



**Department of
Environmental
Conservation**

Division of Environmental Remediation

REMEDIAL SYSTEM OPTIMIZATION REPORT – THIRD QUARTER 2016

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

May 2017

**REMEDIAL SYSTEM
OPTIMIZATION
REPORT – THIRD
QUARTER 2016**

Vestal Water Supply Site

Site No. 7-04-009A



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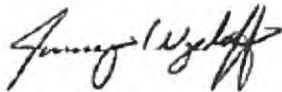
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1 INTRODUCTION

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 2016 through September 2016 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 including wells surrounding the Town of Vestal water supply wells 1-2A and 1-3 and Well 1-1. (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 September 15, 2016 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. As shown in Table 2-2, light non-aqueous phase liquid (LNAPL) was detected in monitoring well ERT-1S (1.43 ft.) during the September 15, 2016 gauging event. Based on gauging data presented in the 2012 Conceptual Site Model (Lockheed Martin, 2012), LNAPL has previously been identified in ERT-1S. Monitoring well ERT-1S, as well as the surrounding ERT monitoring wells, will continue to be monitored during the next quarter.

The September 15, 2016 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 September 2016 Potentiometric Maps (September 15, 2016)

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 northeast, 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 September 2016 Groundwater Sampling

On September 29, 2016 groundwater samples were collected using PDBs that were deployed on September 15, 2016 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) are not part of the sampling program. 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 September 2016 Groundwater Sampling Results

Groundwater results from the September 2016 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 September groundwater sampling event are presented on Figures 2-5, 2-6, 2-7, and 2-8, respectively.

As shown in Figure 2-5 and Table 2-3, VOCs were detected in the following four wells that are screened in the shallow groundwater zone; 4009-9, 4009-10, 4009-16A, and 4009-30A. Benzene was the only VOC detected in monitoring wells 4009-10 and 4009-16A. The benzene concentration in the sample from monitoring well 4009-16A slightly exceeded the NYSDEC Class GA groundwater standard. In the sample collected from monitoring well 4009-9, TCE was detected at a low estimated concentration and benzene and cis-1,2 DCE were the only VOCs exceeding their respective NYSDEC Class GA Groundwater Standard. VOCs were not detected in the shallow groundwater zone monitoring wells 4009-11A and 4009-13A during the September 2016 sampling event. The total VOCs measured at each of the shallow monitoring wells is as follows; 4009-9 (26.3 µg/L), 4009-10 (0.65 µg/L), 4009-16A (1.40 µg/L), and 4009-30A (0.51 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 September sampling event were from well 4009-29S. The VOC concentrations in the intermediate groundwater zone ranged from 4.60 µg/L at monitoring well 4009-27I to the maximum concentration of total VOCs in groundwater sample collected from 4009-29S (804 µg/L).

The following ten monitoring wells screened in the deep groundwater monitoring zone contained concentrations of VOCs that exceeded NYSDEC Class GA Groundwater Standards; 4009-11, 4009-12, 4009-13, 4009-14, 4009-15, 4009-16, 4009-21, 4009-22, 4009-29D, and Well 1-1 (Figure 2-7 and Table 2-3). Benzene (discussed below) was the only VOC exceeding the NYSDEC Class GA Groundwater Standard of 1.0 µg/L in seven of the ten monitoring wells listed above, with concentrations ranging from 1.3 µg/L (4009-22) to 21 µg/L (4009-21). The total VOCs measured in the remaining three deep monitoring wells is as follows; 4009-11 (150 µg/L), 4009-29D (34.5 µg/L), and Well 1-1 (504 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 north and west to 4009-11 and 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. Historically the concentrations in samples from monitoring wells 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 September 2016 sampling event are generally consistent with the range of results reported during the last two years with the exception of four wells; Wells 4009-11, 4009-12, 4009-29S and 4009-29I. Wells showed overall decreases in total VOC concentrations, while several VOC concentrations increased in 4009-11 including 1,1,1-TCA, 1,1-DCA, cis-1,2-DCE, and vinyl chloride.

Concentrations of VOCs in samples from the monitoring wells in the vicinity of the Town of Vestal's water supply wells 1-2A and 1-3 (monitoring wells 4009-16/16A, 4009-18, 4009-19, 4009-21, 4009-30/30A) are generally consistent with the previous sampling events. The concentration of VOCs in monitoring wells 4009-18, 4009-19, and 4009-30A were non-detect, with the exception of an estimated concentration of benzene (0.47 J µg/L) in 4009-18, an estimated concentration of 1,1-DCA in 4009-30A (0.51 J µg/L) and estimated concentrations of 1,1-DCA (0.52 J µg/L) and benzene (0.56 J µg/L) in 4009-30. All estimated concentrations were less than their respective NYSDEC Class GA Standard for benzene (1.0 µg/L) and or 1,1-DCA (5.0 µg/L). Concentrations of benzene were detected in 4009-16 (8.0 µg/L), 4009-16A (1.4 µg/L), and 4009-21 (21 µg/L). All three detections were greater than the respective NYSDEC Class GA Standard for benzene. Concentration trends will continue to be monitored during the next quarter.

Benzene concentrations have increased in the central portion of the study area over the past two years including monitoring wells 4009-12, 4009-14, 4009-15, 4009-16, 4009-21 and 4009-29I. During the September 2016 sampling event, benzene concentrations were detected in the following shallow monitoring wells; 4009-9 (3.7 µg/L), 4009-10 (0.65 J µg/L), and 4009-16A (1.4 µg/L), in the intermediate

groundwater monitoring zone at monitoring well 4009-27I (4.6 µg/L), 4009-29I (75 µg/L), and the deep monitoring wells; 4009-11 (1.3 µg/L), 4009-12 (8.7 µg/L), 4009-13 (1.9 µg/L), 4009-14 (15 µg/L), 4009-15 (7.8 µg/L), 4009-16 (8.0 µg/L), 4009-18 (0.47 J µg/L), 4009-21 (21 µg/L), 4009-22 (1.3 µg/L), and 4009-30 (0.56 J µg/L). Benzene concentrations in samples from 12 of the 15 wells listed above exceeded the NYSDEC Class GA Groundwater Standard of 1.0 µg/L for benzene (Figures 2-9 through 2-12). The highest benzene concentration was noted in 4009-29I. The concentration is greater than what has been seen in recent sampling events for the site. These concentrations will continue to be monitored during the next quarter. Due to some inconsistencies with the data as noted above, a third party validator reviewed the data for the September 2016 sampling event for monitoring wells 4009-29S and 4009-29I. The data validator reported results were usable as reported.

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 20, 2016, August 16, 2016, and September 6, 2016. Pre-treatment groundwater samples were also collected by Arcadis from the Town of Vestal water supply wells 1-2A and 1-3 on July 28, 2016, August 18, 2016, and September 15, 2016. 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 were not 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 current 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 2016).

