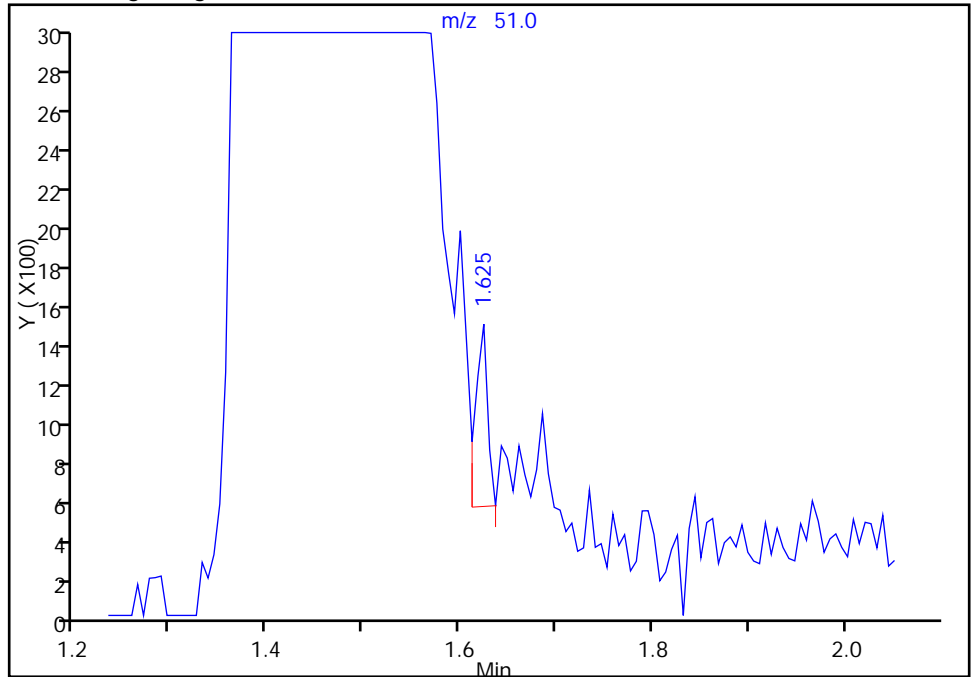
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42405.D
Injection Date: 14-Sep-2015 02:22:30 Instrument ID: HP5973G
Lims ID: IC 13
Client ID:
Operator ID: jg ALS Bottle#: 21 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

11 Chlorodifluoromethane, CAS: 75-45-6

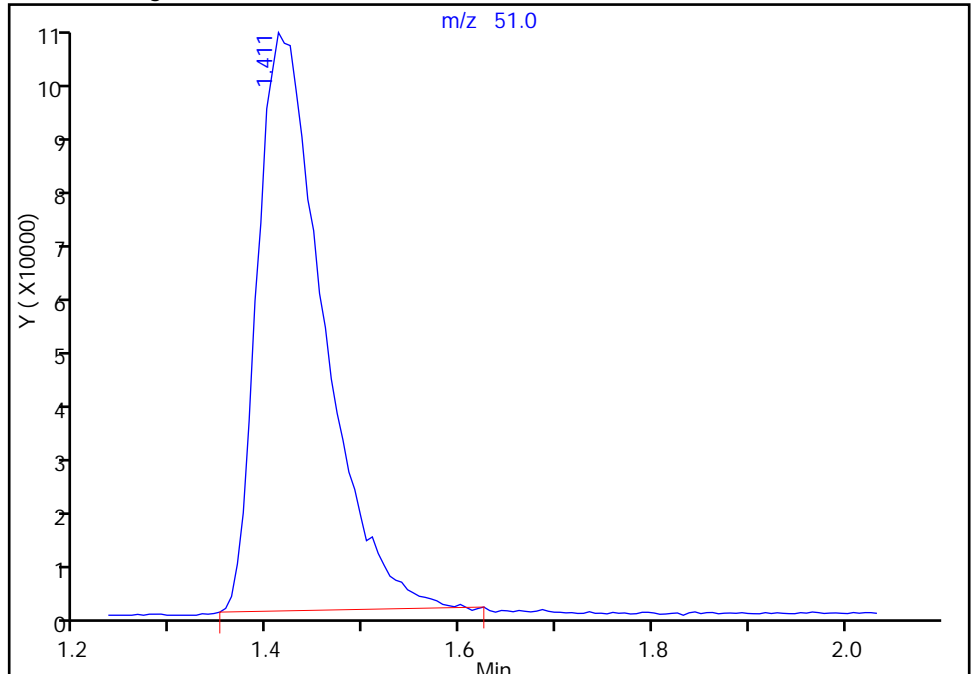
RT: 1.62
Area: 795
Amount: 0.111776
Amount Units: ug/L

Processing Integration Results



RT: 1.41
Area: 491838
Amount: 52.622514
Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 14-Sep-2015 10:40:44
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

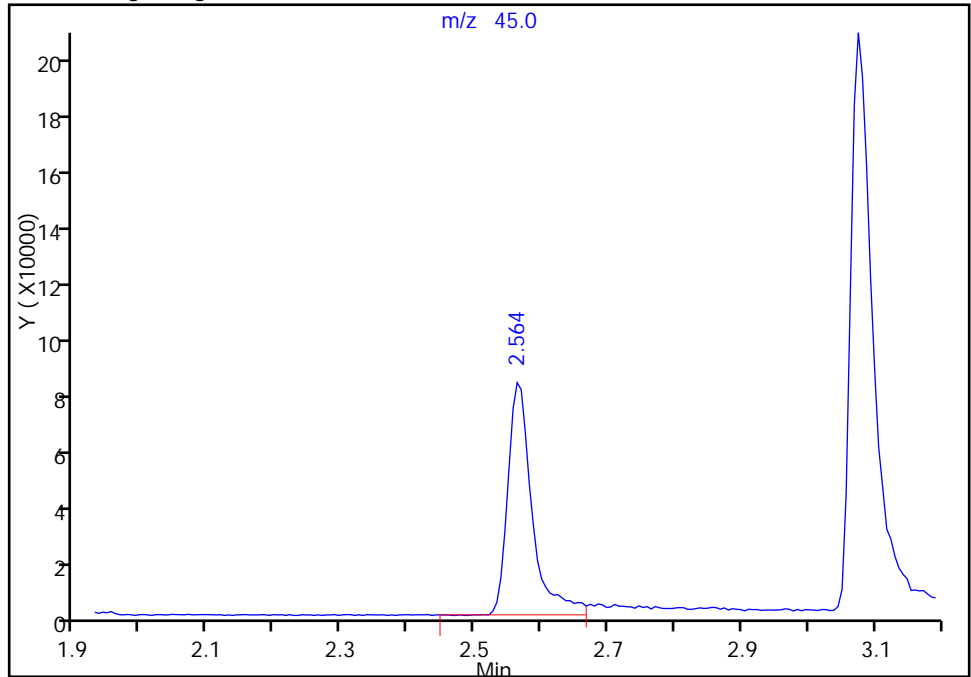
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42405.D
Injection Date: 14-Sep-2015 02:22:30 Instrument ID: HP5973G
Lims ID: IC 13
Client ID:
Operator ID: jg ALS Bottle#: 21 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

141 Ethanol, CAS: 64-17-5

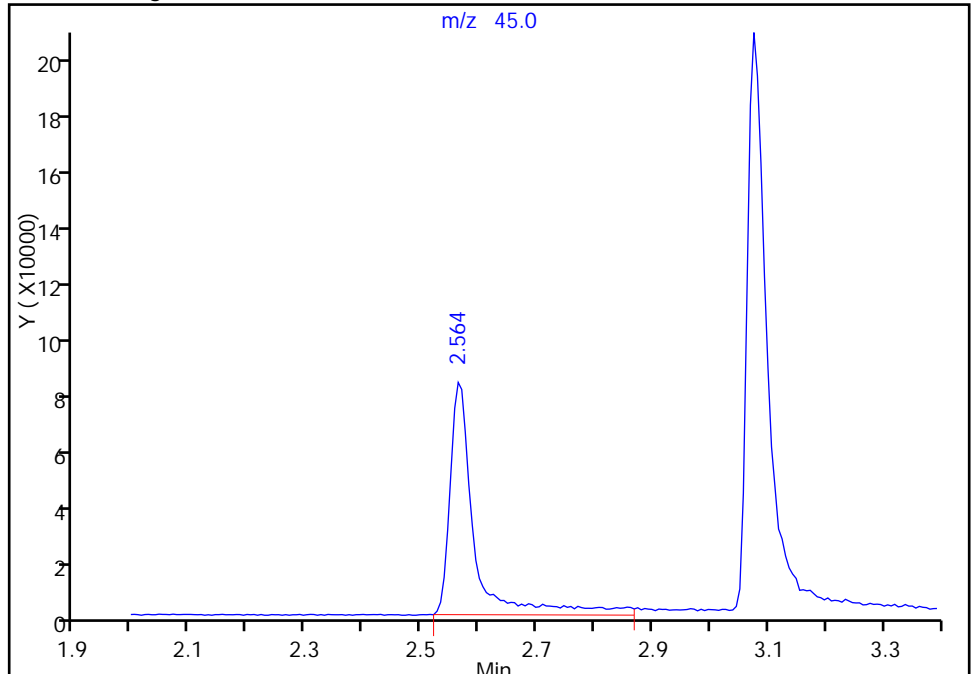
RT: 2.56
Area: 204041
Amount: 1377.7065
Amount Units: ug/L

Processing Integration Results



RT: 2.56
Area: 237336
Amount: 1684.2124
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 14-Sep-2015 16:25:32
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Lims ID: IC 14
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 14-Sep-2015 02:45:30 ALS Bottle#: 22 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 14
 Misc. Info.: 480-0046201-020
 Operator ID: jg Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub22
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Sep-2015 02:55:32 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK019

First Level Reviewer: gentilej

Date: 14-Sep-2015 10:59:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.520	0.000	99	115245	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	85	236393	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.897	10.897	0.000	99	286360	25.0	25.0	
11 Chlorodifluoromethane	51	1.411	1.411	0.000	97	871258	100.0	89.9	
141 Ethanol	45	2.557	2.570	-0.013	99	388208	4000.0	2657.2	
68 Propene oxide	58	2.631	2.631	0.001	96	1193811	NC	NC	
25 Isopropyl alcohol	45	3.070	3.082	-0.012	99	968232	1000.0	885.6	
27 Acetonitrile	40	3.161	3.167	-0.006	99	783349	1000.0	952.4	
37 Isopropyl ether	45	3.947	3.953	-0.006	97	2935067	100.0	92.3	
39 2-Chloro-1,3-butadiene	53	3.972	3.972	0.000	92	1059726	100.0	93.5	
40 1,1-Dimethoxyethane	75	4.021	4.020	0.001	99	978805	500.0	486.0	
41 Tert-butyl ethyl ether	59	4.289	4.289	0.000	99	2461117	100.0	93.3	
45 Ethyl acetate	43	4.539	4.545	-0.006	99	2232179	200.0	189.9	
46 Propionitrile	54	4.575	4.581	-0.006	99	1775408	1000.0	976.9	
47 Methacrylonitrile	41	4.697	4.697	0.000	96	6430320	1000.0	860.3	
146 Isooctane	57	5.307	5.307	0.000	93	2740996	100.0	81.5	
140 t-Amyl alcohol	59	5.325	5.331	-0.006	82	1434175	1000.0	940.7	
58 Tert-amyl methyl ether	73	5.344	5.349	-0.005	96	2639906	100.0	93.5	
1 1,4-Difluorobenzene	114	5.624	5.630	-0.006	95	1874337	100.0	91.0	
60 n-Butanol	56	5.880	5.892	-0.012	89	1132535	2500.0	2511.0	
145 Ethyl acrylate	55	5.984	5.990	-0.006	98	1419331	100.0	98.3	
64 Methyl methacrylate	41	6.203	6.203	0.000	95	1994614	200.0	190.5	
69 2-Nitropropane	43	6.612	6.611	0.001	96	569658	200.0	251.8	
71 Epichlorohydrin	57	6.746	6.746	0.000	100	1211927	1000.0	969.4	
75 2-Methylthiophene	97	7.233	7.233	0.000	98	2253327	100.0	94.5	
77 3-Methylthiophene	97	7.392	7.398	-0.006	100	2364517	100.0	93.2	
149 n-Butyl acetate	43	7.904	7.910	-0.006	99	1720197	100.0	92.1	
139 1-Chlorohexane	55	8.495	8.495	0.000	90	734264	100.0	94.0	
85 3-Chlorobenzotrifluoride	180	8.514	8.514	0.000	93	871506	100.0	94.4	
87 4-Chlorobenzotrifluoride	180	8.575	8.574	0.001	97	838766	100.0	91.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.489	9.489	0.000	97	954247	100.0	96.1	
96 Cyclohexanone	55	9.727	9.727	0.000	94	517126	1000.0	981.9	
103 3-Chlorotoluene	126	10.160	10.160	0.000	98	876368	100.0	95.6	
108 Pentachloroethane	167	10.544	10.544	0.000	93	345051	100.0	100.7	
112 Dicyclopentadiene	66	10.910	10.909	0.001	97	3415016	100.0	88.5	
114 1,2,3-Trimethylbenzene	105	10.952	10.952	0.000	97	3211819	100.0	92.8	
143 Benzyl chloride	126	11.056	11.056	0.000	98	452885	100.0	109.7	
118 1,3,5-Trichlorobenzene	180	12.135	12.135	0.000	98	1365376	100.0	92.1	
142 2-Methylnaphthalene	142	13.799	13.799	0.000	93	2449787	100.0	94.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

2MTP_WRK_00046	Amount Added: 50.00	Units: uL
3MTP_WRK_00048	Amount Added: 50.00	Units: uL
ADD CORP mix_00034	Amount Added: 50.00	Units: uL
G_8260_IS_00096	Amount Added: 1.00	Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D

Injection Date: 14-Sep-2015 02:45:30

Instrument ID: HP5973G

Operator ID: jg

Lims ID: IC 14

Worklist Smp#: 20

Client ID:

Purge Vol: 5.000 mL

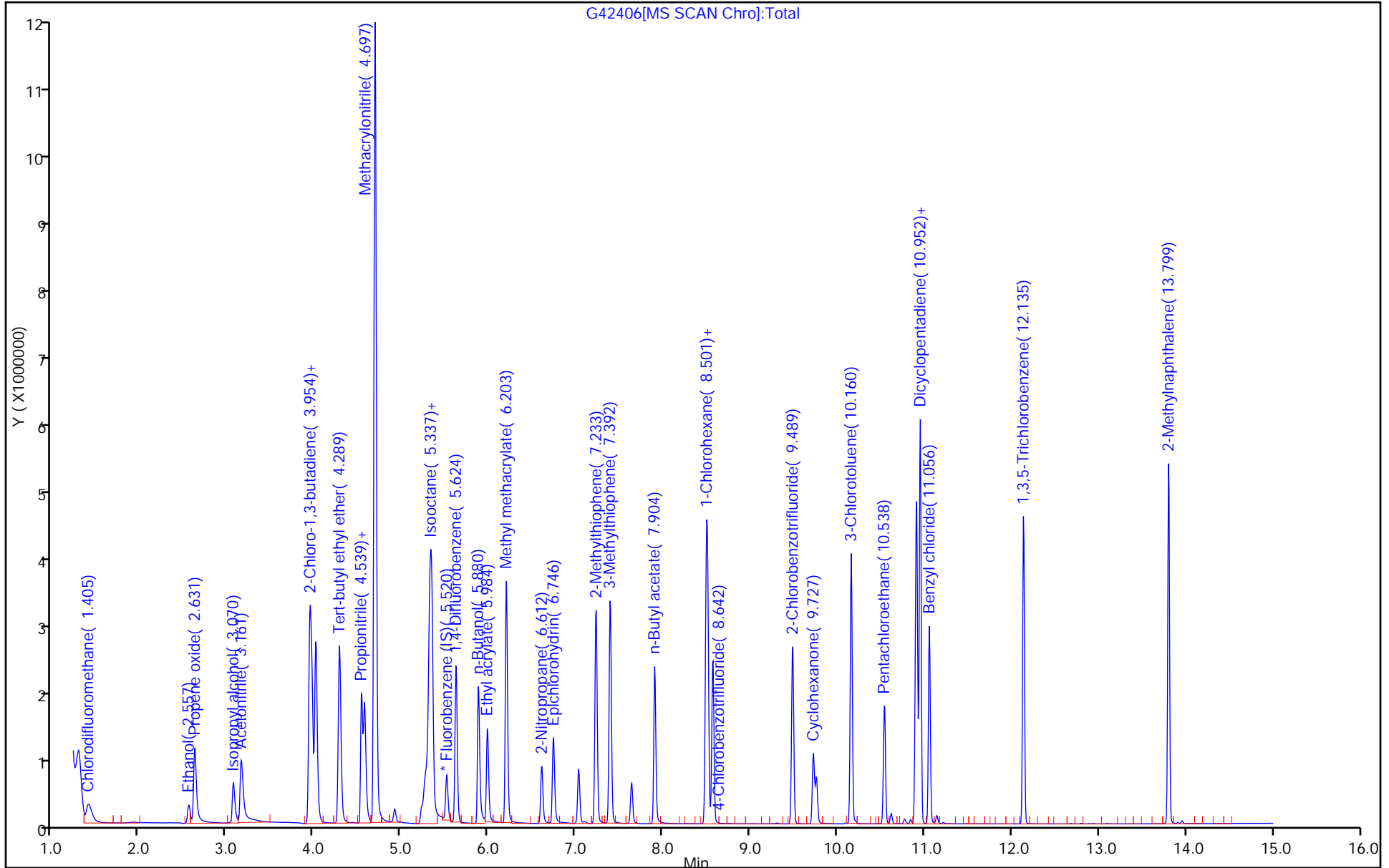
Dil. Factor: 1.0000

ALS Bottle#: 22

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



G42406[MS SCAN Chro]:Total

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-266343/3 Calibration Date: 09/30/2015 22:32
 Instrument ID: HP5973G Calib Start Date: 09/13/2015 20:45
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/13/2015 23:00
 Lab File ID: G43118.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.862	1.585	0.1000	21.3	25.0	-14.9	50.0
Chloromethane	Ave	2.622	2.567	0.1000	24.5	25.0	-2.1	20.0
Vinyl chloride	Ave	2.075	2.021	0.1000	24.3	25.0	-2.6	20.0
Butadiene	Ave	2.329	1.941		20.8	25.0	-16.7	20.0
Bromomethane	Ave	0.6082	0.6824	0.1000	28.1	25.0	12.2	50.0
Chloroethane	Ave	0.9178	0.9474	0.1000	25.8	25.0	3.2	50.0
Dichlorofluoromethane	Ave	2.353	2.491		26.5	25.0	5.9	20.0
Trichlorofluoromethane	Ave	2.151	2.039	0.1000	23.7	25.0	-5.2	20.0
Ethyl ether	Ave	1.583	1.593		25.1	25.0	0.6	20.0
Acrolein	Ave	0.2348	0.2394		127	125	1.9	50.0
1,1-Dichloroethene	Ave	1.785	1.767	0.1000	24.8	25.0	-1.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.518	1.587	0.1000	26.1	25.0	4.5	20.0
Acetone	Ave	0.8602	0.9339	0.1000	136	125	8.6	50.0
Iodomethane	Ave	2.953	2.558		21.7	25.0	-13.4	20.0
Carbon disulfide	Ave	4.691	4.333	0.1000	23.1	25.0	-7.6	20.0
Allyl chloride	Ave	1.215	1.797		37.0	25.0	48.0*	20.0
Methyl acetate	Ave	2.429	2.560	0.1000	132	125	5.4	50.0
Methylene Chloride	Lin1		2.049	0.1000	29.9	25.0	19.5	20.0
2-Methyl-2-propanol	Ave	0.3655	0.4174		286	250	14.2	50.0
Methyl tert-butyl ether	Ave	4.776	5.325	0.1000	27.9	25.0	11.5	20.0
trans-1,2-Dichloroethene	Ave	1.636	1.547	0.1000	23.6	25.0	-5.4	20.0
Acrylonitrile	Ave	1.038	1.132		273	250	9.0	20.0
Hexane	Ave	2.955	2.689		22.8	25.0	-9.0	20.0
1,1-Dichloroethane	Ave	2.871	2.817	0.2000	24.5	25.0	-1.9	20.0
Vinyl acetate	Ave	3.062	3.487		56.9	50.0	13.9	20.0
2,2-Dichloropropane	Ave	1.044	1.282		30.7	25.0	22.7*	20.0
cis-1,2-Dichloroethene	Ave	1.547	1.630	0.1000	26.3	25.0	5.3	20.0
2-Butanone (MEK)	Ave	1.383	1.565	0.1000	141	125	13.2	20.0
Chlorobromomethane	Ave	0.8000	0.8194		25.6	25.0	2.4	20.0
Tetrahydrofuran	Ave	1.077	1.157		53.7	50.0	7.4	20.0
Chloroform	Ave	1.545	1.553	0.2000	25.1	25.0	0.5	20.0
1,1,1-Trichloroethane	Ave	1.902	1.776	0.1000	23.4	25.0	-6.6	20.0
Cyclohexane	Ave	3.937	3.286	0.1000	20.9	25.0	-16.6	20.0
Carbon tetrachloride	Ave	1.821	1.604	0.1000	22.0	25.0	-11.9	20.0
1,1-Dichloropropene	Ave	1.934	1.972		25.5	25.0	2.0	20.0
Benzene	Ave	5.917	6.154	0.5000	26.0	25.0	4.0	20.0
Isobutyl alcohol	Ave	0.1785	0.2120		742	625	18.7	50.0
1,2-Dichloroethane	Ave	2.132	2.172	0.1000	25.5	25.0	1.9	20.0
n-Heptane	Ave	3.620	3.368		23.3	25.0	-7.0	20.0
Trichloroethene	Ave	1.455	1.507	0.2000	25.9	25.0	3.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-266343/3 Calibration Date: 09/30/2015 22:32
 Instrument ID: HP5973G Calib Start Date: 09/13/2015 20:45
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/13/2015 23:00
 Lab File ID: G43118.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.874	2.474	0.1000	21.5	25.0	-13.9	20.0
1,2-Dichloropropane	Ave	1.669	1.722	0.1000	25.8	25.0	3.1	20.0
Dibromomethane	Ave	0.8850	0.9045	0.1000	25.5	25.0	2.2	20.0
1,4-Dioxane	Ave	0.0096	0.0112		582	500	16.5	50.0
Bromodichloromethane	Ave	1.664	1.737	0.2000	26.1	25.0	4.4	20.0
2-Chloroethyl vinyl ether	Ave	1.250	1.389		27.8	25.0	11.1	20.0
cis-1,3-Dichloropropene	Ave	2.379	2.543	0.2000	26.7	25.0	6.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.339	1.457	0.1000	136	125	8.8	20.0
Toluene	Ave	1.886	1.891	0.4000	25.1	25.0	0.3	20.0
trans-1,3-Dichloropropene	Ave	1.021	1.063	0.1000	26.0	25.0	4.1	20.0
Ethyl methacrylate	Ave	1.082	1.170		27.0	25.0	8.1	20.0
1,1,2-Trichloroethane	Ave	0.5340	0.5602	0.1000	26.2	25.0	4.9	20.0
Tetrachloroethene	Ave	0.7986	0.7441	0.2000	23.3	25.0	-6.8	20.0
1,3-Dichloropropane	Ave	1.185	1.245		26.3	25.0	5.0	20.0
2-Hexanone	Ave	0.9251	1.075	0.1000	145	125	16.2	20.0
Dibromochloromethane	Ave	0.6867	0.6613	0.1000	24.1	25.0	-3.7	20.0
1,2-Dibromoethane	Ave	0.7151	0.7501		26.2	25.0	4.9	20.0
Chlorobenzene	Ave	2.181	2.141	0.5000	24.5	25.0	-1.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7338	0.6880		23.4	25.0	-6.2	20.0
Ethylbenzene	Ave	3.554	3.560	0.1000	25.0	25.0	0.2	20.0
m,p-Xylene	Ave	1.516	1.478	0.1000	24.4	25.0	-2.5	20.0
o-Xylene	Ave	1.501	1.458	0.3000	24.3	25.0	-2.9	20.0
Styrene	Ave	2.461	2.450	0.3000	24.9	25.0	-0.4	20.0
Bromoform	Ave	0.4263	0.3733	0.1000	21.9	25.0	-12.4	50.0
Isopropylbenzene	Ave	3.143	3.471	0.1000	27.6	25.0	10.4	20.0
Bromobenzene	Ave	0.8059	0.8749		27.1	25.0	8.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8785	1.034	0.3000	29.4	25.0	17.7	20.0
1,2,3-Trichloropropane	Ave	0.3031	0.3558		29.3	25.0	17.4	20.0
N-Propylbenzene	Ave	3.654	4.090		28.0	25.0	11.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3911	0.4035		25.8	25.0	3.2	50.0
2-Chlorotoluene	Ave	0.8026	0.8669		27.0	25.0	8.0	20.0
1,3,5-Trimethylbenzene	Ave	2.830	3.069		27.1	25.0	8.5	20.0
4-Chlorotoluene	Ave	0.8445	0.8862		26.2	25.0	4.9	20.0
tert-Butylbenzene	Ave	0.7030	0.7248		25.8	25.0	3.1	20.0
1,2,4-Trimethylbenzene	Ave	2.970	3.243		27.3	25.0	9.2	20.0
sec-Butylbenzene	Ave	3.695	3.941		26.7	25.0	6.7	20.0
1,3-Dichlorobenzene	Ave	1.723	1.792	0.6000	26.0	25.0	4.0	20.0
4-Isopropyltoluene	Ave	3.402	3.501		25.7	25.0	2.9	20.0
1,4-Dichlorobenzene	Ave	1.833	1.889	0.5000	25.8	25.0	3.0	20.0
n-Butylbenzene	Ave	2.837	3.043		26.8	25.0	7.3	20.0
1,2-Dichlorobenzene	Ave	1.760	1.840	0.4000	26.1	25.0	4.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-266343/3 Calibration Date: 09/30/2015 22:32
 Instrument ID: HP5973G Calib Start Date: 09/13/2015 20:45
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/13/2015 23:00
 Lab File ID: G43118.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2074	0.2235	0.0500	26.9	25.0	7.8	50.0
1,2,4-Trichlorobenzene	Ave	1.327	1.322	0.2000	24.9	25.0	-0.4	20.0
Hexachlorobutadiene	Ave	0.5265	0.4636		22.0	25.0	-11.9	20.0
Naphthalene	Ave	4.203	4.585		27.3	25.0	9.1	20.0
1,2,3-Trichlorobenzene	Ave	1.222	1.241		25.4	25.0	1.6	20.0
Dibromofluoromethane (Surr)	Ave	1.106	1.230		27.8	25.0	11.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7165	0.8622		30.1	25.0	20.3*	20.0
Toluene-d8 (Surr)	Ave	2.264	2.692		29.7	25.0	18.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7928	0.7945		25.1	25.0	0.2	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43118.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 30-Sep-2015 22:32:30 ALS Bottle#: 4 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0046784-003
 Operator ID: NMD Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub20
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2015 07:44:51 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: fortaing

Date: 01-Oct-2015 07:44:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.520	0.000	99	107050	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	85	234738	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.891	10.891	0.000	94	249588	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.917	4.917	0.000	92	131658	25.0	27.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	92301	25.0	30.1	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	93	632024	25.0	29.7	
\$ 6 4-Bromofluorobenzene (Surr	174	9.763	9.763	0.000	88	186498	25.0	25.1	
10 Dichlorodifluoromethane	85	1.375	1.375	0.000	99	169688	25.0	21.3	
12 Chloromethane	50	1.552	1.552	0.000	99	274802	25.0	24.5	
13 Vinyl chloride	62	1.643	1.643	0.000	97	216321	25.0	24.3	
144 Butadiene	54	1.667	1.667	0.000	90	207808	25.0	20.8	
14 Bromomethane	94	1.997	1.997	0.000	91	73051	25.0	28.1	
15 Chloroethane	64	2.076	2.076	0.000	82	101416	25.0	25.8	
16 Dichlorofluoromethane	67	2.277	2.277	0.000	96	266671	25.0	26.5	
17 Trichlorofluoromethane	101	2.277	2.277	0.000	79	218260	25.0	23.7	
18 Ethyl ether	59	2.551	2.551	0.000	96	170481	25.0	25.1	
19 Acrolein	56	2.710	2.710	0.000	100	128118	125.0	127.4	
20 1,1-Dichloroethene	96	2.801	2.801	0.000	97	189183	25.0	24.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.807	2.807	0.000	89	169880	25.0	26.1	
22 Acetone	43	2.875	2.875	0.000	99	499888	125.0	135.7	
23 Iodomethane	142	2.972	2.972	0.000	98	273850	25.0	21.7	
24 Carbon disulfide	76	2.990	2.990	0.000	100	463842	25.0	23.1	
26 3-Chloro-1-propene	41	3.118	3.118	0.000	90	192380	25.0	37.0	
28 Methyl acetate	43	3.173	3.173	0.000	100	1370449	125.0	131.8	
29 Methylene Chloride	84	3.326	3.326	0.000	96	219330	25.0	29.9	
30 2-Methyl-2-propanol	59	3.442	3.442	0.000	99	446831	250.0	285.5	
32 trans-1,2-Dichloroethene	96	3.502	3.502	0.000	93	165624	25.0	23.6	M
31 Methyl tert-butyl ether	73	3.502	3.502	0.000	98	569997	25.0	27.9	
33 Acrylonitrile	53	3.527	3.527	0.000	99	1211711	250.0	272.5	
34 Hexane	57	3.710	3.710	0.000	96	287821	25.0	22.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.905	3.905	0.000	96	301599	25.0	24.5	
38 Vinyl acetate	43	3.966	3.966	0.000	97	746558	50.0	56.9	
42 2,2-Dichloropropane	77	4.429	4.429	0.000	93	137215	25.0	30.7	
43 cis-1,2-Dichloroethene	96	4.460	4.460	0.000	83	174473	25.0	26.3	
44 2-Butanone (MEK)	43	4.496	4.496	0.000	99	837903	125.0	141.5	
48 Chlorobromomethane	128	4.691	4.691	0.000	93	87715	25.0	25.6	
49 Tetrahydrofuran	42	4.746	4.746	0.000	95	247646	50.0	53.7	
50 Chloroform	85	4.764	4.764	0.000	95	166264	25.0	25.1	
51 1,1,1-Trichloroethane	97	4.892	4.892	0.000	99	190170	25.0	23.4	
52 Cyclohexane	56	4.917	4.917	0.000	95	351717	25.0	20.9	
53 Carbon tetrachloride	117	5.045	5.045	0.000	96	171692	25.0	22.0	
54 1,1-Dichloropropene	75	5.051	5.051	0.000	95	211131	25.0	25.5	
56 Benzene	78	5.246	5.246	0.000	97	658797	25.0	26.0	
55 Isobutyl alcohol	43	5.252	5.252	0.000	96	567290	625.0	742.1	
57 1,2-Dichloroethane	62	5.301	5.301	0.000	96	232547	25.0	25.5	
59 n-Heptane	43	5.447	5.447	0.000	98	360586	25.0	23.3	
61 Trichloroethene	95	5.862	5.862	0.000	96	161354	25.0	25.9	
62 Methylcyclohexane	83	5.996	5.996	0.000	95	264811	25.0	21.5	
63 1,2-Dichloropropane	63	6.087	6.087	0.000	94	184323	25.0	25.8	
65 Dibromomethane	93	6.221	6.221	0.000	95	96821	25.0	25.5	
66 1,4-Dioxane	88	6.258	6.258	0.000	98	52601	500.0	582.4	
67 Dichlorobromomethane	83	6.374	6.374	0.000	98	185949	25.0	26.1	
70 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	91	148704	25.0	27.8	
72 cis-1,3-Dichloropropene	75	6.795	6.795	0.000	93	272187	25.0	26.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.941	6.941	0.000	98	1710220	125.0	136.1	
74 Toluene	92	7.099	7.099	0.000	98	444002	25.0	25.1	
76 trans-1,3-Dichloropropene	75	7.355	7.355	0.000	97	249576	25.0	26.0	
78 Ethyl methacrylate	69	7.422	7.422	0.000	95	274576	25.0	27.0	
79 1,1,2-Trichloroethane	83	7.544	7.544	0.000	90	131494	25.0	26.2	
80 Tetrachloroethene	166	7.636	7.636	0.000	96	174669	25.0	23.3	
81 1,3-Dichloropropane	76	7.709	7.709	0.000	98	292232	25.0	26.3	
82 2-Hexanone	43	7.782	7.782	0.000	98	1262110	125.0	145.3	
83 Chlorodibromomethane	129	7.947	7.947	0.000	91	155226	25.0	24.1	
84 Ethylene Dibromide	107	8.050	8.050	0.000	98	176080	25.0	26.2	
86 Chlorobenzene	112	8.538	8.538	0.000	95	502682	25.0	24.5	
88 1,1,1,2-Tetrachloroethane	131	8.636	8.636	0.000	95	161503	25.0	23.4	
89 Ethylbenzene	91	8.636	8.636	0.000	98	835638	25.0	25.0	
90 m-Xylene & p-Xylene	106	8.764	8.764	0.000	0	347025	25.0	24.4	
91 o-Xylene	106	9.190	9.190	0.000	97	342202	25.0	24.3	
92 Styrene	104	9.215	9.215	0.000	96	575219	25.0	24.9	
93 Bromoform	173	9.446	9.446	0.000	97	87633	25.0	21.9	
95 Isopropylbenzene	105	9.574	9.574	0.000	95	866286	25.0	27.6	
97 Bromobenzene	156	9.910	9.910	0.000	94	218368	25.0	27.1	
98 1,1,2,2-Tetrachloroethane	83	9.940	9.940	0.000	93	258046	25.0	29.4	
99 1,2,3-Trichloropropane	110	9.977	9.977	0.000	88	88794	25.0	29.3	
100 trans-1,4-Dichloro-2-buten	53	9.995	9.995	0.000	74	100715	25.0	25.8	
101 N-Propylbenzene	91	9.995	9.995	0.000	99	1020831	25.0	28.0	
102 2-Chlorotoluene	126	10.099	10.099	0.000	97	216379	25.0	27.0	
104 1,3,5-Trimethylbenzene	105	10.172	10.172	0.000	94	766029	25.0	27.1	
105 4-Chlorotoluene	126	10.208	10.208	0.000	97	221174	25.0	26.2	
106 tert-Butylbenzene	134	10.489	10.489	0.000	92	180895	25.0	25.8	
107 1,2,4-Trimethylbenzene	105	10.544	10.544	0.000	97	809468	25.0	27.3	

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	10.702	10.702	0.000	93	983671	25.0	26.7	
110 1,3-Dichlorobenzene	146	10.830	10.830	0.000	99	447372	25.0	26.0	
111 4-Isopropyltoluene	119	10.842	10.842	0.000	98	873721	25.0	25.7	
113 1,4-Dichlorobenzene	146	10.916	10.916	0.000	95	471347	25.0	25.8	
115 n-Butylbenzene	91	11.220	11.220	0.000	98	759408	25.0	26.8	
116 1,2-Dichlorobenzene	146	11.269	11.269	0.000	98	459359	25.0	26.1	
117 1,2-Dibromo-3-Chloropropan	75	11.983	11.983	0.000	84	55790	25.0	26.9	
119 1,2,4-Trichlorobenzene	180	12.671	12.671	0.000	95	329832	25.0	24.9	
120 Hexachlorobutadiene	225	12.793	12.793	0.000	96	115707	25.0	22.0	
121 Naphthalene	128	12.885	12.885	0.000	97	1144480	25.0	27.3	
122 1,2,3-Trichlorobenzene	180	13.086	13.086	0.000	97	309797	25.0	25.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00053	Amount Added: 12.50	Units: uL	
GAS CORP mix_00110	Amount Added: 12.50	Units: uL	
G_8260_IS_00098	Amount Added: 1.00	Units: uL	Run Reagent
G_8260_Surr_00110	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43118.D

Injection Date: 30-Sep-2015 22:32:30

Instrument ID: HP5973G

Operator ID: NMD

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

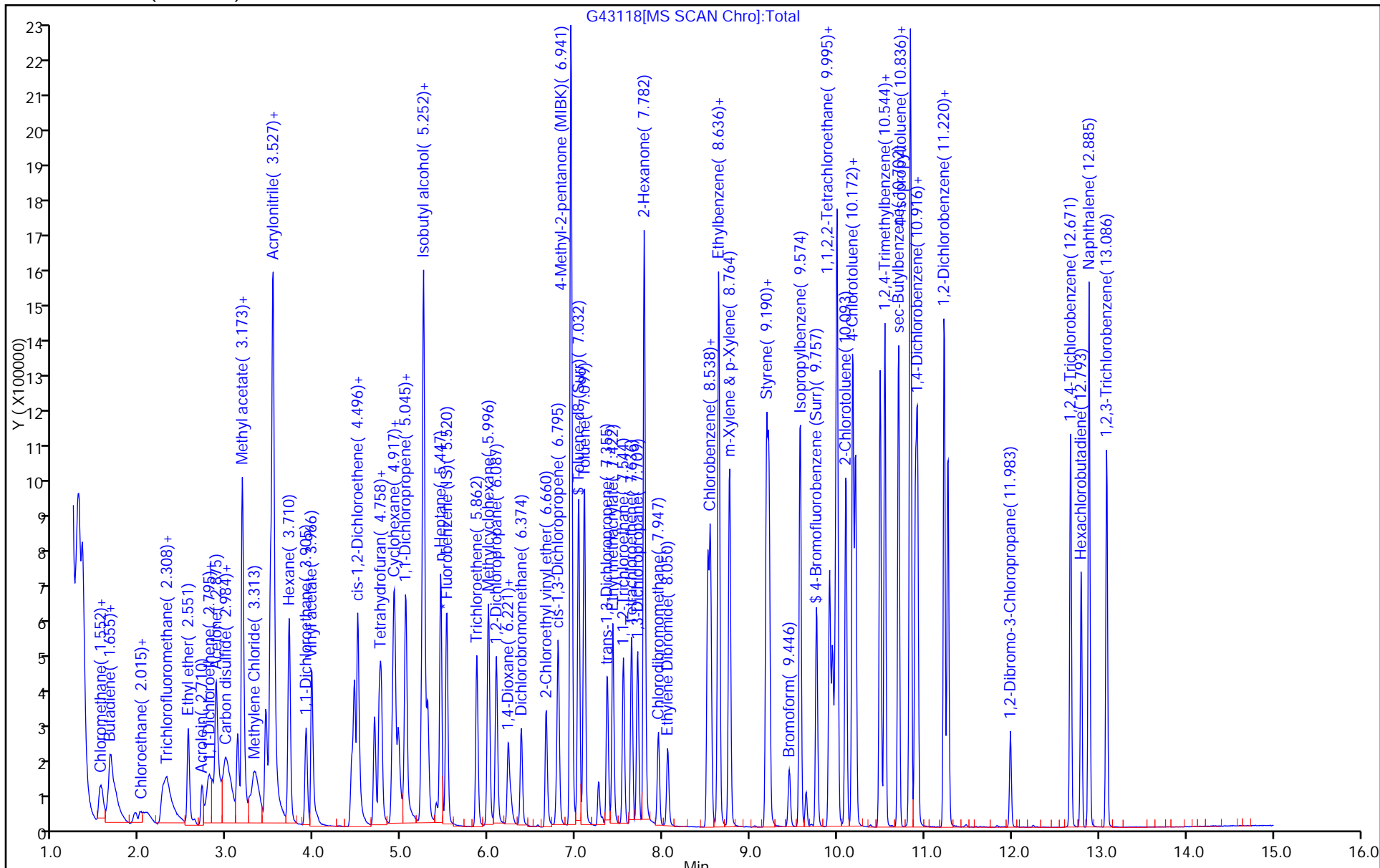
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