TABLES



Table 2-1 Summary of the Groundwater Monitoring Locations
Remedial Site Optimization Report /Third Quarter 2016 Vestal
Water Supply Site
Site Number 7-04-009A

WELL I.D.	2016 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			8/11/2014			11/24/2014			
		DTW (ftbgs)	DTP (ftbgs)	GW ELEV (famsl)	DTW (ftbgs)	DTP (ftbgs)	GW ELEV (famsl)	DTW (ftbgs)	DTP (ftbgs)	GW ELEV (famsl)	DTW (ftbgs)	DTP (ftbgs)	GW ELEV (famsl)	DTW (ftbgs)	DTP (ftbgs)	GW ELEV (famsl)	
4009-1	831.98	7.43	NP	824.55	7.15	NP	824.83	7.26	NP	824.72	7.75	NP	824.23	7.80	NP	824.18	
4009-2	827.78	18.16	NP	809.62	17.96	NP	809.82	17.90	NP	809.88	19.77	NP	808.01	20.22	NP	807.56	
4009-3	823.47	16.92	NP	806.55	14.52	NP	808.95	15.10	NP	808.37	17.94	NP	805.53	17.23	NP	806.24	
4009-4	822.22	11.87	NP	810.35	10.64	NP	811.58	10.80	NP	811.42	13.87	NP	808.35	13.65	NP	808.57	
4009-5	824.36	18.47	NP	805.89	16.23	NP	808.13	17.70	NP	806.66	21.94	NP	802.42	18.85	NP	805.51	
4009-6	827.73	20.88	NP	806.85	19.38	NP	808.35	19.50	NP	808.23	21.80	NP	805.93	21.73	NP	806.00	
4009-7	824.27	18.76	NP	805.51	16.28	NP	807.99	16.91	NP	807.36	20.22	NP	804.05	19.34	NP	804.93	
4009-8	824.52	19.69	NP	804.83	13.28	NP	811.24	17.60	NP	806.92	20.96	NP	803.56	20.24	NP	804.28	
4009-9	825.05	20.36	NP	804.69	18.00	NP	807.05	18.82	NP	806.23	21.84	NP	803.21	21.28	NP	803.77	
4009-10	831.31	26.44	NP	804.87	24.28	NP	807.03	24.95	NP	806.36	27.88	NP	803.43	27.43	NP	803.88	
4009-11	830.06	26.95	NP	803.11	23.75	NP	806.31	24.89	NP	805.17	28.36	NP	801.70	26.51	NP	803.55	
4009-11A	830.80	15.22	NP	815.58	14.78	NP	816.02	14.56	NP	816.24	16.69	NP	814.11	20.43	NP	810.37	
4009-12	823.34	18.80	NP	804.54	16.68	NP	806.66	17.52	NP	805.82	20.90	NP	802.44	19.22	NP	804.12	
4009-12A	823.80	20.21	NP	803.59	16.60	NP	807.20	17.98	NP	805.82	21.35	NP	802.45	20.05	NP	803.75	
4009-13	816.28	12.31	NP	803.97	8.97	NP	807.31	10.42	NP	805.86	13.60	NP	802.68	12.07	NP	804.21	
4009-13A	816.17	11.74	NP	804.43	8.72	NP	807.45	9.94	NP	806.23	13.00	NP	803.17	11.93	NP	804.24	
4009-14	820.71	16.62	NP	804.09	13.43	NP	807.28	15.36	NP	805.35	18.07	NP	802.64	16.57	NP	804.14	
4009-15	826.54	22.63	NP	803.91	19.35	NP	807.19	11.93	NP	814.61	24.18	NP	802.36	22.53	NP	804.01	
4009-16	826.72	22.68	NP	804.04	19.50	NP	807.22	21.12	NP	805.60	24.30	NP	802.42	22.70	NP	804.02	
4009-16A	826.84	22.45	NP	804.39	19.45	NP	807.39	21.22	NP	805.62	24.31	NP	802.53	22.72	NP	804.12	
4009-17	820.53	26.12	NP	794.41	12.95	NP	807.58	14.52	NP	806.01	17.66	NP	802.87	17.18	NP	803.35	
4009-18	834.78	30.59	NP	804.19	27.61	NP	807.17	29.38	NP	805.40	32.23	NP	802.55	30.73	NP	804.05	
4009-19	824.94	20.79	NP	804.15	17.78	NP	807.16	19.54	NP	805.40	22.42	NP	802.52	20.91	NP	804.03	
4009-20	822.90	18.45	NP	804.45	15.60	NP	807.30	17.82	NP	805.08	20.25	NP	802.65	18.69	NP	804.21	
4009-21	825.02	**	18.90	NP	804.20	15.90	NP	807.20	17.65	NP	805.45	20.55	NP	802.55	19.03	NP	804.07
4009-22	817.40		13.06	NP	804.34	9.85	NP	807.55	11.50	NP	805.90	14.03	NP	803.37	13.27	NP	804.13
4009-23S	824.48		16.65	NP	807.83	15.48	NP	809.00	14.88	NP	809.60	17.74	NP	806.74	18.33	NP	806.15
4009-23D	824.39		18.93	NP	806.46	16.37	NP	808.02	17.15	NP	807.24	20.50	NP	803.89	19.23	NP	805.16
4009-24	822.32		15.52	NP	806.80	13.38	NP	808.94	13.99	NP	808.33	16.94	NP	805.38	16.15	NP	806.17
4009-25S	823.61		14.77	NP	808.84	13.84	NP	809.77	13.95	NP	809.66	15.87	NP	807.74	16.00	NP	807.61
4009-25D	823.57		14.98	NP	808.59	13.70	NP	809.87	13.78	NP	809.79	15.85	NP	807.72	16.00	NP	807.57
4009-26	824.31		19.36	NP	804.95	16.55	NP	807.76	17.39	NP	806.92	20.62	NP	803.69	19.92	NP	804.39
4009-27S	826.19		21.97	NP	804.22	18.80	NP	807.39	20.02	NP	806.17	23.29	NP	802.90	22.02	NP	804.17
4009-27I	826.03		21.93	NP	804.10	18.63	NP	807.40	19.98	NP	806.05	23.18	NP	802.85	21.85	NP	804.18
4009-27D	825.87		21.90	NP	803.97	18.43	NP	807.44	19.88	NP	805.99	23.02	NP	802.85	21.65	NP	804.22
4009-28	821.59		17.71	NP	803.88	14.45	NP	807.14	16.00	NP	805.59	19.23	NP	802.36	17.65	NP	803.94
4009-29S	825.77		21.75	NP	804.02	18.42	NP	807.35	19.75	NP	806.02	23.03	NP	802.74	21.60	NP	804.17
4009-29I	825.68		21.94	NP	803.74	18.51	NP	807.17	19.86	NP	805.82	23.22	NP	802.46	21.61	NP	804.07
4009-29D	825.67		21.92	NP	803.75	18.54	NP	807.13	19.80	NP	805.87	23.18	NP	802.49	21.60	NP	804.07
4009-30	827.50	**	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
4009-30A	826.69	**	NM	NM	NM	NM	NM	NM	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	30.00	NP	802.36	28.33	NP	804.03
WELL 1-1A	831.13		24.93	NP	806.20	24.13	NP	807.00	26.72	NP	804.41	23.03	NP	808.10	27.10	NP	804.03
ERT-1S	824.01		12.65	11.72	810.57	11.83	10.88	811.37	11.53	10.62	811.71	13.96	12.95	809.19	14.96	14.02	808.25
ERT-1J	824.03		13.45	NP	810.58	12.43	NP	811.60	12.42	NP	811.61	15.17	NP	808.86	15.23	NP	808.80
ERT-1D	823.88		13.50	13.49	810.38	12.50	NP	811.38	12.42	NP	811.46	15.29	NP	808.59	15.18	NP	808.70
ERT-2S	824.67	*	14.19	NP	810.48	13.72	NP	810.95	13.00	NP	811.67	15.66	NP	809.01	15.81	NP	808.86
ERT-2J	824.54	*	14.07	NP	810.47	13.08	NP	811.46	13.06	NP	811.48	15.60	NP	808.94	15.71	15.70	808.83
ERT-2D	824.44	*	12.98	NP	811.46	12.88	NP	811.56	12.56	12.55	811.88	14.97	14.96	809.46	15.28	NP	809.16
ERT-3S	824.38		13.29	NP	811.09	12.94	NP	811.44	11.83	NP	812.55	14.14	NP	810.24	15.09	NP	809.29
ERT-3J	824.23		14.21	NP	810.02	13.23	NP	811.00	13.20	NP	811.03	15.73	NP	808.50	15.85	NP	808.38
ERT-3D	824.20		14.95	NP	809.25	14.62	NP	809.58	13.78	NP	810.42	16.72	16.71	807.47	16.20	NP	808.00
ERT-4S	823.54		13.32	NP	810.22	12.58	NP	810.96	12.85	NP	810.69	Dry	NP	--	Dry	NP	--
ERT-4J	823.49		14.23	NP	809.26	13.37	NP	810.12	13.42	NP	810.07	5.58	NP	817.91	15.70	NP	807.79
ERT-4D	823.63		14.55	NP	809.08	13.56	NP	810.07	13.63	NP	810.00	15.70	NP	807.93	15.90	NP	807.73
ERT-5	824.64	*	NM	NM	NM	12.34	NP	812.30	12.40	NP	812.24	15.28	NP	809.36	14.93	NP	809.71
ERT-6	824.74	*	14.25	NP	810.49	13.05	NP	811.69	13.15	13.14	811.59	16.03	NP	808.71	15.64	NP	809.10
ERT-7	823.96		15.38	NP	808.58	14.25	NP	809.71	14.55	NP	809.41	17.61	NP	806.35	16.80	NP	807.16
ERT-8	824.69		16.70	NP	807.99	15.13	NP	809.56	15.50	NP	809.19	18.57	NP	806.12	17.66	NP	807.03

Notes:
ftbgs - 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)	4/1/2015			7/13/2015			10/12/2015			3/28/2016			6/1/2016			
		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)	DTW (fbgs)	DTP (fbgs)	GW ELEV (famsl)	
4009-1	831.98	7.64	NP	824.34	6.89	NP	825.09	8.03	NP	823.95	7.41	NP	824.57	6.50	NP	825.48	
4009-2	827.78	19.22	NP	808.56	18.11	NP	809.67	20.64	NP	807.14	18.93	NP	808.85	19.48	NP	808.30	
4009-3	823.47	15.90	NP	807.57	14.87	NP	808.60	18.64	NP	804.83	16.3	NP	807.17	17.33	NP	806.14	
4009-4	822.22	12.22	NP	810.00	10.80	NP	811.42	14.43	NP	807.79	12.03	NP	810.19	12.84	NP	809.38	
4009-5	824.36	17.80	NP	806.56	16.77	NP	807.59	20.69	NP	803.67	18.65	NP	805.71	19.85	NP	804.51	
4009-6	827.73	20.48	NP	807.25	19.23	NP	808.50	22.41	NP	805.32	20.57	NP	807.16	21.47	NP	806.26	
4009-7	824.27	17.74	NP	806.53	16.53	NP	807.74	21.17	NP	803.10	18.35	NP	805.92	19.69	NP	804.58	
4009-8	824.52	18.26	NP	806.26	17.05	NP	807.47	22.03	NP	802.49	18.97	NP	805.55	20.46	NP	804.06	
4009-9	825.05	19.23	NP	805.82	18.02	NP	807.03	22.83	NP	802.22	19.84	NP	805.21	21.43	NP	803.62	
4009-10	831.31	25.48	NP	805.83	24.16	NP	807.15	28.84	NP	802.47	20.95	NP	810.36	27.44	NP	803.87	
4009-11	830.06	24.89	NP	805.17	24.72	NP	805.34	28.80	NP	801.26	26.25	NP	803.81	27.69	NP	802.37	
4009-11A	830.80	14.94	NP	815.86	14.77	NP	816.03	16.97	NP	813.83	16.05	NP	814.75	16.60	NP	814.20	
4009-12	823.34	17.45	NP	805.89	17.34	NP	806.00	21.56	NP	801.78	18.9	NP	804.44	20.26	NP	803.08	
4009-12A	823.80	17.91	NP	805.89	17.79	NP	806.01	22.03	NP	801.77	19.35	NP	804.45	20.70	NP	803.10	
4009-13	816.28	10.37	NP	805.91	10.09	NP	806.19	14.29	NP	801.99	11.68	NP	804.60	12.98	NP	803.30	
4009-13A	816.17	10.09	NP	806.08	9.38	NP	806.79	13.97	NP	802.20	11.12	NP	805.05	12.51	NP	803.66	
4009-14	820.71	14.80	NP	805.91	14.66	NP	806.05	18.73	NP	801.98	16.23	NP	804.48	17.47	NP	803.24	
4009-15	826.54	20.76	NP	805.78	20.85	NP	805.69	24.79	NP	801.75	22.21	NP	804.33	23.48	NP	803.06	
4009-16	826.72	20.93	NP	805.79	26.87	NP	799.85	25.01	NP	801.71	22.38	NP	804.34	23.62	NP	803.10	
4009-16A	826.84	20.94	NP	805.90	27.03	NP	799.81	25.18	NP	801.66	22.51	NP	804.33	23.49	NP	803.35	
4009-17	820.53	14.55	NP	805.98	14.25	NP	806.28	18.50	NP	802.03	15.86	NP	804.67	16.98	NP	803.55	
4009-18	834.78	26.51	NP	808.27	29.02	NP	805.76	33.04	NP	801.74	30.65	NP	804.13	31.59	NP	803.19	
4009-19	824.94	19.15	NP	805.79	19.19	NP	805.75	23.31	NP	801.63	20.99	NP	803.95	21.78	NP	803.16	
4009-20	822.90	17.04	NP	805.86	17.29	NP	805.61	21.29	NP	801.61	18.56	NP	804.34	19.55	NP	803.35	
4009-21	825.02	**	19.33	NP	805.69	19.41	NP	805.61	23.98	NP	801.04	22.03	NP	802.99	21.98	NP	803.04
4009-22	817.40	11.55	NP	805.85	9.90	NP	807.50	13.28	NP	804.12	11.42	NP	805.98	11.95	NP	805.45	
4009-23S	824.48	17.02	NP	807.46	14.17	NP	810.31	19.10	NP	805.38	16.71	NP	807.77	17.56	NP	806.92	
4009-23D	824.39	17.93	NP	806.46	16.90	NP	807.49	19.13	NP	805.26	18.64	NP	805.75	19.95	NP	804.44	
4009-24	822.32	16.19	NP	806.13	13.82	NP	808.50	NM	NM	NM	15.20	NP	807.12	16.35	NP	805.97	
4009-25S	823.61	14.81	NP	808.80	13.73	NP	809.88	16.72	NP	806.89	14.68	NP	808.93	15.35	NP	808.26	
4009-25D	823.57	14.75	NP	808.82	13.65	NP	809.92	16.70	NP	806.87	14.64	NP	808.93	15.32	NP	808.25	
4009-26	824.31	17.94	NP	806.37	16.75	NP	807.56	21.69	NP	802.62	18.68	NP	805.63	20.12	NP	804.19	
4009-27S	826.19	20.27	NP	805.92	19.56	NP	806.63	24.14	NP	802.05	21.30	NP	804.89	22.72	NP	803.47	
4009-27I	826.03	20.03	NP	806.00	19.58	NP	806.45	23.98	NP	802.05	21.23	NP	804.80	22.61	NP	803.42	
4009-27D	825.87	19.86	NP	806.01	19.41	NP	806.46	23.80	NP	802.07	21.05	NP	804.82	22.42	NP	803.45	
4009-28	821.59	15.80	NP	805.79	15.72	NP	805.87	19.85	NP	801.74	17.3	NP	804.29	18.58	NP	803.01	
4009-29S	825.77	19.80	NP	805.97	19.40	NP	806.37	23.83	NP	801.94	21.11	NP	804.66	22.43	NP	803.34	
4009-29I	825.68	19.89	NP	805.79	19.63	NP	806.05	23.91	NP	801.77	21.27	NP	804.41	22.55	NP	803.13	
4009-29D	825.67	19.86	NP	805.81	19.81	NP	805.86	23.89	NP	801.78	21.19	NP	804.48	22.55	NP	803.12	
4009-30	827.50	**	21.32	NP	806.18	20.81	NP	806.69	25.81	NP	801.69	22.38	NP	805.12	24.26	NP	803.24
4009-30A	826.69	**	20.82	NP	805.87	20.97	NP	805.72	25.12	NP	801.57	22.41	NP	804.28	23.55	NP	803.14
WELL 1-1	832.36	26.56	NP	805.80	26.46	NP	805.90	NM	NM	NM	NM	NM	NM	NM	NM	NM	
WELL 1-1A	831.13	24.21	NP	806.92	25.37	NP	805.76	29.42	NP	801.71	25.15	NP	805.98	28.35	NP	802.78	
ERT-1S	824.01	13.36	12.48	809.90	9.55	8.60	813.65	13.45	NP	810.56	12.73	12.10	810.74	12.68	12.10	810.84	
ERT-1J	824.03	13.83	NP	810.20	12.46	NP	811.57	15.93	NP	808.10	13.60	NP	810.43	14.35	NP	809.68	
ERT-1D	823.88	13.80	NP	810.08	10.80	10.72	813.01	15.97	NP	807.91	13.69	NP	810.19	14.49	NP	809.39	
ERT-2S	824.67	*	14.50	NP	810.17	13.11	NP	811.56	16.46	NP	808.21	14.25	NP	810.42	14.97	NP	809.70
ERT-2I	824.54	*	14.36	NP	810.18	13.08	NP	811.46	16.35	NP	808.19	14.15	NP	810.39	14.88	NP	809.66
ERT-2D	824.44	*	14.21	NP	810.23	12.80	NP	811.64	16.39	NP	808.05	11.78	NP	812.66	13.54	NP	810.90
ERT-3S	824.38	13.94	NP	810.44	11.21	NP	813.17	15.40	NP	808.98	13.39	NP	810.99	NM	NM	NM	
ERT-3I	824.23	14.53	NP	809.70	13.21	NP	811.02	16.57	NP	807.66	14.33	NP	809.90	NM	NM	NM	
ERT-3D	824.20	15.01	NP	809.19	13.75	NP	810.45	17.22	NP	806.98	15.13	NP	809.07	NM	NM	NM	
ERT-4S	823.54	13.18	NP	810.36	11.81	NP	811.73	Dry	NP	--	NM	NM	NM	Dry	NP	--	
ERT-4I	823.49	14.46	NP	809.03	13.31	13.30	810.17	16.38	NP	807.11	NM	NM	NM	14.99	NP	808.50	
ERT-4D	823.63	14.64	NP	808.99	13.51	13.49	810.10	16.57	NP	807.06	NM	NM	NM	15.19	NP	808.44	
ERT-5	824.64	*	13.68	NP	810.96	12.45	NP	812.19	15.81	NP	808.83	13.70	NP	810.94	14.56	NP	810.08
ERT-6	824.74	*	14.39	NP	810.35	13.13	NP	811.61	16.64	NP	808.10	14.47	NP	810.27	15.35	NP	809.39
ERT-7	823.96	15.68	NP	808.28	14.45	NP	809.51	18.00	NP	805.96	15.98	NP	807.98	17.00	NP	806.96	
ERT-8	824.69	16.56	NP	808.13	15.43	NP	809.26	18.96	NP	805.73	16.95	NP	807.74	17.95	NP	806.74	