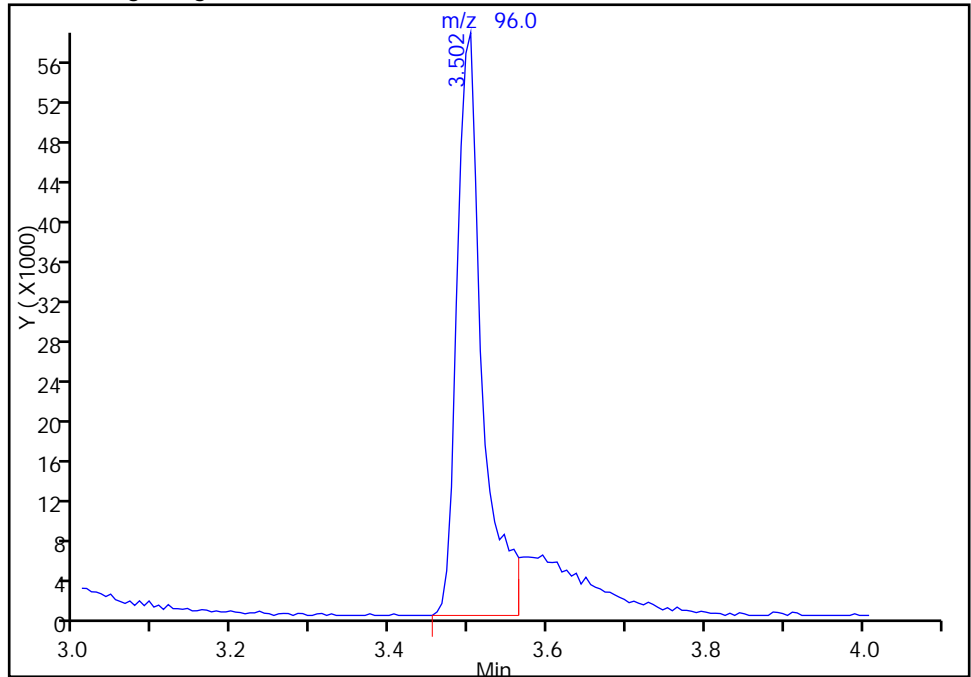
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43118.D
Injection Date: 30-Sep-2015 22:32:30 Instrument ID: HP5973G
Lims ID: CCVIS
Client ID:
Operator ID: NMD ALS Bottle#: 4 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

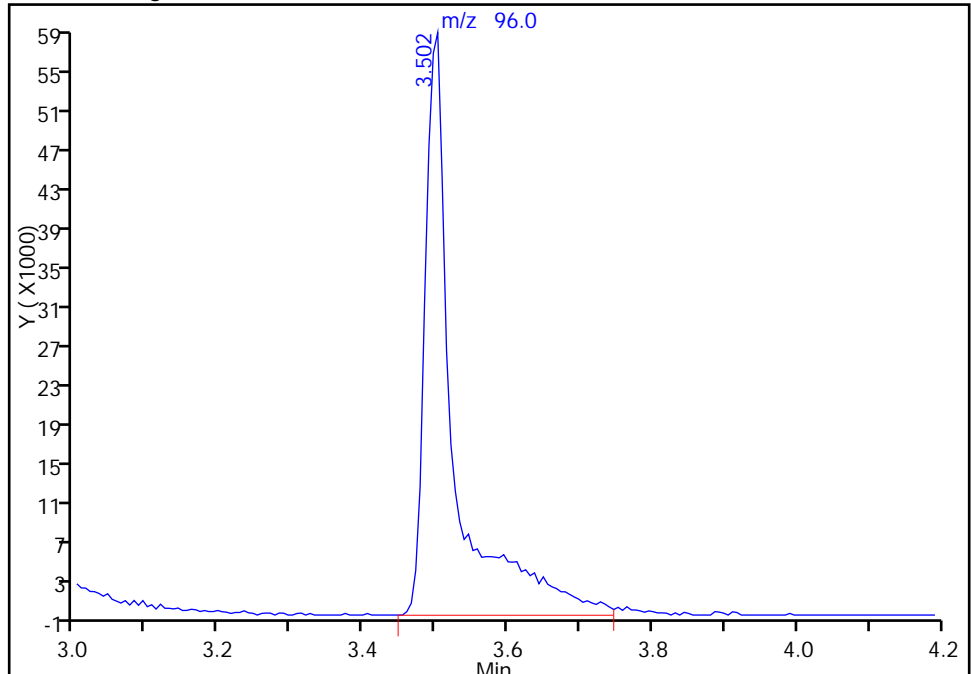
RT: 3.50
Area: 129922
Amount: 18.544251
Amount Units: ug/L

Processing Integration Results



RT: 3.50
Area: 165624
Amount: 23.640130
Amount Units: ug/L

Manual Integration Results



Reviewer: diasn, 30-Sep-2015 22:56:43
Audit Action: Manually Integrated
Audit Reason: Peak Tail

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Lab Sample ID: CCV 480-266343/4 Calibration Date: 09/30/2015 22:55
 Instrument ID: HP5973G Calib Start Date: 09/13/2015 20:45
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/13/2015 23:00
 Lab File ID: G43119.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	1.106	1.240		28.0	25.0	12.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7165	0.8848		30.9	25.0	23.5*	20.0
Toluene-d8 (Surr)	Ave	2.264	2.669		29.5	25.0	17.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7928	0.7995		25.2	25.0	0.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43119.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 30-Sep-2015 22:55:30 ALS Bottle#: 5 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: 480-0046784-004
 Operator ID: NMD Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub34
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2015 07:47:04 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: diasn

Date: 30-Sep-2015 23:19:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.520	0.000	99	104317	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	86	231296	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.891	10.891	0.000	97	233932	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.923	4.923	0.000	93	129308	25.0	28.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	92300	25.0	30.9	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	93	617391	25.0	29.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.763	9.763	0.000	87	184916	25.0	25.2	
11 Chlorodifluoromethane	51	1.405	1.405	0.000	97	168780	25.0	19.2	
141 Ethanol	45	2.551	2.551	0.000	99	113662	1000.0	859.5	
68 Propene oxide	58	2.631	2.631	0.000	96	312738	NC	NC	
25 Isopropyl alcohol	45	3.064	3.064	0.000	99	243038	250.0	245.6	
27 Acetonitrile	40	3.161	3.161	0.000	99	214264	250.0	287.8	
37 Isopropyl ether	45	3.948	3.948	0.000	96	712496	25.0	24.7	
39 2-Chloro-1,3-butadiene	53	3.978	3.978	0.000	92	263373	25.0	25.7	
40 1,1-Dimethoxyethane	75	4.015	4.015	0.000	100	249578	125.0	136.9	
41 Tert-butyl ethyl ether	59	4.289	4.289	0.000	99	597777	25.0	25.0	
45 Ethyl acetate	43	4.539	4.539	0.000	99	480280	50.0	45.1	
46 Propionitrile	54	4.575	4.575	0.000	99	468169	250.0	284.6	
47 Methacrylonitrile	41	4.691	4.691	0.000	97	1790400	250.0	264.6	
146 Isooctane	57	5.277	5.277	0.000	97	620744	25.0	20.4	
140 t-Amyl alcohol	59	5.319	5.319	0.000	84	378674	250.0	274.4	
58 Tert-amyl methyl ether	73	5.344	5.344	0.000	96	691027	25.0	27.0	
1 1,4-Difluorobenzene	114	5.624	5.624	0.000	95	484629	25.0	26.0	
60 n-Butanol	56	5.880	5.880	0.000	90	255851	625.0	645.9	
145 Ethyl acrylate	55	5.984	5.984	0.000	99	337275	25.0	26.2	
64 Methyl methacrylate	41	6.203	6.203	0.000	95	499329	50.0	52.7	
69 2-Nitropropane	43	6.612	6.612	0.000	98	107174	50.0	58.0	
71 Epichlorohydrin	57	6.746	6.746	0.000	99	313567	250.0	277.1	
149 n-Butyl acetate	43	7.904	7.904	0.000	99	369004	25.0	21.8	
139 1-Chlorohexane	55	8.495	8.495	0.000	91	200893	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
85 3-Chlorobenzotrifluoride	180	8.514	8.514	0.000	90	235193	25.0	31.2	
87 4-Chlorobenzotrifluoride	180	8.569	8.569	0.000	97	227355	25.0	30.5	
94 2-Chlorobenzotrifluoride	180	9.489	9.489	0.000	96	239621	25.0	29.6	
96 Cyclohexanone	55	9.721	9.721	0.000	96	128641	250.0	296.5	
103 3-Chlorotoluene	126	10.160	10.160	0.000	97	213160	25.0	28.5	
108 Pentachloroethane	167	10.538	10.538	0.000	91	92429	25.0	33.0	
112 Dicyclopentadiene	66	10.910	10.910	0.000	97	870090	25.0	27.6	
114 1,2,3-Trimethylbenzene	105	10.946	10.946	0.000	98	786563	25.0	27.8	
143 Benzyl chloride	126	11.056	11.056	0.000	99	101906	25.0	25.2	
118 1,3,5-Trichlorobenzene	180	12.135	12.135	0.000	98	299596	25.0	24.7	
142 2-Methylnaphthalene	142	13.799	13.799	0.000	93	498121	25.0	23.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ADD CORP mix_00036

Amount Added: 12.50

Units: uL

G_8260_IS_00098

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_Surr_00110

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43119.D

Injection Date: 30-Sep-2015 22:55:30

Instrument ID: HP5973G

Operator ID: NMD

Lims ID: CCV

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

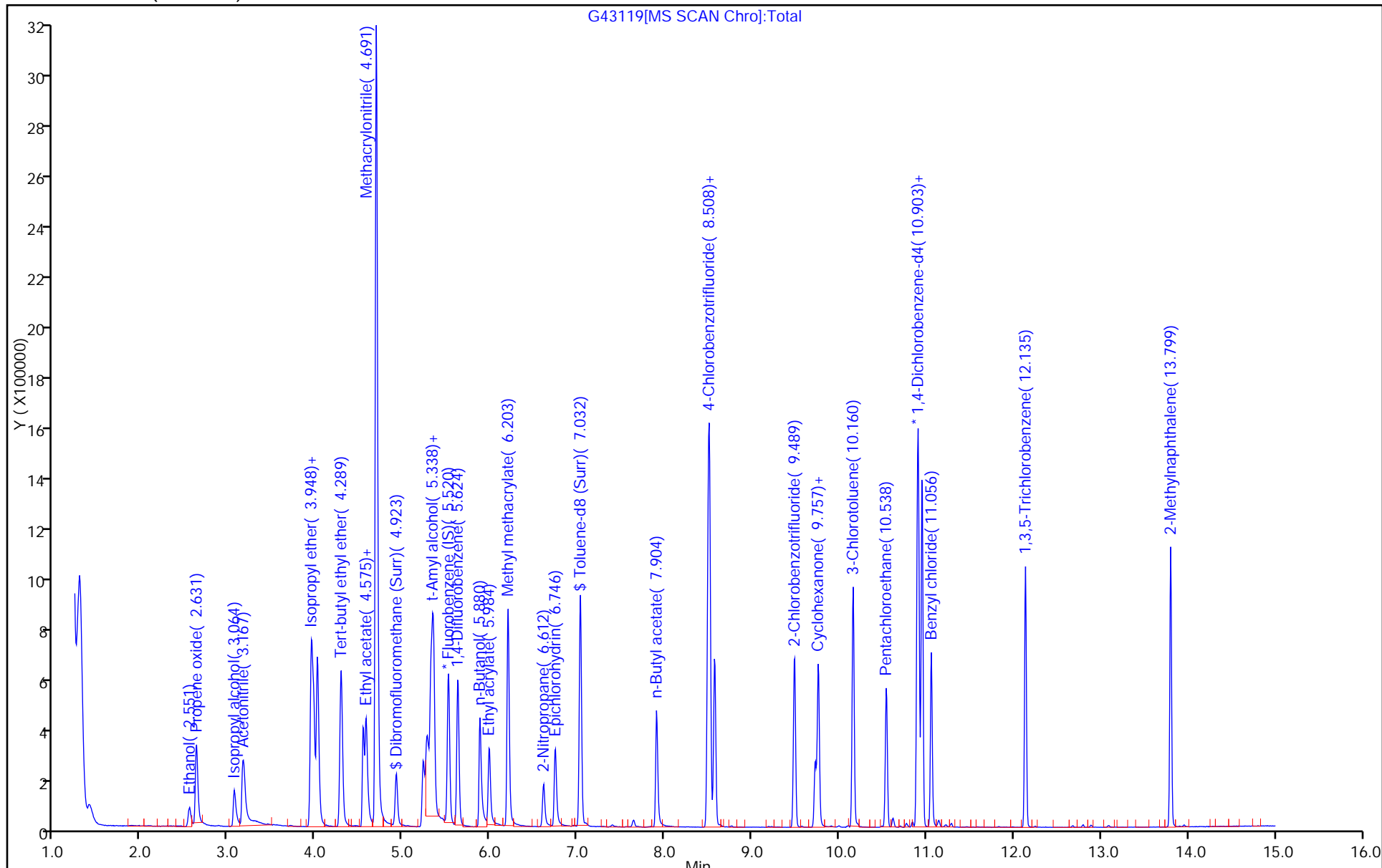
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: G-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.: 480-87966-1
 SDG No.: _____
 Lab Sample ID: CCV 480-266343/4 Calibration Date: 09/30/2015 22:55
 Instrument ID: HP5973G Calib Start Date: 09/14/2015 00:30
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/14/2015 02:45
 Lab File ID: G43119.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	2.102	1.618		19.2	25.0	-23.0*	20.0
Ethanol	Ave	0.0317	0.0272		859	1000	-14.1	20.0
Isopropyl alcohol	Ave	0.2372	0.2330		246	250	-1.8	20.0
Acetonitrile	Ave	0.1784	0.2054		288	250	15.1	20.0
Isopropyl ether	Ave	6.900	6.830		24.7	25.0	-1.0	20.0
Chloroprene	Ave	2.460	2.525		25.7	25.0	2.7	20.0
1,1-Dimethoxyethane	Ave	0.4369	0.4785		137	125	9.5	20.0
Tert-butyl ethyl ether	Ave	5.719	5.730		25.0	25.0	0.2	20.0
Ethyl acetate	Ave	2.549	2.302		45.1	50.0	-9.7	20.0
Propionitrile	Ave	0.3942	0.4488		285	250	13.8	20.0
Methacrylonitrile	Ave	1.622	1.716		265	250	5.8	20.0
Isooctane	Ave	7.295	5.951		20.4	25.0	-18.4	20.0
t-Amyl alcohol	Ave	0.3307	0.3630		274	250	9.8	20.0
Tert-amyl methyl ether	Ave	6.124	6.624		27.0	25.0	8.2	20.0
1,4-Difluorobenzene	Ave	4.468	4.646		26.0	25.0	4.0	20.0
n-Butanol	Lin1		0.0981		646	625	3.3	20.0
Ethyl acrylate	Lin1		3.233		26.2	25.0	4.9	20.0
Methyl methacrylate	Ave	2.272	2.393		52.7	50.0	5.3	20.0
2-Nitropropane	Ave	0.1975	0.2291		58.0	50.0	16.0	20.0
Epichlorohydrin	Ave	0.2712	0.3006		277	250	10.8	20.0
n-Butyl acetate	Ave	4.052	3.537	0.1000	21.8	25.0	-12.7	20.0
1-Chlorohexane	Lin1		0.8686		25.7	25.0	2.9	20.0
3-Chlorobenzotrifluoride	Ave	0.8064	1.005		31.2	25.0	24.7*	20.0
4-Chlorobenzotrifluoride	Ave	0.7979	0.9719		30.5	25.0	21.8*	20.0
2-Chlorobenzotrifluoride	Ave	0.8665	1.024		29.6	25.0	18.2	20.0
Cyclohexanone	Lin1		0.0550		297	250	18.6	20.0
3-Chlorotoluene	Ave	0.8002	0.9112		28.5	25.0	13.9	20.0
Pentachloroethane	Ave	0.2992	0.3951		33.0	25.0	32.1*	20.0
Dicyclopentadiene	Ave	3.369	3.719		27.6	25.0	10.4	20.0
1,2,3-Trimethylbenzene	Ave	3.023	3.362		27.8	25.0	11.2	20.0
Benzyl chloride	Ave	0.4365	0.4406		25.2	25.0	0.9	20.0
1,3,5-Trichlorobenzene	Ave	1.294	1.281		24.7	25.0	-1.0	20.0
2-Methylnaphthalene	Ave	2.259	2.129		23.6	25.0	-5.7	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43119.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 30-Sep-2015 22:55:30 ALS Bottle#: 5 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: 480-0046784-004
 Operator ID: NMD Instrument ID: HP5973G
 Sublist: chrom-G-8260*sub34
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2015 07:47:04 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: diasn