Notes:
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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)	9/15/2016			
		DTW (ftbgs)	DTP (ftbgs)	GW ELEV (famsl)	
4009-1	831.98	8.56	NP	823.42	
4009-2	827.78	20.81	NP	806.97	
4009-3	823.47	19.43	NP	804.04	
4009-4	822.22	15.29	NP	806.93	
4009-5	824.36	21.92	NP	802.44	
4009-6	827.73	22.71	NP	805.02	
4009-7	824.27	21.92	NP	802.35	
4009-8	824.52	22.74	NP	801.78	
4009-9	825.05	23.19	NP	801.86	
4009-10	831.31	29.13	NP	802.18	
4009-11	830.06	21.10	NP	808.96	
4009-11A	830.80	20.63	NP	810.17	
4009-12	823.34	22.51	NP	800.83	
4009-12A	823.80	22.95	NP	800.85	
4009-13	816.28	15.23	NP	801.05	
4009-13A	816.17	14.73	NP	801.44	
4009-14	820.71	9.71	NP	811.00	
4009-15	826.54	25.79	NP	800.75	
4009-16	826.72	26.08	NP	800.64	
4009-16A	826.84	26.49	NP	800.35	
4009-17	820.53	19.59	NP	800.94	
4009-18	834.78	34.24	NP	800.54	
4009-19	824.94	24.76	NP	800.18	
4009-20	822.90	22.68	NP	800.22	
4009-21	825.02	**	24.96	NP	800.06
4009-22	817.40	13.85	NP	803.55	
4009-23S	824.48	20.12	NP	804.36	
4009-23D	824.39	22.10	NP	802.29	
4009-24	822.32	18.51	NP	803.81	
4009-25S	823.61	17.18	NP	806.43	
4009-25D	823.57	17.16	NP	806.41	
4009-26	824.31	22.39	NP	801.92	
4009-27S	826.19	24.96	NP	801.23	
4009-27I	826.03	24.83	NP	801.20	
4009-27D	825.87	24.65	NP	801.22	
4009-28	821.59	20.79	NP	800.80	
4009-29S	825.77	24.71	NP	801.06	
4009-29I	825.68	24.79	NP	800.89	
4009-29D	825.67	24.79	NP	800.88	
4009-30	827.50	**	26.6	NP	800.90
4009-30A	826.69	**	26.32	NP	800.37
WELL 1-1	832.36	NM	NM	NM	
WELL 1-1A	831.13	30.39	NP	800.74	
ERT-1S	824.01	15.29	13.86	807.50	
ERT-1J	824.03	16.72	NP	807.31	
ERT-1D	823.88	16.91	NP	806.97	
ERT-2S	824.67	*	17.11	NP	807.56
ERT-2I	824.54	*	17.03	NP	807.51
ERT-2D	824.44	*	14.74	NP	809.70
ERT-3S	824.38	Dry	NP	--	
ERT-3I	824.23	17.17	NP	807.06	
ERT-3D	824.20	18.16	NP	806.04	
ERT-4S	823.54	Dry	NP	--	
ERT-4I	823.49	16.89	NP	806.60	
ERT-4D	823.63	17.07	NP	806.56	
ERT-5	824.64	*	16.69	NP	807.95
ERT-6	824.74	*	17.47	NP	807.27
ERT-7	823.96	18.98	NP	804.98	
ERT-8	824.69	19.96	NP	804.73	

Notes:
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* - 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	4009-1 2/20/2014 Shallow	4009-1 5/28/2014 Shallow	4009-1 8/28/2014 Shallow	4009-1 12/9/2014 Shallow	4009-2 2/20/2014 Shallow	4009-2 5/28/2014 Shallow	4009-2 8/28/2014 Shallow	4009-2 12/9/2014 Shallow	4009-3 2/20/2014 Shallow	4009-3 5/28/2014 Shallow	4009-3 8/28/2014 Shallow	4009-3 12/9/2014 Shallow	4009-4 2/20/2014 Intermediate	4009-4 5/28/2014 Intermediate	4009-4 8/28/2014 Intermediate	4009-4 12/9/2014 Intermediate	4009-5 2/20/2014 Intermediate	4009-5 5/28/2014 Intermediate	4009-5 8/28/2014 Intermediate	4009-5 12/9/2014 Intermediate
Sampling Date	Standard	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	ug/L	ug/L	ug/L
Groundwater Monitoring Zone	Units																				
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	1.0 U	1.0 UJ	1.0 U	1.1	1.3	0.9 J	1.5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
1,1-Dichloroethane	5	1.0 U	0.5 J	1.0 UJ	0.37 J	2.7	2.3	2.6 J	3.4	6.3	6.6	7.5 J	4.8	1.0 U	0.4 J	1.0 UJ	1.0 U	2.7	3.0 J	1.3 J	1.7 J
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.3	1.1	1.1 J	0.87 J	1.0 U	1.0 U	1.0 UJ	1.0 U	2.2	1.8 J	1.0 UJ	2.5 U
1,2,3-Trimethylbenzene		1.0 U	1.0 U	1.0 UJ	5.0 U	1.0 U	1.0 U	1.0 UJ	5.0 U	1.0 U	1.0 U	1.0 UJ	5.0 U	1.0 U	1.0 U	1.0 UJ	5.0 U	1.0 U	5.0 U	1.0 UJ	13 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
1,2,4-Trimethylbenzne	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	5.0 U	1.0 UJ	5.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
2-Butanone (MEK)	50	1.3 J	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	1.5 J	10 U	10 UJ	10 U	10 U	50 U	10 UJ	25 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	25 U	5.0 UJ	25 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	25 U	5.0 UJ	25 U
Acetone	50*	10	4.2 J	12 J	10 U	7.2 J	3.5 J	9.9 J	10 U	10	4.6 J	12 J	10 U	12	3.4 J	8.0 J	10 U	11	50 U	11 J	25 U
Benzene	1	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	3.2	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	3.6 J	1.0 U	1.0 U	5.0 U	1.7 J	0.62 J
Bromodichloromethane	50	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Bromofom	50*	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Bromomethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Carbon disulfide		1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Chloroethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Chloroform	7	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Chloromethane		1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
cis-1,2-Dichloroethene	5	1.6	2.0	2.2 J	2.4	14	12	9.0 J	6.9	77	65	63 J	48	1.0 U	79	1.3 J	0.45 J	250 D	280	170 J	170
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Cyclohexane		1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	5.0 U	1.0 UJ	2.5 U*
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Isopropylbenzene (Cumene)	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Methyl Acetate		2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	2.5 U	2.5 UJ	10.0 U	2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	13 U	2.5 UJ	25 U
Methyl Cyclohexane		1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Methylene Chloride	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	4.6 J	1.0 UJ	2.5 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Styrene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Tetrachloroethene	5	1.4	0.4 J	1.7 J	0.84 J*	1.0 U	1.0 U	1.0 UJ	0.51 J*	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	5.0 U	1.0 UJ	2.5 U*
Toluene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	0.6 J	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	0.46 J	1.0 U	1.0 U	1.0 UJ	0.45 J	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0	5.0 U	1.0 UJ	0.69 J
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	5.0 U	1.0 UJ	2.5 U*
Trichloroethene	5	1.4	1.1	1.7 J	1.5	2.9	2.7	2.3 J	2.5	26	15	12 J	11	1.0 U	1.5	1.0 UJ	1.0 U	21	19	12 J	14
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ	2.5 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 UJ	1.0 U	6.9	1.3	5.1 J	6.5	11	13	33 J	16	1.0 U	1.0 U	1.0 UJ	1.0 U	39	41	14 J	31
Xylenes, Total		2.0 U	2 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	10 U	2.0 UJ	5.0 U
Total VOCs		15.7	8.15	17.6	5.11	34.8	26.3	29.8	21.8	132	105	130	81.1	13.5	84.3	13.5	0.45	327	349	210	218
Total VOCs (w/o Acteone or Methylene Chloride)		5.70	3.95	5.60	5.11	27.6	22.8	19.9	21.8	122	101	118	81.1	1.50	80.9	5.50	0.45	316	345	199	218

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
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
^ - This is a duplicate sample from 4009-12
^ - This is a duplicate sample from 4009-291