Date: 30-Sep-2015 23:19:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.520	0.000	99	104317	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	86	231296	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.891	10.891	0.000	97	233932	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.923	4.923	0.000	93	129308	25.0	28.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	92300	25.0	30.9	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	93	617391	25.0	29.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.763	9.763	0.000	87	184916	25.0	25.2	
11 Chlorodifluoromethane	51	1.405	1.405	0.000	97	168780	25.0	19.2	
141 Ethanol	45	2.551	2.551	0.000	99	113662	1000.0	859.5	
68 Propene oxide	58	2.631	2.631	0.000	96	312738	NC	NC	
25 Isopropyl alcohol	45	3.064	3.064	0.000	99	243038	250.0	245.6	
27 Acetonitrile	40	3.161	3.161	0.000	99	214264	250.0	287.8	
37 Isopropyl ether	45	3.948	3.948	0.000	96	712496	25.0	24.7	
39 2-Chloro-1,3-butadiene	53	3.978	3.978	0.000	92	263373	25.0	25.7	
40 1,1-Dimethoxyethane	75	4.015	4.015	0.000	100	249578	125.0	136.9	
41 Tert-butyl ethyl ether	59	4.289	4.289	0.000	99	597777	25.0	25.0	
45 Ethyl acetate	43	4.539	4.539	0.000	99	480280	50.0	45.1	
46 Propionitrile	54	4.575	4.575	0.000	99	468169	250.0	284.6	
47 Methacrylonitrile	41	4.691	4.691	0.000	97	1790400	250.0	264.6	
146 Isooctane	57	5.277	5.277	0.000	97	620744	25.0	20.4	
140 t-Amyl alcohol	59	5.319	5.319	0.000	84	378674	250.0	274.4	
58 Tert-amyl methyl ether	73	5.344	5.344	0.000	96	691027	25.0	27.0	
1 1,4-Difluorobenzene	114	5.624	5.624	0.000	95	484629	25.0	26.0	
60 n-Butanol	56	5.880	5.880	0.000	90	255851	625.0	645.9	
145 Ethyl acrylate	55	5.984	5.984	0.000	99	337275	25.0	26.2	
64 Methyl methacrylate	41	6.203	6.203	0.000	95	499329	50.0	52.7	
69 2-Nitropropane	43	6.612	6.612	0.000	98	107174	50.0	58.0	
71 Epichlorohydrin	57	6.746	6.746	0.000	99	313567	250.0	277.1	
149 n-Butyl acetate	43	7.904	7.904	0.000	99	369004	25.0	21.8	
139 1-Chlorohexane	55	8.495	8.495	0.000	91	200893	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
85 3-Chlorobenzotrifluoride	180	8.514	8.514	0.000	90	235193	25.0	31.2	
87 4-Chlorobenzotrifluoride	180	8.569	8.569	0.000	97	227355	25.0	30.5	
94 2-Chlorobenzotrifluoride	180	9.489	9.489	0.000	96	239621	25.0	29.6	
96 Cyclohexanone	55	9.721	9.721	0.000	96	128641	250.0	296.5	
103 3-Chlorotoluene	126	10.160	10.160	0.000	97	213160	25.0	28.5	
108 Pentachloroethane	167	10.538	10.538	0.000	91	92429	25.0	33.0	
112 Dicyclopentadiene	66	10.910	10.910	0.000	97	870090	25.0	27.6	
114 1,2,3-Trimethylbenzene	105	10.946	10.946	0.000	98	786563	25.0	27.8	
143 Benzyl chloride	126	11.056	11.056	0.000	99	101906	25.0	25.2	
118 1,3,5-Trichlorobenzene	180	12.135	12.135	0.000	98	299596	25.0	24.7	
142 2-Methylnaphthalene	142	13.799	13.799	0.000	93	498121	25.0	23.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ADD CORP mix_00036

Amount Added: 12.50

Units: uL

G_8260_IS_00098

Amount Added: 1.00

Units: uL

Run Reagent

G_8260_Surr_00110

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43119.D

Injection Date: 30-Sep-2015 22:55:30

Instrument ID: HP5973G

Operator ID: NMD

Lims ID: CCV

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

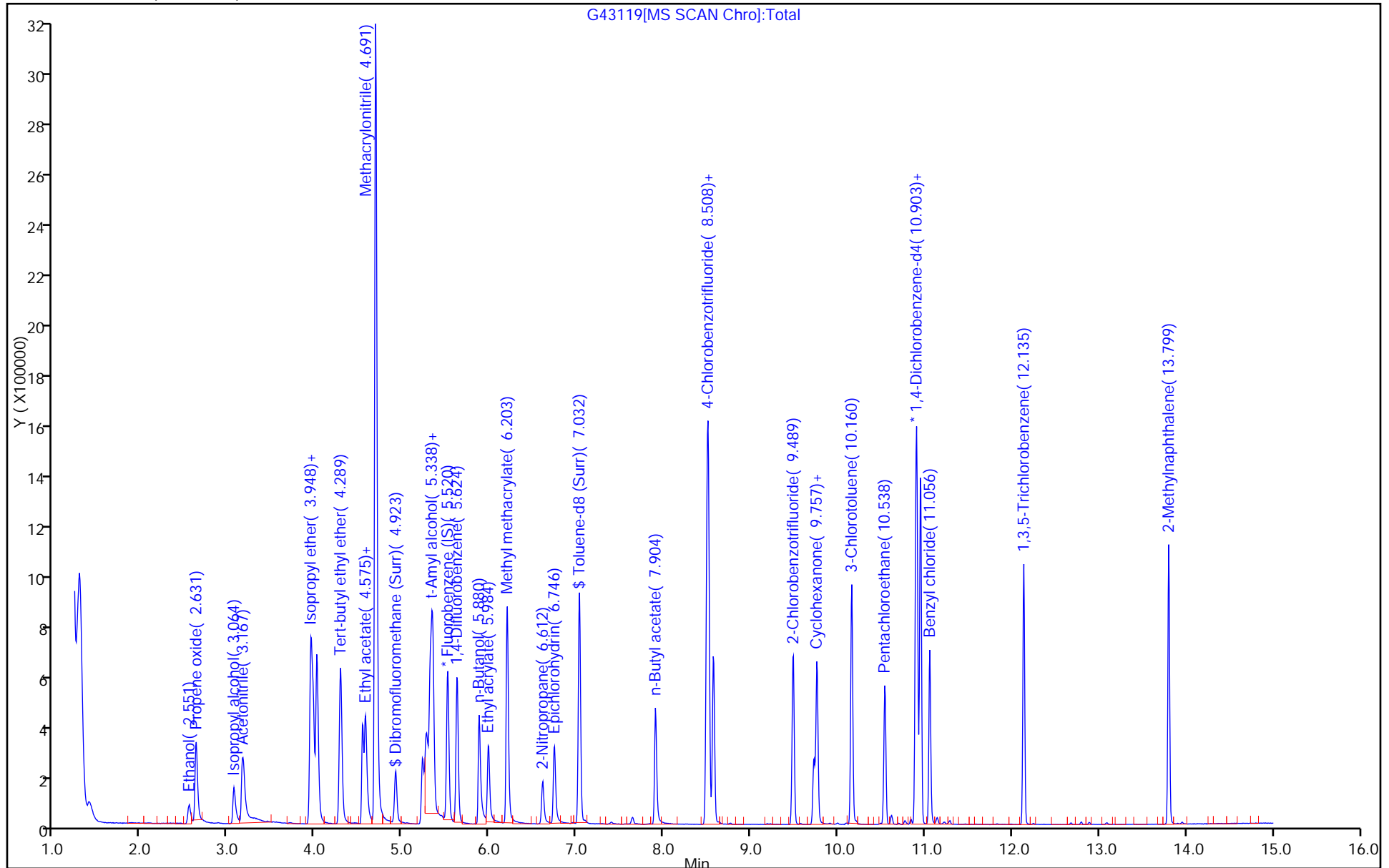
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42388.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 13-Sep-2015 19:26:30 ALS Bottle#: 4 Worklist Smp#: 2
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0046201-002
 Operator ID: jg Instrument ID: HP5973G
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-Sep-2015 20:07:46 Calib Date: 10-Sep-2015 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150910-46119.b\G42328.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK014

First Level Reviewer: gentilej Date: 13-Sep-2015 20:07:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
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\$ 35 BFB	95	3.863	3.863	0.000	0	158758	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

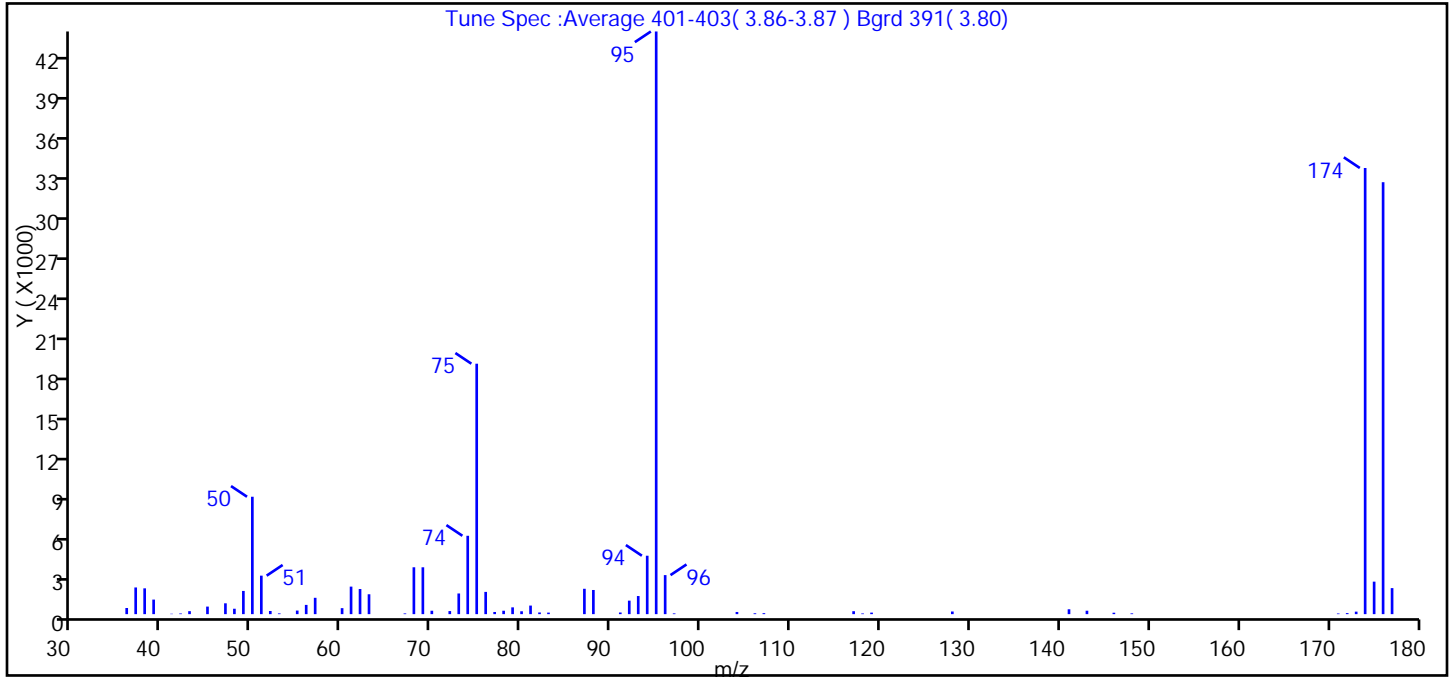
Reagents:

BFB_WRK_00046 Amount Added: 1.00 Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42388.D
 Injection Date: 13-Sep-2015 19:26:30 Instrument ID: HP5973G
 Lims ID: BFB
 Client ID:
 Operator ID: jg ALS Bottle#: 4 Worklist Smp#: 2
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Method: G-8260 Limit Group: MV - 8260C ICAL
 Tune Method: BFB Method 8260

\$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.1
75	30 to 60% of m/z 95	43.0
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.4 (0.6)
174	50 to 120% of m/z 95	76.6
175	5 to 9% of m/z 174	5.6 (7.3)
176	Greater than 95% but less than 101% of m/z 174	74.1 (96.8)
177	5 to 9% of m/z 176	4.5 (6.0)

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42388.D\G-8260.rsl\spectra.d
 Injection Date: 13-Sep-2015 19:26:30
 Spectrum: Tune Spec :Average 401-403(3.86-3.87) Bgrd 391(3.80)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 66

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	463	56.00	697	79.00	512	117.00	222
37.00	2012	57.00	1232	80.00	217	118.00	53
38.00	1946	60.00	452	81.00	646	119.00	116
39.00	1098	61.00	2076	82.00	127	128.00	200
41.00	29	62.00	1895	83.00	117	141.00	367
42.00	51	63.00	1499	87.00	1913	143.00	258
43.00	225	67.00	55	88.00	1822	146.00	107
44.00	1	68.00	3535	91.00	124	148.00	59
45.00	570	69.00	3534	92.00	1018	171.00	50
47.00	817	70.00	257	93.00	1366	172.00	79
48.00	408	72.00	232	94.00	4406	173.00	189
49.00	1750	73.00	1559	95.00	43944	174.00	33648
50.00	8854	74.00	5910	96.00	2944	175.00	2451
51.00	2903	75.00	18888	97.00	57	176.00	32576
52.00	237	76.00	1678	104.00	164	177.00	1963
53.00	56	77.00	163	106.00	66		
55.00	270	78.00	257	107.00	74		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43117.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 30-Sep-2015 22:07:30 ALS Bottle#: 3 Worklist Smp#: 2
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0046784-002
 Operator ID: NMD Instrument ID: HP5973G
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Sep-2015 22:24:12 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK030

First Level Reviewer: diasn Date: 30-Sep-2015 22:24:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
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\$ 35 BFB	95	3.844	3.844	0.000	0	99764	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

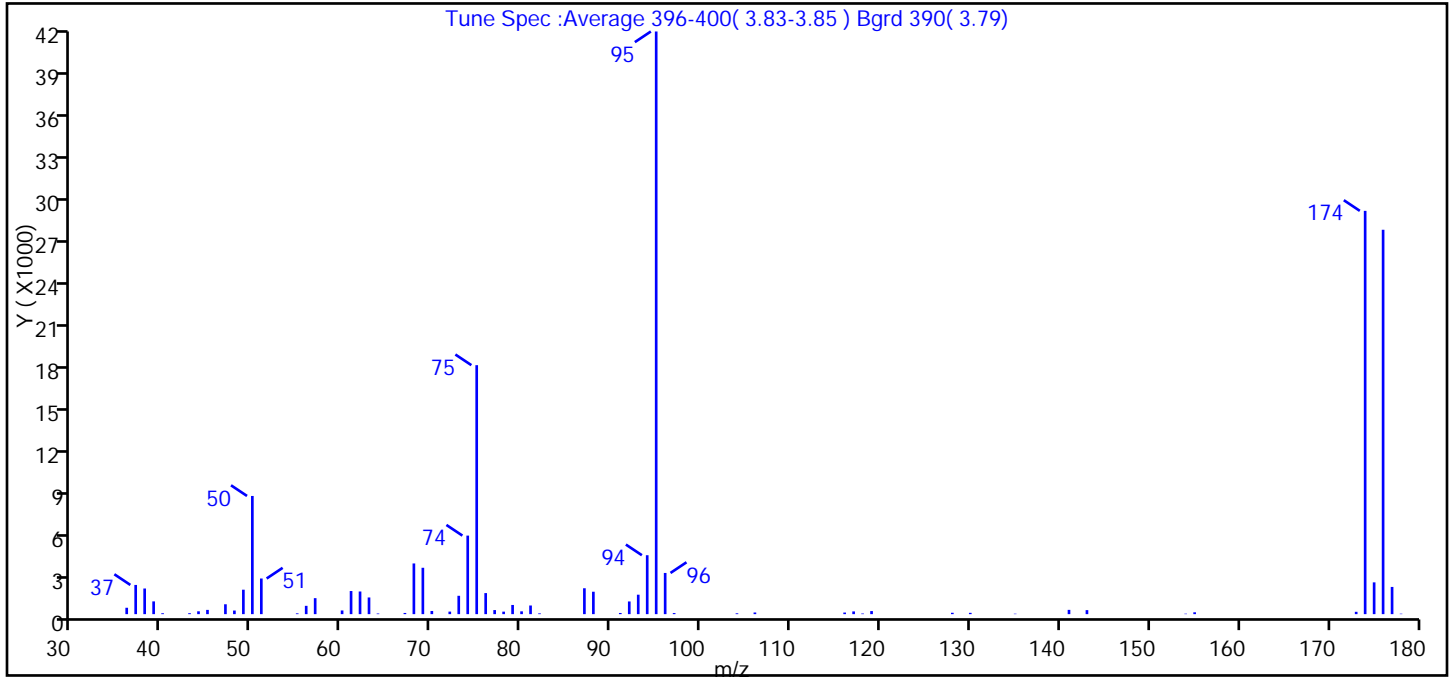
Reagents:

BFB_WRK_00046 Amount Added: 1.00 Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43117.D
 Injection Date: 30-Sep-2015 22:07:30 Instrument ID: HP5973G
 Lims ID: BFB
 Client ID:
 Operator ID: NMD ALS Bottle#: 3 Worklist Smp#: 2
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Method: G-8260 Limit Group: MV - 8260C ICAL
 Tune Method: BFB Method 8260

\$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.3
75	30 to 60% of m/z 95	42.7
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.4 (0.6)
174	50 to 120% of m/z 95	69.2
175	5 to 9% of m/z 174	5.5 (7.9)
176	Greater than 95% but less than 101% of m/z 174	66.0 (95.3)
177	5 to 9% of m/z 176	4.7 (7.1)

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43117.D\G-8260.rsl\spectra.d
Injection Date: 30-Sep-2015 22:07:30
Spectrum: Tune Spec :Average 396-400(3.83-3.85) Bgrd 390(3.79)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	456	60.00	264	79.00	656	117.00	195
37.00	2088	61.00	1653	80.00	201	118.00	45
38.00	1833	62.00	1619	81.00	618	119.00	220
39.00	912	63.00	1192	82.00	55	128.00	98
40.00	65	64.00	46	87.00	1851	130.00	93
43.00	68	67.00	85	88.00	1603	135.00	31
44.00	203	68.00	3624	91.00	83	141.00	306
45.00	304	69.00	3315	92.00	907	143.00	287
47.00	706	70.00	226	93.00	1390	154.00	32
48.00	258	72.00	182	94.00	4213	155.00	132
49.00	1748	73.00	1312	95.00	41656	173.00	167
50.00	8449	74.00	5615	96.00	2945	174.00	28832
51.00	2548	75.00	17800	97.00	77	175.00	2272
55.00	57	76.00	1505	104.00	60	176.00	27480
56.00	594	77.00	291	106.00	118	177.00	1945
57.00	1143	78.00	179	116.00	114	178.00	32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-266343/7
 Matrix: Water Lab File ID: G43122.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2015 00:02
 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.: 266343 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
526-73-8	1,2,3-Trimethylbenzene	1.0	U	1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.77
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-266343/7
 Matrix: Water Lab File ID: G43122.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2015 00:02
 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.: 266343 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		66-137
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	109		60-140
2037-26-5	Toluene-d8 (Surr)	119		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43122.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 01-Oct-2015 00:02:30 ALS Bottle#: 8 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0046784-007
 Operator ID: NMD Instrument ID: HP5973G
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2015 07:54:13 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: diasn

Date: 01-Oct-2015 00:28:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.520	0.000	99	101327	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	86	220455	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.891	10.891	0.000	95	232772	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.923	4.923	0.000	93	122321	25.0	27.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	88091	25.0	30.3	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	93	591877	25.0	29.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.763	9.763	0.000	88	171858	25.0	24.6	
10 Dichlorodifluoromethane	85		1.375					ND	
11 Chlorodifluoromethane	51		1.405					ND	
12 Chloromethane	50		1.552					ND	
13 Vinyl chloride	62		1.643					ND	
144 Butadiene	54		1.667					ND	
14 Bromomethane	94		1.997					ND	
15 Chloroethane	64		2.076					ND	
16 Dichlorofluoromethane	67		2.277					ND	
17 Trichlorofluoromethane	101		2.277					ND	
18 Ethyl ether	59		2.551					ND	
141 Ethanol	45		2.551					ND	
68 Propene oxide	58		2.631					ND	
19 Acrolein	56		2.710					ND	
20 1,1-Dichloroethene	96		2.801					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.807					ND	
22 Acetone	43		2.875					ND	
23 Iodomethane	142		2.972					ND	
24 Carbon disulfide	76		2.990					ND	
25 Isopropyl alcohol	45		3.064					ND	
26 3-Chloro-1-propene	41		3.118					ND	
27 Acetonitrile	40	3.130	3.161	-0.031	48	1261		1.74	
28 Methyl acetate	43		3.173					ND	
30 2-Methyl-2-propanol	59		3.442					ND	
32 trans-1,2-Dichloroethene	96		3.502					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
31 Methyl tert-butyl ether	73		3.502					ND	
33 Acrylonitrile	53		3.527					ND	
34 Hexane	57		3.710					ND	
36 1,1-Dichloroethane	63		3.905					ND	
37 Isopropyl ether	45		3.948					ND	
38 Vinyl acetate	43		3.966					ND	
39 2-Chloro-1,3-butadiene	53		3.978					ND	
40 1,1-Dimethoxyethane	75		4.015					ND	
41 Tert-butyl ethyl ether	59		4.289					ND	
42 2,2-Dichloropropane	77		4.429					ND	
43 cis-1,2-Dichloroethene	96		4.460					ND	
44 2-Butanone (MEK)	43		4.496					ND	
45 Ethyl acetate	43		4.539					ND	
46 Propionitrile	54		4.575					ND	
48 Chlorobromomethane	128		4.691					ND	
47 Methacrylonitrile	41		4.691					ND	
49 Tetrahydrofuran	42		4.746					ND	
50 Chloroform	85		4.764					ND	
51 1,1,1-Trichloroethane	97		4.892					ND	
52 Cyclohexane	56		4.917					ND	
53 Carbon tetrachloride	117		5.045					ND	
54 1,1-Dichloropropene	75		5.051					ND	
56 Benzene	78		5.246					ND	
55 Isobutyl alcohol	43		5.252					ND	
146 Isooctane	57		5.277					ND	
57 1,2-Dichloroethane	62		5.301					ND	
140 t-Amyl alcohol	59		5.319					ND	
58 Tert-amyl methyl ether	73		5.344					ND	
59 n-Heptane	43		5.447					ND	
1 1,4-Difluorobenzene	114		5.624					ND	
61 Trichloroethene	95		5.862					ND	
60 n-Butanol	56		5.880					ND	
145 Ethyl acrylate	55		5.984					ND	
62 Methylcyclohexane	83		5.996					ND	
63 1,2-Dichloropropane	63		6.087					ND	
64 Methyl methacrylate	41		6.203					ND	
65 Dibromomethane	93		6.221					ND	
66 1,4-Dioxane	88		6.258					ND	
67 Dichlorobromomethane	83		6.374					ND	
69 2-Nitropropane	43		6.612					ND	
70 2-Chloroethyl vinyl ether	63		6.660					ND	
71 Epichlorohydrin	57		6.746					ND	
72 cis-1,3-Dichloropropene	75		6.795					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.941					ND	
74 Toluene	92		7.099					ND	
75 2-Methylthiophene	97		7.233					ND	
76 trans-1,3-Dichloropropene	75		7.355					ND	
77 3-Methylthiophene	97		7.392					ND	
78 Ethyl methacrylate	69		7.422					ND	
79 1,1,2-Trichloroethane	83		7.544					ND	
80 Tetrachloroethene	166		7.636					ND	
81 1,3-Dichloropropane	76		7.709					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
82 2-Hexanone	43		7.782					ND	
149 n-Butyl acetate	43		7.904					ND	
83 Chlorodibromomethane	129		7.947					ND	
84 Ethylene Dibromide	107		8.050					ND	
139 1-Chlorohexane	55		8.495					ND	
85 3-Chlorobenzotrifluoride	180		8.514					ND	
86 Chlorobenzene	112		8.538					ND	
87 4-Chlorobenzotrifluoride	180		8.569					ND	
89 Ethylbenzene	91		8.636					ND	
88 1,1,1,2-Tetrachloroethane	131		8.636					ND	
90 m-Xylene & p-Xylene	106		8.764					ND	
91 o-Xylene	106		9.190					ND	
92 Styrene	104		9.215					ND	
93 Bromoform	173		9.446					ND	
94 2-Chlorobenzotrifluoride	180		9.489					ND	
95 Isopropylbenzene	105		9.574					ND	
96 Cyclohexanone	55		9.721					ND	
97 Bromobenzene	156		9.910					ND	
98 1,1,2,2-Tetrachloroethane	83		9.940					ND	
99 1,2,3-Trichloropropane	110		9.977					ND	
100 trans-1,4-Dichloro-2-buten	53		9.995					ND	
101 N-Propylbenzene	91		9.995					ND	
102 2-Chlorotoluene	126		10.099					ND	
103 3-Chlorotoluene	126		10.160					ND	
104 1,3,5-Trimethylbenzene	105		10.172					ND	
105 4-Chlorotoluene	126		10.208					ND	
106 tert-Butylbenzene	134		10.489					ND	
108 Pentachloroethane	167		10.538					ND	
107 1,2,4-Trimethylbenzene	105		10.544					ND	
109 sec-Butylbenzene	105		10.702					ND	
110 1,3-Dichlorobenzene	146		10.830					ND	
111 4-Isopropyltoluene	119		10.842					ND	
112 Dicyclopentadiene	66		10.910					ND	
113 1,4-Dichlorobenzene	146		10.916					ND	
114 1,2,3-Trimethylbenzene	105		10.946					ND	
143 Benzyl chloride	126		11.056					ND	
115 n-Butylbenzene	91		11.220					ND	
116 1,2-Dichlorobenzene	146		11.269					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.983					ND	
118 1,3,5-Trichlorobenzene	180		12.135					ND	
119 1,2,4-Trichlorobenzene	180		12.671					ND	
120 Hexachlorobutadiene	225		12.793					ND	
121 Naphthalene	128		12.885					ND	
122 1,2,3-Trichlorobenzene	180		13.086					ND	
142 2-Methylnaphthalene	142		13.799					ND	
138 Pentachloroethane TIC	1		0.000					ND	
135 Halothane	1		0.000					ND	
134 Propene oxide TIC	1		0.000					ND	
136 1-Bromopropane TIC	1		0.000					ND	
137 Ethylene oxide TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 8 bis(2-chloromethyl)ether T	1		0.000					ND	
T 129 tert-amyl alcohol TIC	1		0.000					ND	
T 9 Ethylene oxide	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 132 Bromoethane TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 130 Aziridine TIC	1		0.000					ND	
T 133 1-Bromopropane	1		0.000					ND	
T 131 bis(chloromethyl)ether TIC	1		0.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		2.000					ND	

Reagents:

G_8260_IS_00098	Amount Added: 1.00	Units: uL	Run Reagent
G_8260_Surr_00110	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43122.D

Injection Date: 01-Oct-2015 00:02:30

Instrument ID: HP5973G

Operator ID: NMD

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

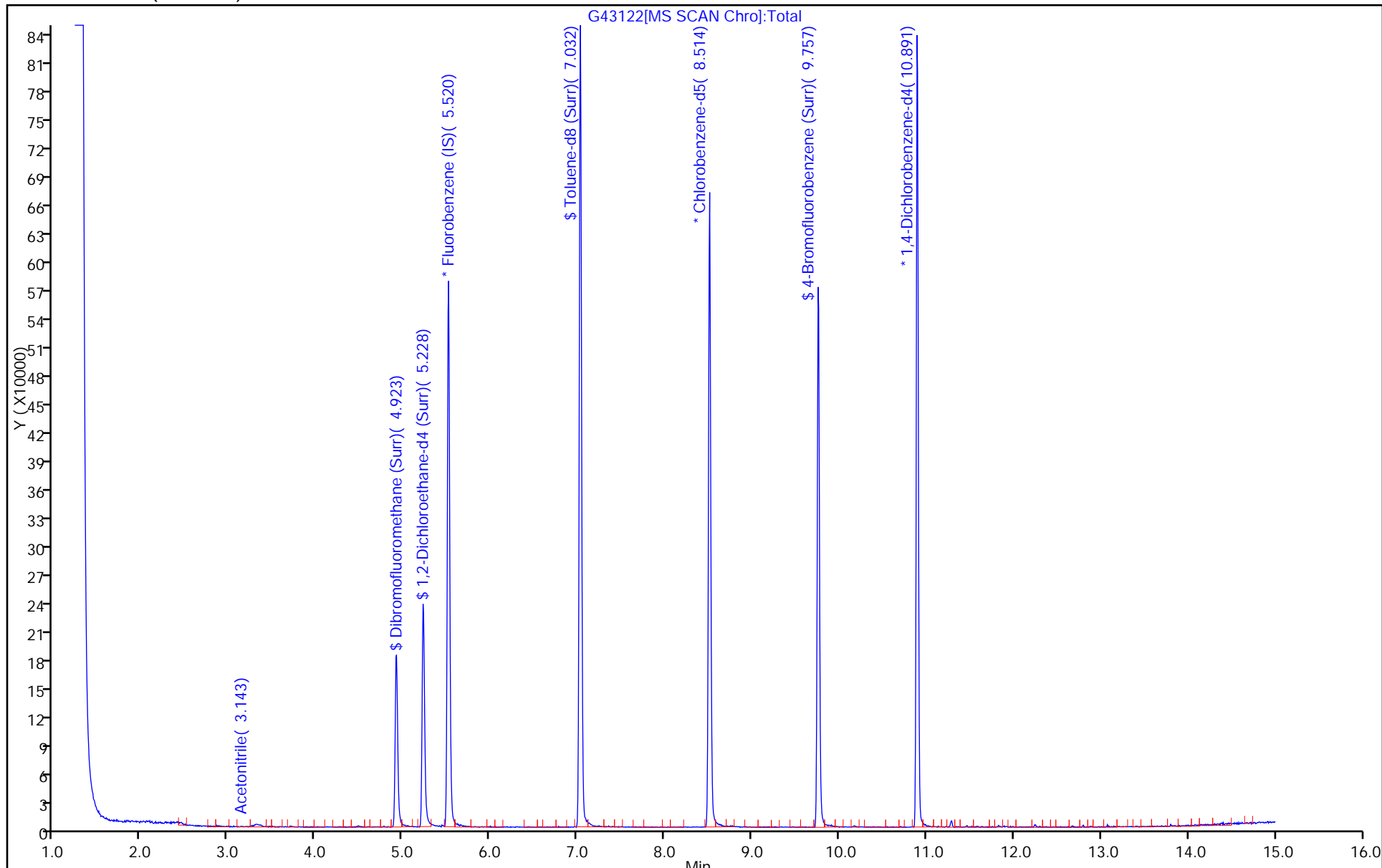
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: G-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.: 480-87966-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-266343/5
 Matrix: Water Lab File ID: G43120.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 09/30/2015 23:17
 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.: 266343 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.5		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	28.5		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.9		1.0	0.31
79-00-5	1,1,2-Trichloroethane	27.6		1.0	0.23
75-34-3	1,1-Dichloroethane	24.6		1.0	0.38
75-35-4	1,1-Dichloroethene	25.0		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.0		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	26.9		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	26.5		1.0	0.39
106-93-4	1,2-Dibromoethane	26.9		1.0	0.73
95-50-1	1,2-Dichlorobenzene	26.1		1.0	0.79
107-06-2	1,2-Dichloroethane	25.7		1.0	0.21
78-87-5	1,2-Dichloropropane	25.9		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	27.2		1.0	0.77
541-73-1	1,3-Dichlorobenzene	26.1		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.5		1.0	0.84
78-93-3	2-Butanone (MEK)	139		10	1.3
591-78-6	2-Hexanone	146		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	138		5.0	2.1
67-64-1	Acetone	127		10	3.0
71-43-2	Benzene	26.5		1.0	0.41
75-27-4	Bromodichloromethane	26.2		1.0	0.39
75-25-2	Bromoform	22.3		1.0	0.26
74-83-9	Bromomethane	32.9		1.0	0.69
75-15-0	Carbon disulfide	23.9		1.0	0.19
56-23-5	Carbon tetrachloride	22.6		1.0	0.27
108-90-7	Chlorobenzene	25.6		1.0	0.75
75-00-3	Chloroethane	27.0		1.0	0.32
67-66-3	Chloroform	26.1		1.0	0.34
74-87-3	Chloromethane	24.5		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	27.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.6		1.0	0.36
110-82-7	Cyclohexane	22.0		1.0	0.18
124-48-1	Dibromochloromethane	24.8		1.0	0.32
75-71-8	Dichlorodifluoromethane	20.2		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-266343/5
 Matrix: Water Lab File ID: G43120.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 09/30/2015 23:17
 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.: 266343 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	26.1		1.0	0.74
98-82-8	Isopropylbenzene	27.6		1.0	0.79
79-20-9	Methyl acetate	129		2.5	1.3
1634-04-4	Methyl tert-butyl ether	26.2		1.0	0.16
108-87-2	Methylcyclohexane	21.8		1.0	0.16
75-09-2	Methylene Chloride	30.1		1.0	0.44
100-42-5	Styrene	25.9		1.0	0.73
127-18-4	Tetrachloroethene	24.4		1.0	0.36
108-88-3	Toluene	26.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.2		1.0	0.37
79-01-6	Trichloroethene	26.3		1.0	0.46
75-69-4	Trichlorofluoromethane	23.6		1.0	0.88
75-01-4	Vinyl chloride	23.8		1.0	0.90
1330-20-7	Xylenes, Total	51.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	113		60-140
2037-26-5	Toluene-d8 (Surr)	121		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43120.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 30-Sep-2015 23:17:30 ALS Bottle#: 6 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0046784-005
 Operator ID: NMD Instrument ID: HP5973G
 Method: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2015 07:49:05 Calib Date: 14-Sep-2015 02:45:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973G\20150913-46201.b\G42406.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: diasn Date: 30-Sep-2015 23:55:04

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.520	5.520	0.000	99	104297	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.514	8.514	0.000	85	223982	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.891	10.891	0.000	94	247630	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.923	4.923	0.000	73	130416	25.0	28.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.228	5.228	0.000	0	87383	25.0	29.2	
\$ 5 Toluene-d8 (Surr)	98	7.032	7.032	0.000	93	613929	25.0	30.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.763	9.763	0.000	89	183245	25.0	25.8	
10 Dichlorodifluoromethane	85	1.375	1.375	0.000	99	156592	25.0	20.2	
12 Chloromethane	50	1.546	1.552	-0.006	99	267424	25.0	24.5	
13 Vinyl chloride	62	1.643	1.643	0.000	97	205931	25.0	23.8	
144 Butadiene	54	1.661	1.667	-0.006	92	202628	25.0	20.9	
14 Bromomethane	94	1.978	1.997	-0.019	91	83353	25.0	32.9	
15 Chloroethane	64	2.076	2.076	0.000	97	103246	25.0	27.0	
16 Dichlorofluoromethane	67	2.271	2.277	-0.006	96	258505	25.0	26.3	
17 Trichlorofluoromethane	101	2.289	2.277	0.012	77	212032	25.0	23.6	
18 Ethyl ether	59	2.551	2.551	0.000	96	164729	25.0	24.9	
19 Acrolein	56	2.710	2.710	0.000	99	118191	125.0	120.6	
20 1,1-Dichloroethene	96	2.795	2.801	-0.006	96	185892	25.0	25.0	
21 1,1,2-Trichloro-1,2,2-trif	101	2.801	2.807	-0.006	52	145087	25.0	22.9	
22 Acetone	43	2.875	2.875	0.000	99	455434	125.0	126.9	
23 Iodomethane	142	2.960	2.972	-0.012	97	264637	25.0	21.5	
24 Carbon disulfide	76	2.990	2.990	0.000	100	468463	25.0	23.9	
26 3-Chloro-1-propene	41	3.118	3.118	0.000	90	150625	25.0	29.7	
28 Methyl acetate	43	3.173	3.173	0.000	100	1306010	125.0	128.9	
29 Methylene Chloride	84	3.320	3.326	-0.006	97	215044	25.0	30.1	
30 2-Methyl-2-propanol	59	3.442	3.442	0.000	99	414923	250.0	272.1	
32 trans-1,2-Dichloroethene	96	3.496	3.502	-0.006	96	172208	25.0	25.2	M
31 Methyl tert-butyl ether	73	3.503	3.502	0.000	98	522647	25.0	26.2	
33 Acrylonitrile	53	3.527	3.527	0.000	99	1143034	250.0	263.9	
34 Hexane	57	3.710	3.710	0.000	96	285602	25.0	23.2	
36 1,1-Dichloroethane	63	3.905	3.905	0.000	96	295183	25.0	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	3.972	3.966	0.006	97	728313	50.0	57.0	
42 2,2-Dichloropropane	77	4.429	4.429	0.000	94	126177	25.0	29.0	
43 cis-1,2-Dichloroethene	96	4.460	4.460	0.000	83	175594	25.0	27.2	
44 2-Butanone (MEK)	43	4.496	4.496	0.000	98	802992	125.0	139.1	
48 Chlorobromomethane	128	4.691	4.691	0.000	92	87583	25.0	26.2	
49 Tetrahydrofuran	42	4.746	4.746	0.000	94	237376	50.0	52.8	
50 Chloroform	85	4.764	4.764	0.000	94	168280	25.0	26.1	
51 1,1,1-Trichloroethane	97	4.899	4.892	0.007	99	186069	25.0	23.5	
52 Cyclohexane	56	4.917	4.917	0.000	93	361567	25.0	22.0	
53 Carbon tetrachloride	117	5.045	5.045	0.000	96	171382	25.0	22.6	
54 1,1-Dichloropropene	75	5.051	5.051	0.000	93	206170	25.0	25.6	
56 Benzene	78	5.246	5.246	0.000	97	654921	25.0	26.5	
55 Isobutyl alcohol	43	5.252	5.252	0.000	96	524309	625.0	704.0	
57 1,2-Dichloroethane	62	5.301	5.301	0.000	96	228830	25.0	25.7	
59 n-Heptane	43	5.447	5.447	0.000	97	362548	25.0	24.0	
61 Trichloroethene	95	5.862	5.862	0.000	96	159515	25.0	26.3	
62 Methylcyclohexane	83	5.996	5.996	0.000	97	261988	25.0	21.8	
63 1,2-Dichloropropane	63	6.087	6.087	0.000	94	180516	25.0	25.9	
65 Dibromomethane	93	6.221	6.221	0.000	95	95802	25.0	25.9	
66 1,4-Dioxane	88	6.252	6.258	-0.006	98	50781	500.0	589.2	M
67 Dichlorobromomethane	83	6.374	6.374	0.000	98	181594	25.0	26.2	
70 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	91	143531	25.0	27.5	
72 cis-1,3-Dichloropropene	75	6.795	6.795	0.001	92	264428	25.0	26.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.941	6.941	0.000	98	1657409	125.0	138.2	
74 Toluene	92	7.099	7.099	0.000	98	439813	25.0	26.0	
76 trans-1,3-Dichloropropene	75	7.362	7.355	0.007	97	239963	25.0	26.2	
78 Ethyl methacrylate	69	7.422	7.422	0.000	95	271423	25.0	28.0	
79 1,1,2-Trichloroethane	83	7.544	7.544	0.000	91	132071	25.0	27.6	
80 Tetrachloroethene	166	7.642	7.636	0.006	96	174925	25.0	24.4	
81 1,3-Dichloropropane	76	7.709	7.709	0.000	98	288992	25.0	27.2	
82 2-Hexanone	43	7.782	7.782	0.000	98	1207583	125.0	145.7	
83 Chlorodibromomethane	129	7.947	7.947	0.000	91	152324	25.0	24.8	
84 Ethylene Dibromide	107	8.050	8.050	0.000	98	172323	25.0	26.9	
86 Chlorobenzene	112	8.544	8.538	0.006	95	500889	25.0	25.6	
89 Ethylbenzene	91	8.636	8.636	0.000	98	829860	25.0	26.1	
88 1,1,1,2-Tetrachloroethane	131	8.636	8.636	0.000	95	161526	25.0	24.6	
90 m-Xylene & p-Xylene	106	8.764	8.764	0.000	0	345850	25.0	25.5	
91 o-Xylene	106	9.184	9.190	-0.006	97	348295	25.0	25.9	
92 Styrene	104	9.215	9.215	0.000	96	570078	25.0	25.9	
93 Bromoform	173	9.446	9.446	0.000	97	85092	25.0	22.3	
95 Isopropylbenzene	105	9.568	9.574	-0.006	95	859940	25.0	27.6	
97 Bromobenzene	156	9.910	9.910	0.000	93	217282	25.0	27.2	
98 1,1,2,2-Tetrachloroethane	83	9.940	9.940	0.000	94	248424	25.0	28.5	
99 1,2,3-Trichloropropane	110	9.977	9.977	0.000	87	88663	25.0	29.5	
100 trans-1,4-Dichloro-2-buten	53	9.995	9.995	0.000	79	92325	25.0	23.8	
101 N-Propylbenzene	91	9.995	9.995	0.000	99	1015508	25.0	28.1	
102 2-Chlorotoluene	126	10.099	10.099	0.000	97	211250	25.0	26.6	
104 1,3,5-Trimethylbenzene	105	10.172	10.172	0.000	95	761029	25.0	27.2	
105 4-Chlorotoluene	126	10.209	10.208	0.001	97	226281	25.0	27.1	
106 tert-Butylbenzene	134	10.489	10.489	0.000	93	179198	25.0	25.7	
107 1,2,4-Trimethylbenzene	105	10.544	10.544	0.000	96	791091	25.0	26.9	
109 sec-Butylbenzene	105	10.702	10.702	0.000	94	970698	25.0	26.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.830	10.830	0.000	99	446220	25.0	26.1	
111 4-Isopropyltoluene	119	10.836	10.842	-0.006	97	876196	25.0	26.0	
113 1,4-Dichlorobenzene	146	10.916	10.916	0.000	95	462566	25.0	25.5	
115 n-Butylbenzene	91	11.221	11.220	0.000	97	764672	25.0	27.2	
116 1,2-Dichlorobenzene	146	11.269	11.269	0.000	98	455442	25.0	26.1	
117 1,2-Dibromo-3-Chloropropan	75	11.983	11.983	0.000	87	54497	25.0	26.5	
119 1,2,4-Trichlorobenzene	180	12.671	12.671	0.000	95	328238	25.0	25.0	
120 Hexachlorobutadiene	225	12.793	12.793	0.000	96	114550	25.0	22.0	
121 Naphthalene	128	12.885	12.885	0.000	97	1141029	25.0	27.4	
122 1,2,3-Trichlorobenzene	180	13.086	13.086	0.000	97	307177	25.0	25.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00053	Amount Added: 12.50	Units: uL	
GAS CORP mix_00110	Amount Added: 12.50	Units: uL	
G_8260_IS_00098	Amount Added: 1.00	Units: uL	Run Reagent
G_8260_Surr_00110	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43120.D