Sample ID Sampling Date Groundwater Monitoring Zone Units	NYSDEC GA Standard ug/L	4009-6 2/20/2014 Shallow ug/L	4009-6 5/28/2014 Shallow ug/L	4009-6 8/28/2014 Shallow ug/L	4009-6 12/9/2014 Shallow ug/L	4009-7 2/20/2014 Shallow ug/L	4009-7 5/28/2014 Shallow ug/L	4009-7 8/28/2014 Shallow ug/L	4009-7 12/9/2014 Shallow ug/L	4009-8 2/20/2014 Intermediate ug/L	4009-8 5/28/2014 Intermediate ug/L	4009-8 8/28/2014 Intermediate ug/L	4009-8 12/9/2014 Intermediate ug/L	4009-9 2/20/2014 Shallow ug/L	4009-9 5/28/2014 Shallow ug/L	4009-9 8/28/2014 Shallow ug/L	4009-9 12/9/2014 Shallow ug/L	4009-9 4/20/2015 Shallow ug/L	4009-9 7/29/2015 Shallow ug/L
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	790 D	1000	2900 DJ	1500	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	14	13 J	20 UDJ	17 J	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	0.5 J	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 J	0.48 J	1.0 UJ	3.3 U	40	62	72 DJ	58	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	0.29 J	1.0 UJ	3.3 U	31	120	94 DJ	120	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,2,3-Trimethylbenzene		1.0 U	1.0 U	1.0 UJ	5.0 U	1.0 U	1.0 U	1.0 UJ	17 U	1.0 U	20 U	20 UDJ	130 U	1.0 U	1.0 U	1.0 UJ	5.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzne	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 UJ	6.7 U	1.0 U	20 U	20 UDJ	50 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U
1,2-Dibromomethane (Ethylene Dibromide)	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	10 U	10 U	10 UJ	10 U	10 U	1.4 J	10 UJ	33 U	10 U	200 U	200 UDJ	250 U	1.4 J	10 U	10 UJ	10 U	10 U	10.0 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 UJ	33 U	5.0 U	100 U	100 UDJ	250 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 UJ	33 U	5.0 U	100 U	100 UDJ	250 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U
Acetone	50*	8.5 J	10 U	9.8 J	10 U	5.3 J	7.1 J	14 J	33 U	9.6 J	200 U	200 UDJ	250 U	12	3.3 J	11 J	10 U	7.1 J	10.0 U
Benzene	1	1.0 U	1.0 U	1.0 UJ	1.0 U	1.1	1.0 U	0.41 J	3.3 U	0.67 J	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.3 J	1.3	1.0 U	3.4
Bromodichloromethane	50	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromoform	50*	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U*	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromomethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Carbon disulfide		1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	0.3 J	1.0 UJ	3.3 U	2.2	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Chloroform	7	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	0.6 J	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Chloromethane		1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 UJ	0.24 J	20	46	36 J	38	440 D	310	550 DJ	490	6.3	4.0	13 J	7.0	1.9	15
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Cyclohexane		1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 UJ	3.3 U*	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Isopropylbenzne (Cumene)	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Methyl Acetate		2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	2.5 U	2.5 UJ	33 U	2.5 U	50 U	50 UDJ	250 U	2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	2.5 U
Methyl Cyclohexane		1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	9.1 DJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Methyl Tert Butyl Ether	10	0.3 J	0.27 J	1.0 UJ	0.23 J	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Styrene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 UJ	3.3 U*	1.3	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1.1	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 UJ	3.3 U*	1.0 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U
Trichloroethene	5	0.5 J	0.61 J	1.0 UJ	0.37 J	2.1	4.1	3.3 J	2.7 J	19	20 U	20 UDJ	7.1 J	0.5 J	0.66 J	0.67 J	0.80 J	0.52 J	0.59 J
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	3.3 U	1 U	20 U	20 UDJ	25 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 UJ	1.0 U	2.5	3.1	3.1 J	3.0 J	44	140	92 DJ	44	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Xylenes, Total		2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	6.7 U	2.0 U	40 U	40 UDJ	50 U	1.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U
Total VOCs		9.29	0.88	9.80	0.84	32.0	62.8	56.8	43.7	1394	1645	3717	2236	20.2	7.96	26.0	9.10	9.52	18.99
Total VOCs (w/o Acteone or Methylene Chloride)		0.79	0.88	0.0	0.84	26.7	55.7	42.8	43.7	1384	1645	3717	2236	8.24	4.66	15.0	9.10	2.42	18.99

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
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
^1-This is a duplicate sample from 4009-12
^2-This is a duplicate sample from 4009-291

Sample ID Sampling Date Groundwater Monitoring Zone Units	NYSDEC GA Standard ug/L	4009-9 11/4/2015 Shallow ug/L	4009-9 3/28/2016 Shallow ug/L	4009-9 6/30/2016 Shallow ug/L	4009-9 9/29/2016 Shallow ug/L	4009-10 2/20/2014 Shallow ug/L	4009-10 5/28/2014 Shallow ug/L	4009-10 8/28/2014 Shallow ug/L	4009-10 12/9/2014 Shallow ug/L	4009-10 4/20/2015 Shallow ug/L	4009-10 7/29/2015 Shallow ug/L	4009-10 11/4/2015 Shallow ug/L	4009-10 3/28/2016 Shallow ug/L	4009-10 6/30/2016 Shallow ug/L	4009-10 9/29/2016 Shallow ug/L	4009-11 2/20/2014 Deep ug/L	4009-11 5/28/2014 Deep ug/L	4009-11 8/28/2014 Deep ug/L	4009-11 12/9/2014 Deep ug/L	4009-11 4/20/2015 Deep ug/L
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	0.32 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.9 J	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,1-Dichloroethane	5	0.38 J	1.0 U	0.39 J	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2,3-Trimethylbenzene		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	5.0 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2,4-Trimethylbenzne	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U
1,2-Dibromomethane (Ethylene Dibromide)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
2-Butanone (MEK)	50	10.0 U	10.0 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U
Acetone	50*	10.0 U	3.5 J	10 U	10 U	10 U	3.2 J	7.5 J	10 U	9.2 J	10 U	10 U	10 U	10 U	10 U	7.8 J	4.6 J	10 UJ	10 U	6.7 J
Benzene	1	2.5	1.0 U	1.0 U	3.7	0.6 J	0.53 J	2.3 J	26	1.0 U	1.8	0.97 J	1.0 U	1.9	0.65 J	1.0 U	1.0 U	1.0 UJ	7.8	5.6
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Bromofom	50*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Carbon disulfide		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chloromethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	21	4.0	21	22	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Isopropylbenzene (Cumene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Methyl Acetate		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	10 U	2.5 U
Methyl Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Methylene Chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0	1.0
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U
Trichloroethene	5	0.52 J	0.74 J	0.65 J	0.57 J	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Xylenes, Total		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
Total VOCs		24.4	8.24	22.04	26.3	12.6	3.73	9.80	26.3	9.20	1.80	0.97	0.0	1.9	0.65	7.80	4.60	1.90	8.80	13.3
Total VOCs (w/o Acteone or Methylene Chloride)		24.4	4.74	22.04	26.3	2.60	0.53	2.30	26.3	0.0	1.80	0.97	0.0	1.9	0.65	0.0	0.0	1.90	8.80	6.60

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
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
^ - This is a duplicate sample from 4009-12
^ - This is a duplicate sample from 4009-29I