Injection Date: 30-Sep-2015 23:17:30

Instrument ID: HP5973G

Operator ID: NMD

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

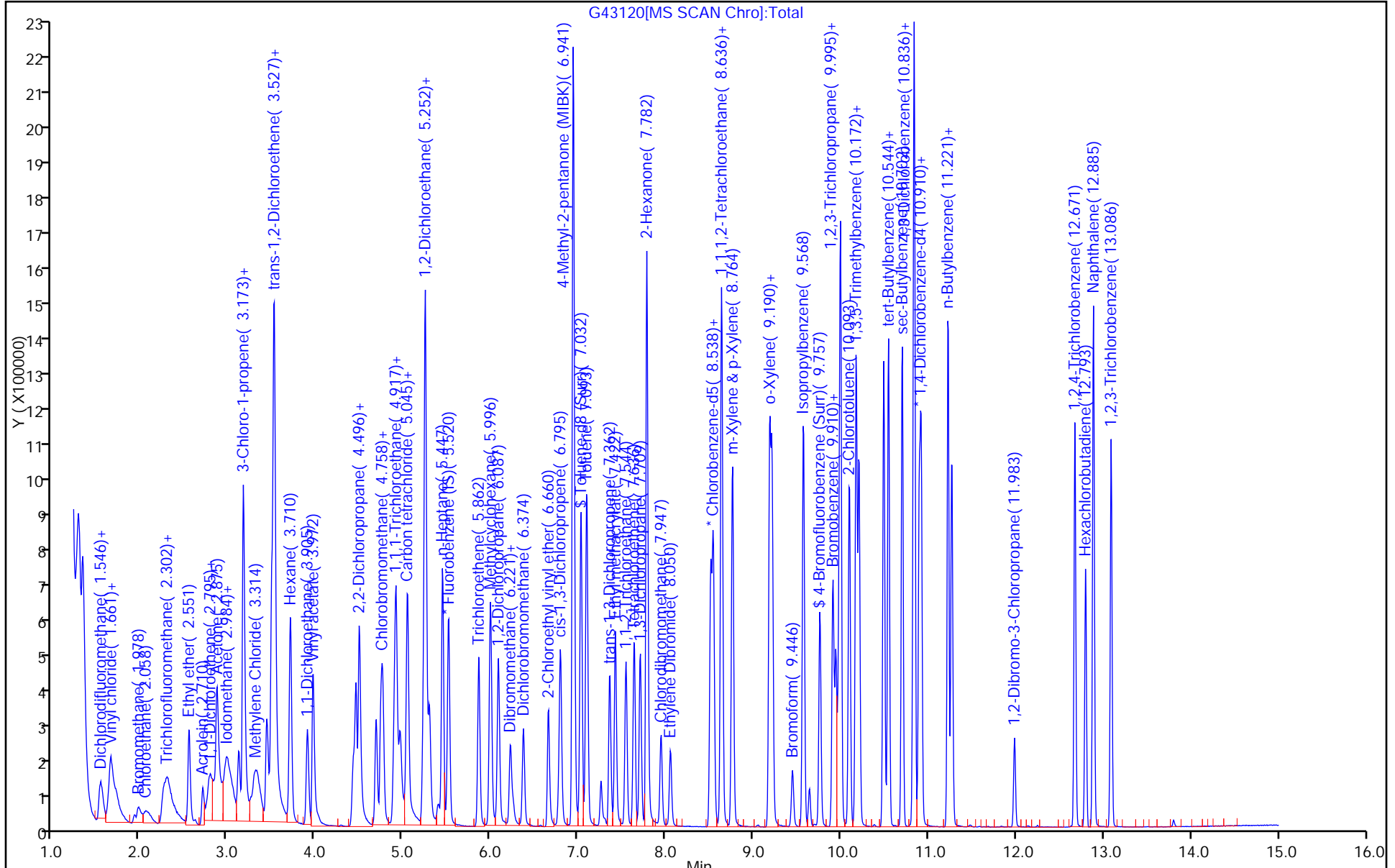
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: G-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



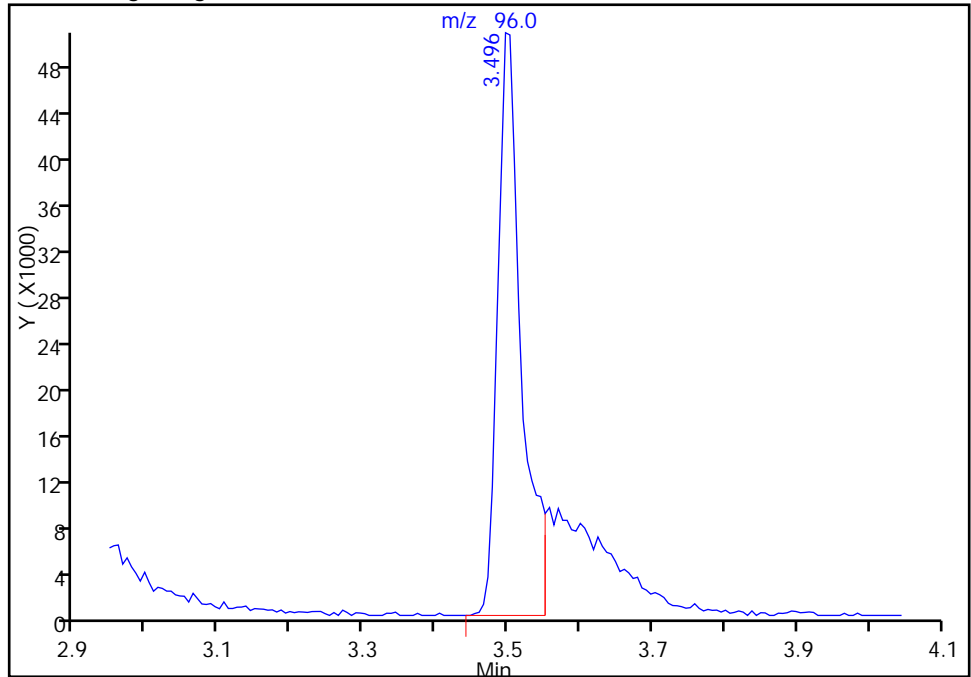
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973G\20150930-46784.b\G43120.D
Injection Date: 30-Sep-2015 23:17:30 Instrument ID: HP5973G
Lims ID: LCS
Client ID:
Operator ID: NMD ALS Bottle#: 6 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: G-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

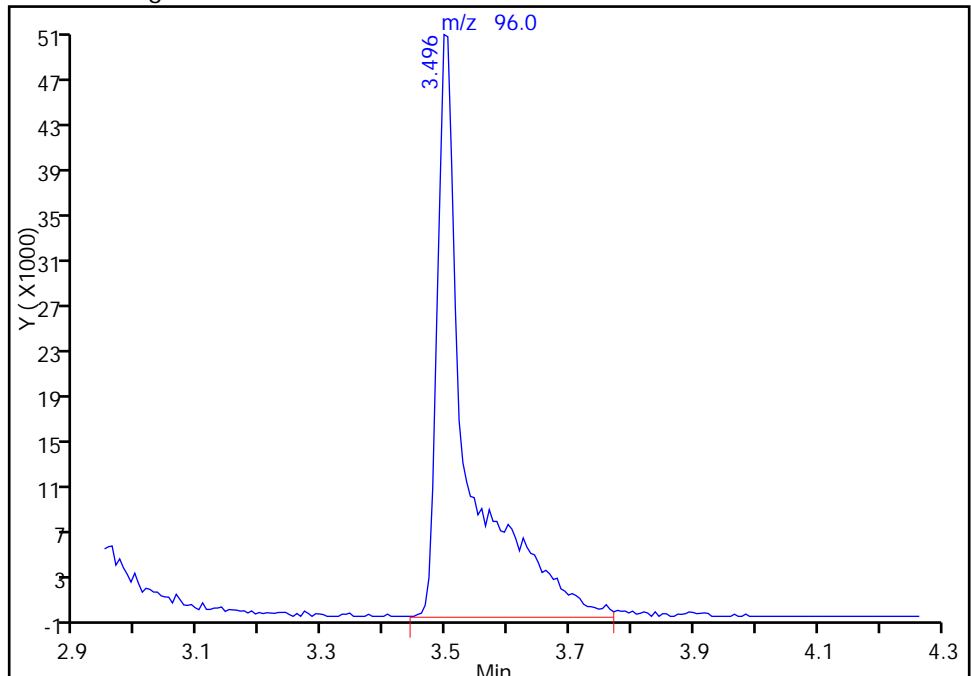
RT: 3.50
Area: 115736
Amount: 16.955473
Amount Units: ug/L

Processing Integration Results



RT: 3.50
Area: 172208
Amount: 25.228694
Amount Units: ug/L

Manual Integration Results



Reviewer: diasn, 30-Sep-2015 23:55:04
Audit Action: Manually Integrated
Audit Reason: Peak Tail

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-87966-1

SDG No.: _____

Instrument ID: HP5973GStart Date: 09/13/2015 19:26Analysis Batch Number: 263308End Date: 09/14/2015 04:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-263308/2		09/13/2015 19:26	1	G42388.D	ZB-624 (60) 0.25 (mm)
IC 480-263308/4		09/13/2015 20:45	1	G42390.D	ZB-624 (60) 0.25 (mm)
IC 480-263308/5		09/13/2015 21:07	1	G42391.D	ZB-624 (60) 0.25 (mm)
IC 480-263308/6		09/13/2015 21:30	1	G42392.D	ZB-624 (60) 0.25 (mm)
IC 480-263308/7		09/13/2015 21:52	1	G42393.D	ZB-624 (60) 0.25 (mm)
ICIS 480-263308/8		09/13/2015 22:15	1	G42394.D	ZB-624 (60) 0.25 (mm)
IC 480-263308/9		09/13/2015 22:37	1	G42395.D	ZB-624 (60) 0.25 (mm)
IC 480-263308/10		09/13/2015 23:00	1	G42396.D	ZB-624 (60) 0.25 (mm)
MDLV 480-263308/12		09/13/2015 23:45	1		ZB-624 (60) 0.25 (mm)
IC 480-263308/14		09/14/2015 00:30	1	G42400.D	ZB-624 (60) 0.25 (mm)
IC 480-263308/15		09/14/2015 00:52	1	G42401.D	ZB-624 (60) 0.25 (mm)
IC 480-263308/16		09/14/2015 01:15	1	G42402.D	ZB-624 (60) 0.25 (mm)
IC 480-263308/17		09/14/2015 01:37	1	G42403.D	ZB-624 (60) 0.25 (mm)
IC 480-263308/18		09/14/2015 02:00	1	G42404.D	ZB-624 (60) 0.25 (mm)
IC 480-263308/19		09/14/2015 02:22	1	G42405.D	ZB-624 (60) 0.25 (mm)
IC 480-263308/20		09/14/2015 02:45	1	G42406.D	ZB-624 (60) 0.25 (mm)
MDLV 480-263308/22		09/14/2015 03:29	1		ZB-624 (60) 0.25 (mm)
ICV 480-263308/23		09/14/2015 03:51	1		ZB-624 (60) 0.25 (mm)
ICV 480-263308/24		09/14/2015 04:14	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-87966-1

SDG No.: _____

Instrument ID: HP5973G Start Date: 09/30/2015 22:07

Analysis Batch Number: 266343 End Date: 10/01/2015 07:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-266343/2		09/30/2015 22:07	1	G43117.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-266343/3		09/30/2015 22:32	1	G43118.D	ZB-624 (60) 0.25 (mm)
CCV 480-266343/4		09/30/2015 22:55	1	G43119.D	ZB-624 (60) 0.25 (mm)
LCS 480-266343/5		09/30/2015 23:17	1	G43120.D	ZB-624 (60) 0.25 (mm)
RL 480-266343/6		09/30/2015 23:40	1		ZB-624 (60) 0.25 (mm)
MB 480-266343/7		10/01/2015 00:02	1	G43122.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 00:43	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 01:05	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 01:27	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 01:50	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 02:12	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 02:35	20		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 02:57	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 03:19	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 03:41	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 04:04	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 04:26	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 04:49	1		ZB-624 (60) 0.25 (mm)
480-87966-1	WELL 1-2A	10/01/2015 05:11	1	G43135.D	ZB-624 (60) 0.25 (mm)
480-87966-2	WELL 1-3	10/01/2015 05:34	1	G43136.D	ZB-624 (60) 0.25 (mm)
480-87966-3	TRIP BLANK 092415	10/01/2015 05:56	1	G43137.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 06:19	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 06:41	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 07:04	20		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2015 07:26	20		ZB-624 (60) 0.25 (mm)

GC/MS VOA Worksheet

Batch Number: 480-266343

Date Open: Sep 30 2015 10:07PM

Method: 8260C

Batch End:

Analyst: Fortain, Gerald V

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	8260 CORP mix_00053	ADD CORP mix_00036
BFB~480-266343/2		8260C			1 uL	1 uL	HP5973G		
CCVIS~480-266343/3		8260C			5 mL	5 mL	HP5973G	12.5 uL	
CCV~480-266343/4		8260C			5 mL	5 mL	HP5973G		12.5 uL
LCS~480-266343/5		8260C			5 mL	5 mL	HP5973G	12.5 uL	
RL~480-266343/6					5 mL	5 mL	HP5973G		1 uL
MB~480-266343/7		8260C			5 mL	5 mL	HP5973G		
480-87651-A-7	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87698-N-1	WB18-092215-01	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87698-A-2	WB18-092215-02	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87765-A-1	MW24AR	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87765-A-2	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87785-C-1	3410 MAIDER ROAD SUMP	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87785-A-2	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87846-A-6	MW8S 092315	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87846-A-7	MW7S 092315	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87846-A-8	MW8DD 092315	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87846-A-9	MW7D 092315	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87846-A-10	QC TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87966-A-1	WELL 1-2A	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87966-A-2	WELL 1-3	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87966-A-3	TRIP BLANK 092415	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-88081-G-1	CW 9-29-2015	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-88081-A-2	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973G		
480-87785-C-1~MS		8260C	T	<2 SU	5 mL	5 mL	HP5973G	12.5 uL	
480-87785-C-1~MS D		8260C	T	<2 SU	5 mL	5 mL	HP5973G	12.5 uL	