Sample ID Sampling Date Groundwater Monitoring Zone Units	NYSDEC GA Standard ug/L	4009-11 7/29/2015 Deep ug/L	4009-11 11/4/2015 Deep ug/L	4009-11 3/28/2016 Deep ug/L	4009-11 6/30/2016 Deep ug/L	4009-11 9/29/2016 Deep ug/L	4009-11A 2/20/2014 shallow ug/L	4009-11A 5/28/2014 shallow ug/L	4009-11A 8/28/2014 shallow ug/L	4009-11A 12/9/2014 shallow ug/L	4009-11A 4/20/2015 shallow ug/L	4009-11A 7/29/2015 shallow ug/L	4009-11A 11/4/2015 shallow ug/L	4009-11A 3/28/2016 shallow ug/L	4009-11A 6/30/2016 shallow ug/L	4009-11A 9/29/2016 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
1,1,1-Trichloroethane	5	1.0 U	79	1.0 U	57	87	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	32	43	1.0 U	290
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	1.0 U	1.0 U	1.0 U	0.74 J	1.2	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
1,1-Dichloroethane	5	1.0 U	20	0.76 J	13	21	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0	6.5	1.0 U	29
1,1-Dichloroethene	5	1.0 U	8.7	1.0 U	3.4	5.4	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.4	6.1	1.0 U	30
1,2,3-Trimethylbenzene		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	110 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
1,2,4-Trimethylbenzne	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	44 U
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	220 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	220 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	220 U
Acetone	50*	10 U	10 U	4.4 J	10 U	10 U	9.8 J	4.1 J	10 J	10 U	7.6 J	10 U	10 U	4.6 J	3.5 J	10 U	5.8 J	3.8 J	7.0 J	220 U
Benzene	1	8.4	1.0 U	18	1.0 U	1.3	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.5	1.6	22 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Bromoform	50*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U*
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Carbon disulfide		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Chloroethane	5	1.0 U	1.5	1.5	1.2	1.8	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Chloromethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
cis-1,2-Dichloroethene	5	1.0 U	12	1.0 U	8.8	15	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	13	9.5	8.5	63
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Isopropylbenzne (Cumene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Methyl Acetate		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	220 U
Methyl Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Methylene Chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Toluene	5	1.0	1.0 U	0.79 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.8 J	0.74 J	22 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	17	18	1.0 U	64
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	22 U
Vinyl chloride	2	1.0 U	19	1.0 U	14	17	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	6.1	3.7	0.9 J	30
Xylenes, Total		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	44 U
Total VOCs		9.40	140	25.45	98.14	150	9.80	4.10	10.0	0.0	7.60	0.0	0.0	4.60	3.50	0.0	81.3	93.9	18.7	506
Total VOCs (w/o Acteone or Methylene Chloride)		9.40	140	21.05	98.14	150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.5	90.1	11.7	506

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
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
^ - This is a duplicate sample from 4009-12
^ - This is a duplicate sample from 4009-29I

Sample ID	NYSDEC GA	4009-12 4/20/2015	4009-12 7/29/2015	4009-12 11/4/2015	4009-12 3/28/2016	4009-12 6/30/2016	4009-12 9/29/2016	DUP-01 ¹ 9/29/2016	4009-12A 2/20/2014	4009-12A 5/28/2014	4009-12A 8/28/2014	4009-12A 12/9/2014	4009-13 2/20/2014	4009-13 5/28/2014	4009-13 8/28/2014	4009-13 12/9/2014	4009-13 4/20/2015	4009-13 7/29/2015	4009-13 11/4/2015	4009-13 3/28/2016
Sampling Date	Standard	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep
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	ug/L	ug/L	ug/L
Units																				
1,1,1-Trichloroethane	5	1.0 U	180	67	1.0 U	1.0 U	1.0 U	1.0 U	34	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	1.8	25	29	3.1	2.9	2.4	2.5	4.3	7.8	4.3	2.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	20	8.5	1.0 U	1.0 U	1.0 U	1.0 U	3.8	1.3	0.6 J	0.53 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trimethylbenzene		1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzne	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50*	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)		5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	7.1 J	50 U	10 U	10 U	10 U	10 U	10 U	9.9 J	3.9 J	10 U	10 U	8.4 J	3.8 J	10 U	10 U	8.9 J	10 U	10 U	10 U
Benzene	1	2.7	2.9 J	2.4	6.7	7.5	8.7	9.2	1.0 U	1.0 U	0.57 J	0.31 J	1.0 U	0.42 J	4.8 J	1.0	0.96 J	1.7	3.2	3.2
Bromodichloromethane	50	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromofom	50*	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide		1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	1.0 U	5.0 U	0.83 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	7.5	7.0	4.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane		1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	4.1	41	18	1.5	1.1	1.0	1.2	15	18	15	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane		1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzne (Cumene)	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate		2.5 U	13 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Cyclohexane		1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	1.0 U	5.0 U	1.0 U	0.50 JB	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Tert Butyl Ether	10	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.55 J	0.53 J	1.0 U	1.0 U	3.7	2.7 J	0.55 J	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	1.0 U	39	11	0.77 J	0.81 J	0.55 J	0.61 J	19	2.2	1.0	0.30 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	2.3	51	41	1.7	1.4	1.1	1.1	6.4	1.0 U	1.7	6.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total		2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		18.0	359	178	14.27	13.71	13.8	14.6	92.4	41.3	30.7	28.5	8.40	7.92	7.50	1.55	9.90	1.70	3.20	3.20
Total VOCs (w/o Acteone or Methylene Chloride)		10.9	359	178	13.77	13.71	13.8	14.6	82.5	37.4	30.7	28.5	0.0	4.12	7.50	1.55	1.00	1.70	3.20	3.20

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
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
¹-This is a duplicate sample from 4009-12
²-This is a duplicate sample from 4009-291

Sample ID	NYSDEC GA	4009-13 6/30/2016 Deep ug/L	4009-13 9/29/2016 Deep ug/L	4009-13A 2/20/2014 Shallow ug/L	4009-13A 5/28/2014 Shallow ug/L	4009-13A 8/28/2014 Shallow ug/L	4009-13A 12/9/2014 Shallow ug/L	4009-13A 4/20/2015 Shallow ug/L	4009-13A 7/29/2015 Shallow ug/L	4009-13A 11/4/2015 Shallow ug/L	4009-13A 3/28/2016 Shallow ug/L	4009-13A 6/30/2016 Shallow ug/L	4009-13A 9/29/2016 Shallow ug/L	4009-14 2/20/2014 Deep ug/L	4009-14 5/28/2014 Deep ug/L	4009-14 8/28/2014 Deep ug/L	4009-14 12/9/2014 Deep ug/L	4009-14 4/20/2015 Deep ug/L	4009-14 7/29/2015 Deep ug/L	4009-14 11/4/2015 Deep ug/L
Groundwater Monitoring Zone	Standard	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Deep	Deep	Deep	Deep	Deep	Deep	Deep
Units	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	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trimethylbenzene		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzne	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromomethane (Ethylene Dibromide)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U
Acetone	50*	3.5 J	10 U	8.4 J	10 U	11 J	10 U	6.8 J	10 U	10 U	10 U	10 U	10 U	6.3 J	4.3 J	11	10 U	7.1 J	10 U	3.1 J
Benzene	1	2.4	1.9	1.0 U	0.58 J	1.0 UJ	0.96 J	1.0 U	1.0 U	0.44 J	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.54 J	1.2	4.0	12
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide		1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzne (Cumene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate		2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U
Methyl Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.91 J	1.0	0.92 J	1.0	1.2	1.2
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U	1.0 U
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total		2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		5.90	1.90	8.40	0.58	11.0	0.96	6.80	0.0	0.44	1.20	0.0	0.0	6.30	5.21	12.0	1.46	9.30	5.20	16.3
Total VOCs (w/o Acteone or Methylene Chloride)		2.40	1.90	0.0	0.58	0.0	0.96	0.0	0.0	0.44	1.20	0.0	0.0	0.0	0.91	1.00	1.46	2.20	5.20	13.2