GC/MS VOA Worksheet

Batch Number: 480-266343

Method: 8260C

Analyst: Fortain, Gerald V


Date Open: Sep 30 2015 10:07PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	BFB_WRK_00046	G_8260_IS_00098	G_8260_Surr_00110	GAS CORP mix_00110
BFB~480-266343/2		8260C		1 uL			
CCVIS~480-266343/3		8260C			1 uL	1 uL	12.5 uL
CCV~480-266343/4		8260C			1 uL	1 uL	
LCS~480-266343/5		8260C			1 uL	1 uL	12.5 uL
RL~480-266343/6					1 uL	1 uL	
MB~480-266343/7		8260C			1 uL	1 uL	
480-87651-A-7	TRIP BLANK	8260C	T		1 uL	1 uL	
480-87698-N-1	WB18-092215-01	8260C	T		1 uL	1 uL	
480-87698-A-2	WB18-092215-02	8260C	T		1 uL	1 uL	
480-87765-A-1	MW24AR	8260C	T		1 uL	1 uL	
480-87765-A-2	TRIP BLANK	8260C	T		1 uL	1 uL	
480-87785-C-1	3410 MAIDER ROAD SUMP	8260C	T		1 uL	1 uL	
480-87785-A-2	TRIP BLANK	8260C	T		1 uL	1 uL	
480-87846-A-6	MW8S 092315	8260C	T		1 uL	1 uL	
480-87846-A-7	MW7S 092315	8260C	T		1 uL	1 uL	
480-87846-A-8	MW8DD 092315	8260C	T		1 uL	1 uL	
480-87846-A-9	MW7D 092315	8260C	T		1 uL	1 uL	
480-87846-A-10	QC TRIP BLANK	8260C	T		1 uL	1 uL	
480-87966-A-1	WELL 1-2A	8260C	T		1 uL	1 uL	
480-87966-A-2	WELL 1-3	8260C	T		1 uL	1 uL	
480-87966-A-3	TRIP BLANK 092415	8260C	T		1 uL	1 uL	
480-88081-G-1	CW 9-29-2015	8260C	T		1 uL	1 uL	
480-88081-A-2	TRIP BLANK	8260C	T		1 uL	1 uL	
480-87785-C-1~MS		8260C	T		1 uL	1 uL	12.5 uL
480-87785-C-1~MS D		8260C	T		1 uL	1 uL	12.5 uL

Shipping and Receiving Documents

Chain of Custody Record

Client Information Client Contact: Ms. Katie Bidwell Company: ARCADIS U.S. Inc Address: 855 Route 146 Suite 210 City: Clifton Park State, Zip: NY, 12065 Phone: 518-250-7300(Tel) Email: katie.bidwell@arcadis-us.com Project Name: NYSDEC-Standby VESTAL Site:		Lab PM: Stone, Judy L E-Mail: judy.stone@testamericainc.com Carrier Tracking No(s): COC No: 480-72290-18034.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): STD PO #: Project 00266401.0000 WO #: Contract D007618 Project #: 48005198 SSOW#:		Analysis Requested  480-87966 Chain of Custody 8260C - (MOD) TCL list OLM04.2	
Sample Identification Well 1-2A Well 1-3 Trip Blank 09 24 15		Field Filled Sample (Yes or No) <input checked="" type="checkbox"/> A Matrix (W=water, Sewage, Other, A=Air) Water Sample Type (C=Comp, G=grab) G Sample Time 0830 Sample Date 9/24/15 Preservation Code:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: <input type="checkbox"/> I, II, IV, Other (specify)		Total Number of Containers:	
Empty Kit Relinquished by: <i>[Signature]</i> Relinquished by: <i>[Signature]</i> Relinquished by: <i>[Signature]</i>		Special Instructions/Note: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:	
Date/Time: 9/24/15 0830 Date/Time: 9-25-15 1800 Date/Time:		Date/Time: 9-25-15 1240 Date/Time: 9-26-15 0215 Date/Time:	
Relinquished by: <i>[Signature]</i> Relinquished by: <i>[Signature]</i> Relinquished by:		Received by: <i>[Signature]</i> Received by: <i>[Signature]</i> Received by:	
Company: ARCADIS Company: ARCADIS Company:		Company: TA ALB Company: TA ALB Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 0.9	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-87966-1

Login Number: 87966
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

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	ARCADIS
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	



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Town of Vestal

Project Name: Town of Vestal Monthly/Quarterly

Bill Peltz
701 Vestal Parkway West
Vestal, NY 13850-1363

Project / PO Number: N/A
Received: 07/14/2015 12:00
Reported: 07/28/2015 16:06

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J5G0684-01
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 07/14/15
Collection Time: 11:21

Table with 9 columns: Volatile Organic Compounds - GC/MS, Result, MCL, PQL, Units, Note, Prepared, Analyzed, Lab. Rows include various compounds like Benzene, Bromobenzene, etc., with their respective results and MCL values.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
 Lab Sample ID: J5G0684-01
 Sample Type: Grab

Collected By: BNR-Lab
 Collection Date: 07/14/15
 Collection Time: 11:21

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
Naphthalene	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
Styrene	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
Toluene	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/15 2239	07/22/15 2239	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/15 2239	07/22/15 2239	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		07/22/15 2239	07/22/15 2239	SAY
Surrogate: 4-Bromofluorobenzene	85.6		Limit: 70-130	% Rec		07/22/15 2239	07/22/15 2239	SAY
Surrogate: 1,2-Dichlorobenzene-d4	86.6		Limit: 70-130	% Rec		07/22/15 2239	07/22/15 2239	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J5G0684-02
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 07/14/15
Collection Time: 11:24



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J5G0684-02
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 07/14/15
Collection Time: 11:24

Table with 9 columns: Volatile Organic Compounds - GC/MS, Result, MCL, PQL, Units, Note, Prepared, Analyzed, Lab. Includes a list of compounds like Benzene, Bromobenzene, etc., with their respective results and MCL/PQL values.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
 Lab Sample ID: J5G0684-02
 Sample Type: Grab

Collected By: BNR-Lab
 Collection Date: 07/14/15
 Collection Time: 11:24

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Tetrachloroethene	<0.500	5.00	0.500	ug/L		07/22/15 2312	07/22/15 2312	SAY
Toluene	<0.500	5.00	0.500	ug/L		07/22/15 2312	07/22/15 2312	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/15 2312	07/22/15 2312	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/15 2312	07/22/15 2312	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/15 2312	07/22/15 2312	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/15 2312	07/22/15 2312	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		07/22/15 2312	07/22/15 2312	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		07/22/15 2312	07/22/15 2312	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		07/22/15 2312	07/22/15 2312	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/15 2312	07/22/15 2312	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/15 2312	07/22/15 2312	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		07/22/15 2312	07/22/15 2312	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/15 2312	07/22/15 2312	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/15 2312	07/22/15 2312	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		07/22/15 2312	07/22/15 2312	SAY
Surrogate: 4-Bromofluorobenzene	87.0		Limit: 70-130	% Rec		07/22/15 2312	07/22/15 2312	SAY
Surrogate: 1,2-Dichlorobenzene-d4	88.4		Limit: 70-130	% Rec		07/22/15 2312	07/22/15 2312	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J5G0684-03
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 07/14/15
Collection Time: 11:15



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J5G0684-03
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 07/14/15
Collection Time: 11:15

Table with 9 columns: Volatile Organic Compounds - GC/MS, Result, MCL, PQL, Units, Note, Prepared, Analyzed, Lab. Includes a list of compounds like Benzene, Bromobenzene, etc., with their respective results and MCL/PQL values.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
 Lab Sample ID: J5G0684-03
 Sample Type: Grab

Collected By: BNR-Lab
 Collection Date: 07/14/15
 Collection Time: 11:15

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Tetrachloroethene	<0.500	5.00	0.500	ug/L		07/22/15 2345	07/22/15 2345	SAY
Toluene	<0.500	5.00	0.500	ug/L		07/22/15 2345	07/22/15 2345	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/15 2345	07/22/15 2345	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/15 2345	07/22/15 2345	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/15 2345	07/22/15 2345	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/15 2345	07/22/15 2345	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		07/22/15 2345	07/22/15 2345	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		07/22/15 2345	07/22/15 2345	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		07/22/15 2345	07/22/15 2345	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/15 2345	07/22/15 2345	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/15 2345	07/22/15 2345	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		07/22/15 2345	07/22/15 2345	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/15 2345	07/22/15 2345	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/15 2345	07/22/15 2345	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		07/22/15 2345	07/22/15 2345	SAY
Surrogate: 4-Bromofluorobenzene	83.4		Limit: 70-130	% Rec		07/22/15 2345	07/22/15 2345	SAY
Surrogate: 1,2-Dichlorobenzene-d4	88.8		Limit: 70-130	% Rec		07/22/15 2345	07/22/15 2345	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J5G0684-04
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 07/14/15
Collection Time: 11:18



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J5G0684-04
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 07/14/15
Collection Time: 11:18

Table with 9 columns: Volatile Organic Compounds - GC/MS, Result, MCL, PQL, Units, Note, Prepared, Analyzed, Lab. Rows list various compounds like Benzene, Bromobenzene, etc., with their respective results and MCL/PQL values.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
 Lab Sample ID: J5G0684-04
 Sample Type: Grab

Collected By: BNR-Lab
 Collection Date: 07/14/15
 Collection Time: 11:18

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Tetrachloroethene	<0.500	5.00	0.500	ug/L		07/24/15 1613	07/24/15 1613	SAY
Toluene	<0.500	5.00	0.500	ug/L		07/24/15 1613	07/24/15 1613	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/24/15 1613	07/24/15 1613	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/24/15 1613	07/24/15 1613	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		07/24/15 1613	07/24/15 1613	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		07/24/15 1613	07/24/15 1613	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		07/24/15 1613	07/24/15 1613	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		07/24/15 1613	07/24/15 1613	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		07/24/15 1613	07/24/15 1613	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/24/15 1613	07/24/15 1613	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/24/15 1613	07/24/15 1613	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		07/24/15 1613	07/24/15 1613	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	07/24/15 1613	07/24/15 1613	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	07/24/15 1613	07/24/15 1613	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		07/24/15 1613	07/24/15 1613	SAY
Surrogate: 4-Bromofluorobenzene	81.6		Limit: 70-130	% Rec		07/24/15 1613	07/24/15 1613	SAY
Surrogate: 1,2-Dichlorobenzene-d4	81.8		Limit: 70-130	% Rec		07/24/15 1613	07/24/15 1613	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J5G0684-07
Sample Type: Trip Blank

Collected By: Deron Biechele
Collection Date: 07/14/15
Collection Time: N/A



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J5G0684-07
Sample Type: Trip Blank

Collected By: Deron Biechele
Collection Date: 07/14/15
Collection Time: N/A

Table with 9 columns: Volatile Organic Compounds - GC/MS, Result, MCL, PQL, Units, Note, Prepared, Analyzed, Lab. Includes a list of compounds and their corresponding results and MCL/PQL values.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Analytical Testing Parameters

Client Sample ID: Trip Blank
 Lab Sample ID: J5G0684-07
 Sample Type: Trip Blank

Collected By: Deron Biechele
 Collection Date: 07/14/15
 Collection Time: N/A

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Tetrachloroethene	<0.500	5.00	0.500	ug/L		07/24/15 1857	07/24/15 1857	SAY
Toluene	<0.500	5.00	0.500	ug/L		07/24/15 1857	07/24/15 1857	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/24/15 1857	07/24/15 1857	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/24/15 1857	07/24/15 1857	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		07/24/15 1857	07/24/15 1857	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		07/24/15 1857	07/24/15 1857	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		07/24/15 1857	07/24/15 1857	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		07/24/15 1857	07/24/15 1857	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		07/24/15 1857	07/24/15 1857	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/24/15 1857	07/24/15 1857	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/24/15 1857	07/24/15 1857	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		07/24/15 1857	07/24/15 1857	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	07/24/15 1857	07/24/15 1857	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	07/24/15 1857	07/24/15 1857	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		07/24/15 1857	07/24/15 1857	SAY
Surrogate: 4-Bromofluorobenzene	80.2		Limit: 70-130	% Rec		07/24/15 1857	07/24/15 1857	SAY
Surrogate: 1,2-Dichlorobenzene-d4	85.0		Limit: 70-130	% Rec		07/24/15 1857	07/24/15 1857	SAY

Laboratory

SAY Microbac Laboratories Inc., - Sayre

Definitions

MCL: Maximum Contaminant Level
 PQL: Practical Quantitation Limit
 Y: This analyte is not on the laboratory's current Scope of Accreditation.

Cooler Receipt Log:

Cooler ID:	Default Cooler	Received On Ice (or not required):	Yes
Cooler Temp:	3.8 °C	Preservation Correct (or not required):	Yes
COC/Labels Agree:	Yes	Custody Seals Intact and/or No Evidence of Tampering	Yes
Containers Intact:	Yes		

Project Requested Certification(s):

Microbac Laboratories, Inc. - New York NY Lab ID No.: 10795	New York State Department of Health
Microbac Laboratories, Inc. - Sayre NY Lab ID No.: 11216	New York State Department of Health



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5G0684

Report Comments:

In accordance with NYSDOH-ELAP and NELAC, any non-conformance of these regulations are noted directly on the laboratory report as qualifiers and/or noted in the case narrative.

Go Green: Contact Anna Tubbs to set up email reporting and invoicing options .

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included.

For any feedback concerning our services, please contact Anna Tubbs listed above at anna.tubbs@microbac.com or 607-753-3403. You may also contact Trevor Boyce President, at president@microbac.com.

Reviewed and Approved By:

A handwritten signature in blue ink, appearing to read "Anna Tubbs", is written over a light blue rectangular background.

Anna Tubbs
Project Manager
07/28/2015 16:06

3821 Buck Drive
 Cortland NY 13045
 Phone:(607)753-3403 Fax:(607)753-3415
 NY #10795, EPA #NY00935

Microbac Laboratories, Inc. CHAIN OF CUSTODY

Client Information Name: Town Of Vestal Address: 701 Vestal PKWY, West Vestal, NY 13850-1363 Contact: Scott Groats Phone: 607-748-7574 Ext: 357 Project: Monthly Quote ID: PO#:		Billing/Invoice: Rush TAT Bus. Days: <2 2-5 5-7 7-10 Carbon Copy: Yes Email Results: Yes Fax Results: Yes		Analysis Requested Receiving Info (Lab Use Only) Ice: <input checked="" type="radio"/> YES <input type="radio"/> NO Cooler: <input checked="" type="radio"/> YES <input type="radio"/> NO Sample Temp: 3.0 Cooler Seal: YES NO Pickup: YES NO Dropoff: C W Accepted? YES NO	
Sample Information Description/Location Date Time Initial Matrix Type 1 1-2A Raw 7-14-15 11 ³¹ BWT DW G 2 1-2A Finished 7-14-15 11 ³⁴ BWT DW G 3 1-3 Raw 7-14-15 11 ³⁵ BWT DW G 4 1-3 Finished 7-14-15 11 ³⁸ BWT DW G 5 4-2 Raw DW G 6 4-2 Finished DW G 7 Trip Blank DW G 8		Number of Containers for Analysis Requested Glass 524.2 Glass 40 HCL 40 HCL 1		Container Material Container Size (in Ml) Preservative Comments/Field Data	
Print Name and Company Bethany Robinson MLI		Signature Bethany Robinson		Date/Time 7-14-15 12 ⁰⁰	
Sampled:		Received:		Received:	



Microbac Laboratories (MNY) may be unable to perform a portion of the requested testing in which case we will subcontract the analysis to another accredited laboratory. By signing this document you are attesting that you have been informed by MNY of the intent to subcontract and are in agreement with this action.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Town of Vestal

Project Name: Town of Vestal Monthly/Quarterly

Bill Peltz
701 Vestal Parkway West
Vestal, NY 13850-1363

Project / PO Number: N/A
Received: 08/11/2015 16:34
Reported: 08/27/2015 23:30

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J5H0429-01
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 08/11/15
Collection Time: 12:00

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS

Method: 524.2

Table with 8 columns: Compound Name, Result, MCL, PQL, Units, Note, Prepared, Analyzed. Lists various organic compounds and their detection results.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
 Lab Sample ID: J5H0429-01
 Sample Type: Grab

Collected By: BNR-Lab
 Collection Date: 08/11/15
 Collection Time: 12:00

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed
Chlorobenzene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Chloroethane	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Chloroform	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Chloromethane	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
cis-1,2-Dichloroethene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Dibromochloromethane	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Dibromomethane	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Dichlorodifluoromethane	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Ethylbenzene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Hexachlorobutadiene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Isopropylbenzene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L		08/24/15 1449	08/24/15 1449
Methylene chloride	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Naphthalene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
n-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
n-Propylbenzene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
sec-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Styrene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
tert-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Tetrachloroethene (PCE)	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Toluene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
trans-1,2-Dichloroethene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Trichloroethene (TCE)	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Trichlorofluoromethane	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Vinyl chloride	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Xylenes (total)	<0.50		0.50	ug/L		08/24/15 1449	08/24/15 1449
Surrogate: 1,2-Dichlorobenzene-d4	94		Limit: 70-130	% Rec		08/24/15 1449	08/24/15 1449
Surrogate: Bromofluorobenzene	100		Limit: 70-130	% Rec		08/24/15 1449	08/24/15 1449



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J5H0429-02
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 08/11/15
Collection Time: 12:04



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
 Lab Sample ID: J5H0429-02
 Sample Type: Grab

Collected By: BNR-Lab
 Collection Date: 08/11/15
 Collection Time: 12:04

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

**524.2 - Purgeable Organic Compounds
 in water, Capillary Column, GC/MS**

	Result	MCL	PQL	Units	Note	Prepared	Analyzed
Method: 524.2							
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,1,1-Trichloroethane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,1,2-Trichloroethane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,1-Dichloroethane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,1-Dichloroethene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,1-Dichloropropene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,2,3-Trichloropropane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,2,3-Trimethylbenzene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,2-Dibromo-3-chloropropane (DBCP)	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,2-Dichlorobenzene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,2-Dichloroethane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,2-Dichloropropane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,3-Dichlorobenzene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,3-Dichloropropane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
1,4-Dichlorobenzene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
2,2-Dichloropropane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
2-Chlorotoluene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
4-Chlorotoluene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
4-Isopropyltoluene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
Benzene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
Bromobenzene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
Bromochloromethane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
Bromodichloromethane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
Bromoform	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
Bromomethane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
Carbon tetrachloride	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
Chlorobenzene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
Chloroethane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
Chloroform	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
Chloromethane	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
cis-1,2-Dichloroethene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		08/24/15 1512	08/24/15 1512



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J5H0429-02
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 08/11/15
Collection Time: 12:04

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

Table with 8 columns: Compound Name, Result, MCL, PQL, Units, Note, Prepared, Analyzed. Rows include various organic compounds like Dibromochloromethane, Ethylbenzene, etc., with their respective results and limits.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J5H0429-03
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 08/11/15
Collection Time: 12:10



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J5H0429-03
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 08/11/15
Collection Time: 12:10

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS

Table with 8 columns: Result, MCL, PQL, Units, Note, Prepared, Analyzed. Lists various organic compounds and their detection results.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
 Lab Sample ID: J5H0429-03
 Sample Type: Grab

Collected By: BNR-Lab
 Collection Date: 08/11/15
 Collection Time: 12:10

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed
Dibromochloromethane	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Dibromomethane	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Dichlorodifluoromethane	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Ethylbenzene	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Hexachlorobutadiene	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Isopropylbenzene	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L		08/24/15 1535	08/24/15 1535
Methylene chloride	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Naphthalene	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
n-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
n-Propylbenzene	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
sec-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Styrene	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
tert-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Tetrachloroethene (PCE)	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Toluene	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
trans-1,2-Dichloroethene	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Trichloroethene (TCE)	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Trichlorofluoromethane	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Vinyl chloride	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Xylenes (total)	<0.50		0.50	ug/L		08/24/15 1535	08/24/15 1535
Surrogate: 1,2-Dichlorobenzene-d4	105		Limit: 70-130	% Rec		08/24/15 1535	08/24/15 1535
Surrogate: Bromofluorobenzene	83		Limit: 70-130	% Rec		08/24/15 1535	08/24/15 1535



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J5H0429-04
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 08/11/15
Collection Time: 12:14



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J5H0429-04
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 08/11/15
Collection Time: 12:14

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

Table with 8 columns: 524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS, Result, MCL, PQL, Units, Note, Prepared, Analyzed. Lists various chemical compounds and their corresponding test results.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
 Lab Sample ID: J5H0429-04
 Sample Type: Grab

Collected By: BNR-Lab
 Collection Date: 08/11/15
 Collection Time: 12:14

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed
Dibromochloromethane	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Dibromomethane	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Dichlorodifluoromethane	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Ethylbenzene	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Hexachlorobutadiene	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Isopropylbenzene	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L		08/24/15 1559	08/24/15 1559
Methylene chloride	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Naphthalene	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
n-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
n-Propylbenzene	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
sec-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Styrene	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
tert-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Tetrachloroethene (PCE)	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Toluene	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
trans-1,2-Dichloroethene	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Trichloroethene (TCE)	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Trichlorofluoromethane	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Vinyl chloride	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Xylenes (total)	<0.50		0.50	ug/L		08/24/15 1559	08/24/15 1559
Surrogate: 1,2-Dichlorobenzene-d4	96		Limit: 70-130	% Rec		08/24/15 1559	08/24/15 1559
Surrogate: Bromofluorobenzene	99		Limit: 70-130	% Rec		08/24/15 1559	08/24/15 1559



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J5H0429-05
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 08/11/15
Collection Time: 11:50



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J5H0429-05
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 08/11/15
Collection Time: 11:50

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS

Table with 8 columns: Compound Name, Result, MCL, PQL, Units, Note, Prepared, Analyzed. Lists various organic compounds and their detection results.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
 Lab Sample ID: J5H0429-05
 Sample Type: Grab

Collected By: BNR-Lab
 Collection Date: 08/11/15
 Collection Time: 11:50

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed
Dibromochloromethane	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
Dibromomethane	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
Dichlorodifluoromethane	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
Ethylbenzene	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
Hexachlorobutadiene	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
Isopropylbenzene	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L		08/24/15 1622	08/24/15 1622
Methylene chloride	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
Naphthalene	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
n-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
n-Propylbenzene	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
sec-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
Styrene	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
tert-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
Tetrachloroethene (PCE)	0.91		0.50	ug/L		08/24/15 1622	08/24/15 1622
Toluene	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
trans-1,2-Dichloroethene	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
Trichloroethene (TCE)	1.1		0.50	ug/L		08/24/15 1622	08/24/15 1622
Trichlorofluoromethane	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
Vinyl chloride	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
Xylenes (total)	<0.50		0.50	ug/L		08/24/15 1622	08/24/15 1622
Surrogate: 1,2-Dichlorobenzene-d4	96		Limit: 70-130	% Rec		08/24/15 1622	08/24/15 1622
Surrogate: Bromofluorobenzene	104		Limit: 70-130	% Rec		08/24/15 1622	08/24/15 1622



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J5H0429-06
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 08/11/15
Collection Time: 11:53



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J5H0429-06
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 08/11/15
Collection Time: 11:53

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

Table with 8 columns: 524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS, Result, MCL, PQL, Units, Note, Prepared, Analyzed. Lists various chemical compounds and their analysis results.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
 Lab Sample ID: J5H0429-06
 Sample Type: Grab

Collected By: BNR-Lab
 Collection Date: 08/11/15
 Collection Time: 11:53

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed
Dibromochloromethane	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Dibromomethane	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Dichlorodifluoromethane	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Ethylbenzene	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Hexachlorobutadiene	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Isopropylbenzene	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L		08/24/15 1646	08/24/15 1646
Methylene chloride	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Naphthalene	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
n-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
n-Propylbenzene	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
sec-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Styrene	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
tert-Butylbenzene	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Tetrachloroethene (PCE)	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Toluene	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
trans-1,2-Dichloroethene	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Trichloroethene (TCE)	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Trichlorofluoromethane	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Vinyl chloride	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Xylenes (total)	<0.50		0.50	ug/L		08/24/15 1646	08/24/15 1646
Surrogate: 1,2-Dichlorobenzene-d4	96		Limit: 70-130	% Rec		08/24/15 1646	08/24/15 1646
Surrogate: Bromofluorobenzene	101		Limit: 70-130	% Rec		08/24/15 1646	08/24/15 1646

Definitions

MCL: Maximum Contaminant Level
PQL: Practical Quantitation Limit

Cooler Receipt Log:

Cooler ID:	Default Cooler	Received On Ice (or not required):	Yes
Cooler Temp:	4.2 °C	Preservation Correct (or not required):	Yes
COC/Labels Agree:	Yes	Custody Seals Intact and/or No Evidence of Tampering	Yes
Containers Intact:	Yes		



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5H0429

Project Requested Certification(s):

Microbac Laboratories, Inc. - New York

NY Lab ID No.: 10795

New York State Department of Health

Microbac Laboratories, Inc. - Sayre

NY Lab ID No.: 11216

New York State Department of Health

Microbac Laboratories, Inc. Dayville (NY 11549)

NY 11549

New York (NELAP)

Report Comments:

In accordance with NYSDOH-ELAP and NELAC, any non-conformance of these regulations are noted directly on the laboratory report as qualifiers and/or noted in the case narrative.

Reviewed and Approved By:

Anna Tubbs
Project Manager
08/27/2015 23:30

Go Green: Contact Anna Tubbs to set up email reporting and invoicing options .

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included.

For any feedback concerning our services, please contact Anna Tubbs listed above at anna.tubbs@microbac.com or 607-753-3403. You may also contact Trevor Boyce President, at president@microbac.com.

3821 Buck Drive
 Cortland NY 13045
 Phone:(607)753-3403 Fax:(607)753-3415
 NY #10795, EPA #NY00935

Microbac Laboratories, Inc. CHAIN OF CUSTODY

Client Information		Billing/Invoice:		Analysis Requested		Receiving Info (Lab Use Only)					
Name: Town Of Vestal						Ice: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
Address: 701 Vestal PKWY, West Vestal, NY 13850-1363						Cooler: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
Contact: Scott Groats						Sample Temp: <u>4.2°C</u>					
Phone: 607-748-7574 Ext: 357						Cooler Seal: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
Project: Monthly		PO#:				Pickup: <input type="checkbox"/> YES <input type="checkbox"/> NO					
Quote ID:		Rush TAT Bus. Days: <2 2-5 5-7 7-10		Date Req.:		Dropoff: <input type="checkbox"/> C <input type="checkbox"/> W					
Carbon Copy: <input checked="" type="checkbox"/> Yes						Accepted? <input type="checkbox"/> YES <input type="checkbox"/> NO					
Email Results: <input checked="" type="checkbox"/> Yes						Container Material:					
Fax Results: <input checked="" type="checkbox"/> Yes						Container Size(in Mil)					
						Preservative					
Sample Information				Number of Containers for Analysis Requested				Comments/Field Data			
Description/Location	Date	Time	Initial	Matrix Type	Glass	HCL	HCL				
1 1-2A Raw	8/11/15	1200	BNT	DW	5242						
2 1-2A Finished	8/11/15	1201	BNT	G	40						
3 1-3 Raw	8/11/15	1210	BNT	DW	40						
4 1-3 Finished	8/11/15	1214	BNT	G	HCL						
5 4-2 Raw	8/11/15	1150	BNT	DW	2						
6 4-2 Finished	8/11/15	1153	BNT	G	2						
7 Trip Blank	8/11/15	0900	BNT	DW	2	1					
8											
Print Name and Company				Signature				Date/Time			
Sampled: Bethany Robinson				Bethany Robinson				8/11/15 1217			
Received: Decon Biechele								8-11-15 / 1634			
Received:											
Received:											



15H0429

Microbac Laboratories (MNY) may be unable to perform a portion of the requested testing in which case we will subcontract the analysis to another accredited laboratory. By signing this document you are attesting that you have been informed by MNY of the intent to subcontract and are in agreement with this action.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J510475

Town of Vestal

Project Name: Town of Vestal Monthly/Quarterly

Bill Peltz
701 Vestal Parkway West
Vestal, NY 13850-1363

Project / PO Number: N/A
Received: 09/15/2015 13:16
Reported: 09/22/2015 09:08

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J510475-01
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 09/15/15
Collection Time: 11:02

Table with 9 columns: Volatile Organic Compounds - GC/MS, Result, MCL, PQL, Units, Note, Prepared, Analyzed, Lab. Includes a list of compounds and their corresponding results and MCL/PQL values.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5I0475

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
 Lab Sample ID: J5I0475-01
 Sample Type: Grab

Collected By: DJB-Lab
 Collection Date: 09/15/15
 Collection Time: 11:02

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Naphthalene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
Styrene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
Toluene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	09/17/15 0352	09/17/15 0636	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	09/17/15 0352	09/17/15 0636	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0636	SAY
Surrogate: 4-Bromofluorobenzene	80.8		Limit: 70-130	% Rec		09/17/15 0352	09/17/15 0636	SAY
Surrogate: 1,2-Dichlorobenzene-d4	78.4		Limit: 70-130	% Rec		09/17/15 0352	09/17/15 0636	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5I0475

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J5I0475-02
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 09/15/15
Collection Time: 11:17



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J510475

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J510475-02
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 09/15/15
Collection Time: 11:17

Table with 9 columns: Volatile Organic Compounds - GC/MS, Result, MCL, PQL, Units, Note, Prepared, Analyzed, Lab. Rows include various compounds like Benzene, Bromobenzene, etc., with their respective results and MCL/PQL values.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J510475

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
 Lab Sample ID: J510475-02
 Sample Type: Grab

Collected By: DJB-Lab
 Collection Date: 09/15/15
 Collection Time: 11:17

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0709	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0709	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0709	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0709	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0709	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0709	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0709	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0709	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0709	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0709	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		09/17/15 0352	09/17/15 0709	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	09/17/15 0352	09/17/15 0709	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	09/17/15 0352	09/17/15 0709	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0709	SAY
Surrogate: 4-Bromofluorobenzene	85.0		Limit: 70-130	% Rec		09/17/15 0352	09/17/15 0709	SAY
Surrogate: 1,2-Dichlorobenzene-d4	75.4		Limit: 70-130	% Rec		09/17/15 0352	09/17/15 0709	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5I0475

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J5I0475-03
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 09/15/15
Collection Time: 11:24



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J510475

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J510475-03
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 09/15/15
Collection Time: 11:24

Table with 9 columns: Volatile Organic Compounds - GC/MS, Result, MCL, PQL, Units, Note, Prepared, Analyzed, Lab. Rows include various compounds like Benzene, Bromobenzene, etc., with their respective results and MCL/PQL values.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J510475

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
 Lab Sample ID: J510475-03
 Sample Type: Grab

Collected By: DJB-Lab
 Collection Date: 09/15/15
 Collection Time: 11:24

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0742	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0742	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0742	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0742	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0742	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0742	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0742	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0742	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0742	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0742	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		09/17/15 0352	09/17/15 0742	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	09/17/15 0352	09/17/15 0742	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	09/17/15 0352	09/17/15 0742	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0742	SAY
Surrogate: 4-Bromofluorobenzene	81.2		Limit: 70-130	% Rec		09/17/15 0352	09/17/15 0742	SAY
Surrogate: 1,2-Dichlorobenzene-d4	76.4		Limit: 70-130	% Rec		09/17/15 0352	09/17/15 0742	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5I0475

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J5I0475-04
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 09/15/15
Collection Time: 11:30



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J510475

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J510475-04
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 09/15/15
Collection Time: 11:30

Table with 9 columns: Volatile Organic Compounds - GC/MS, Result, MCL, PQL, Units, Note, Prepared, Analyzed, Lab. Rows include various compounds like Benzene, Bromobenzene, etc., with their respective results and MCL/PQL values.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J510475

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
 Lab Sample ID: J510475-04
 Sample Type: Grab

Collected By: DJB-Lab
 Collection Date: 09/15/15
 Collection Time: 11:30

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0815	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0815	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0815	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0815	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0815	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0815	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0815	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0815	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0815	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0815	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		09/17/15 0352	09/17/15 0815	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	09/17/15 0352	09/17/15 0815	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	09/17/15 0352	09/17/15 0815	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0815	SAY
Surrogate: 4-Bromofluorobenzene	84.8		Limit: 70-130	% Rec		09/17/15 0352	09/17/15 0815	SAY
Surrogate: 1,2-Dichlorobenzene-d4	76.8		Limit: 70-130	% Rec		09/17/15 0352	09/17/15 0815	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5I0475

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J5I0475-05
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 09/15/15
Collection Time: 10:24



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J510475

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J510475-05
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 09/15/15
Collection Time: 10:24

Table with 9 columns: Volatile Organic Compounds - GC/MS, Result, MCL, PQL, Units, Note, Prepared, Analyzed, Lab. Rows include various compounds like Benzene, Bromobenzene, etc., with their respective results and MCL/PQL values.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J510475

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
 Lab Sample ID: J510475-05
 Sample Type: Grab

Collected By: DJB-Lab
 Collection Date: 09/15/15
 Collection Time: 10:24

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0847	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0847	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0847	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0847	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0847	SAY
Trichloroethene	0.550	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0847	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0847	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0847	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0847	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0847	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		09/17/15 0352	09/17/15 0847	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	09/17/15 0352	09/17/15 0847	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	09/17/15 0352	09/17/15 0847	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0847	SAY
Surrogate: 4-Bromofluorobenzene	84.6		Limit: 70-130	% Rec		09/17/15 0352	09/17/15 0847	SAY
Surrogate: 1,2-Dichlorobenzene-d4	79.8		Limit: 70-130	% Rec		09/17/15 0352	09/17/15 0847	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5I0475

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J5I0475-06
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 09/15/15
Collection Time: 10:37



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J510475

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
 Lab Sample ID: J510475-06
 Sample Type: Grab

Collected By: DJB-Lab
 Collection Date: 09/15/15
 Collection Time: 10:37

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Method: EPA 524.2, Rv 4.1								
Benzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/18/15 0206	SAY
Methyl tert-butyl ether (MTBE)	<0.500	10.0	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Naphthalene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Styrene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY

Microbac Laboratories, Inc.

3821 Buck Dr. | Cortland, NY 13045 | 607-753-3403 p | www.microbac.com



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J510475

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
 Lab Sample ID: J510475-06
 Sample Type: Grab

Collected By: DJB-Lab
 Collection Date: 09/15/15
 Collection Time: 10:37

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	09/17/15 0352	09/17/15 0920	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	09/17/15 0352	09/17/15 0920	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		09/17/15 0352	09/17/15 0920	SAY
Surrogate: 4-Bromofluorobenzene	88.4		Limit: 70-130	% Rec		09/17/15 0352	09/17/15 0920	SAY
Surrogate: 1,2-Dichlorobenzene-d4	78.0		Limit: 70-130	% Rec		09/17/15 0352	09/17/15 0920	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5I0475

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J5I0475-07
Sample Type: Trip Blank

Collected By: DJB-Lab
Collection Date: 09/15/15
Collection Time: 11:02



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J510475

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J510475-07
Sample Type: Trip Blank

Collected By: DJB-Lab
Collection Date: 09/15/15
Collection Time: 11:02

Table with 9 columns: Volatile Organic Compounds - GC/MS, Result, MCL, PQL, Units, Note, Prepared, Analyzed, Lab. Includes a list of compounds and their corresponding results and MCL/PQL values.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J510475

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J510475-07
Sample Type: Trip Blank

Collected By: DJB-Lab
Collection Date: 09/15/15
Collection Time: 11:02

Table with 10 columns: Volatile Organic Compounds - GC/MS, Result, MCL, PQL, Units, Note, Prepared, Analyzed, Lab. Rows include Toluene, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, 1,1,2-Trichloroethane, 1,1,1-Trichloroethane, Trichloroethene, Trichlorofluoromethane (Freon 11), 1,2,3-Trichloropropane, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, Vinyl chloride, m,p-Xylene, o-Xylene, Xylenes (total), Surrogate: 4-Bromofluorobenzene, Surrogate: 1,2-Dichlorobenzene-d4.

Laboratory

SAY: Microbac Laboratories Inc., - Sayre

Definitions

MCL: Maximum Contaminant Level
PQL: Practical Quantitation Limit
Y: This analyte is not on the laboratory's current Scope of Accreditation.

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 3.3°C

Cooler Inspection Checklist

Table with 4 columns: Item, Yes, Containers Intact, Yes. Rows include Custody Seals Intact and/or No Evidence of Tampering, COC/Labels Agree, Received on Ice (or not required).

Project Requested Certification(s)

Microbac Laboratories Inc., - Sayre
NY Lab ID No.: 11216

New York State Department of Health



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J5I0475

Report Comments

In accordance with NYSDOH-ELAP and NELAC, any non-conformance of these regulations are noted directly on the laboratory report as qualifiers and/or noted in the case narrative.

Go Green: Contact Anna Tubbs to set up email reporting and invoicing options .

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. For any feedback concerning our services, please contact Anna Tubbs at anna.tubbs@microbac.com. You may also contact Trevor Boyce President, at president@microbac.com.

Reviewed and Approved By:

A handwritten signature in blue ink that reads "Anna Tubbs".

Anna Tubbs
Project Manager
09/22/2015 09:08

Microbac Laboratories, Inc. CHAIN OF CUSTODY

3821 Buck Drive
 Cortland NY 13045
 Phone: (607) 753-3403 Fax: (607) 753-3415
 NY #10785, EPA #NY00935

Client Information		Billing/Invoice:		Analysis Requested		Receiving Info (Lab Use Only)	
Name: Town Of Vestal		Rush TAT Bus. Days: <2 2-5 5-7 7-10		Ice: YES NO		Cooler: YES NO	
Address: 701 Vestal PKWY, West Vestal, NY 13850-1363		Date Req.:		Sample Temp: 33		Cooler Seal: YES NO	
Contact: Scott Groats		Carbon Copy: Yes		Pickup: YES NO		Dropoff: C W	
Phone: 607-748-7574 Ext: 357		Email Results: Yes		Accepted? YES NO			
Project: Monthly		Fax Results: Yes		Container Material			
Quote ID: PO#:				Container Size (in MI)			
				Preservative			
				Comments/Field Data			
Sample Information		Matrix		Number of Containers for Analysis Requested		Date/Time	
Description/Location	Date	Time	Initial	Glass	HCL	Signature	Comments
1 1-2A Raw	9-19-15	1102	DJB	2	2		
2 1-2A Finished		1117		2	2		
3 1-3 Raw		1124		2	2		
4 1-3 Finished		1130		2	2		
5 4-2 Raw		1024		2	2		
6 4-2 Finished		1037		2	2		
7 Trip Blank		1102		1	1		
8							
Sampled: <i>Deon Brochele</i>		MLI		Date/Time: 9-15-15 / 1348		Signature: <i>Deon Brochele</i>	
Received:				Date/Time: 9/15/15 13:14		Signature: <i>Gunter Walker</i>	
Received:							
Received:							



J510475

Microbac Laboratories (MNY) may be unable to perform a portion of the requested testing in which case we will subcontract the analysis to another accredited laboratory. By signing this document you are attesting that you have been informed by MNY of the intent to subcontract and are in agreement with this action.

Arcadis CE, Inc.

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New York 12065

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A decorative graphic consisting of three thin orange lines. One line is horizontal, extending across the width of the page. Two other lines are diagonal, starting from the bottom left and extending towards the top right, intersecting the horizontal line.