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
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
^ - This is a duplicate sample from 4009-12
^ - This is a duplicate sample from 4009-291

Sample ID	NYSDEC GA	4009-14 3/28/2016	4009-14 6/30/2016	4009-14 9/29/2016	4009-15 2/20/2014	4009-15 5/28/2014	4009-15 8/28/2014	4009-15 12/9/2014	4009-15 4/20/2015	4009-15 7/29/2015	4009-15 11/4/2015	4009-15 3/28/2016	4009-15 6/30/2016	4009-15 9/29/2016	4009-16 2/20/2014	4009-16 5/28/2014	4009-16 8/28/2014	4009-16 12/9/2014	4009-16 4/20/2015	4009-16 7/29/2015
Sampling Date	Standard	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep
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	ug/L	ug/L	ug/L
Units																				
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	0.5 J	0.53 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trimethylbenzene		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzne	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U
1,2-Dibromomethane (Ethylene Dibromide)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	1.3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U
Acetone	50*	10 U	4.1 J	10 U	7.5 J	5.1 J	7.2 J	10 U	5.8 J	10 U	4.9 J	5.1 J	9.1 J	4.3 J	5.9 J	3.5 J	7.1 J	10 U	6.0 J	10 U
Benzene	1	18	14	15	1.0 U	1.0 U	0.5 J	0.86 J	1.8	9.1	8.0	9.1	8.5	7.8	1.0 U	1.0 U	8.2	0.39 J	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromofom	50*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzne (Cumene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U
Methyl Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U
Toluene	5	0.78 J	1.0 U	0.55 J	1.0 U	0.56 J	0.61 J	0.72 J	0.77 J	1.0	0.84 J	0.57 J	1.0 U	0.61 J	1.0 U	1.0 U	1.5	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		18.78	18.1	15.6	8.02	7.49	8.31	1.58	8.37	10.1	13.74	14.77	17.6	12.7	5.90	3.50	16.8	0.39	6.00	0.0
Total VOCs (w/o Acteone or Methylene Chloride)		18.78	14.0	15.6	0.52	2.39	1.11	1.58	2.57	10.1	8.84	9.67	8.50	8.41	0.0	0.0	9.70	0.39	0.0	0.0

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
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
^ - This is a duplicate sample from 4009-12
^ - This is a duplicate sample from 4009-291

Sample ID	NYSDEC GA	4009-16 11/4/2015 Deep ug/L	4009-16 3/28/2016 Deep ug/L	4009-16 6/30/2016 Deep ug/L	4009-16 9/29/2016 Deep ug/L	4009-16A 2/20/2014 Shallow ug/L	4009-16A 5/28/2014 Shallow ug/L	4009-16A 8/28/2014 Shallow ug/L	4009-16A 12/9/2014 Shallow ug/L	4009-16A 4/20/2015 Shallow ug/L	4009-16A 7/29/2015 Shallow ug/L	4009-16A 11/4/2015 Shallow ug/L	4009-16A 3/28/2016 Shallow ug/L	4009-16A 6/30/2016 Shallow ug/L	4009-16A 9/29/2016 Shallow ug/L	4009-18 5/6/2015 Deep ug/L	4009-18 7/29/2015 Deep ug/L	4009-18 11/4/2015 Deep ug/L	4009-18 3/28/2016 Deep ug/L	4009-18 6/30/2016 Deep ug/L	4009-18 9/29/2016 Deep ug/L
Groundwater Monitoring Zone	Standard	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Deep	Deep	Deep	Deep	Deep	Deep
Units	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	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.96 J	1.0	1.0 U	1.0 U	0.83 J	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trimethylbenzene		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzne	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromomethane (Ethylene Dibromide)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	1.6 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3.3 J	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	10.0 U	10.0 U	4.5 J	10.0 U	12	4.0 J	7.6 J	10 U	6.4 J	10 U	10 U	10 U	10 U	10 U	10	10 U	10 U	10 U	10 U	10 U
Benzene	1	1.0 U	1.0 U	8.4	8.0	1.0 U	1.9	7.2	8.0	5.7	11	3.0	4.2	0.49 J	1.4	1.0 U	1.0 U	1.0 U	0.41 J	1.0 U	0.47 J
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromofom	50*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzne (Cumene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.58 J	1.0 U	1.0 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	0.69 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		0.0	0.0	12.9	8.69	13.6	5.90	14.8	8.00	12.1	11.0	3.00	4.20	0.49	1.40	14.16	1.00	0.0	0.99	0.83	0.47
Total VOCs (w/o Acteone or Methylene Chloride)		0.0	0.0	8.4	8.69	1.60	1.90	7.20	8.00	5.70	11.0	3.00	4.20	0.49	1.40	4.16	1.00	0.0	0.41	0.83	0.47

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
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
^ - This is a duplicate sample from 4009-12
^ - This is a duplicate sample from 4009-291

Sample ID	NYSDEC GA	4009-19 4/20/2015	4009-19 7/29/2015	4009-19 11/4/2015	4009-19 3/28/2016	4009-19 6/30/2016	4009-19 9/29/2016	4009-21 4/20/2015	4009-21 7/29/2015	4009-21 11/4/2015	4009-21 3/28/2016	4009-21 6/30/2016	4009-21 9/29/2016	4009-22 12/3/2013	4009-22 2/20/2014	4009-22 5/28/2014	4009-22 8/28/2014	4009-22 12/9/2014	4009-22 4/20/2015
Sampling Date	Standard	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep
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	ug/L	ug/L
Units																			
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trimethylbenzene		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U	1.0 U	1.0 U	5.0 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzne	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U
Acetone	50*	8.5 J	10 U	10 U	10 U	10 U	10 U	7.9 J	10 U	10 U	10 U	10 U	10 U	3.1 J	12	10 U	11	10 U	6.5 J
Benzene	1	2.7	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11	31	21	21	0.7 J	0.7 J	0.92 J	0.98 J	0.82 J	1.2
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U
Methyl Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.64 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.7 J	0.6 J	1.1	0.83 J	0.64 J	0.93 J
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U*	1.0 U
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		11.2	1.00	0.0	0.0	0.0	0.0	7.90	0.0	11.0	31.64	21.0	21.0	4.44	13.2	2.02	12.8	1.46	8.63
Total VOCs (w/o Acteone or Methylene Chloride)		2.70	1.00	0.0	0.0	0.0	0.0	0.0	0.0	11.0	31.0	21.0	21.0	1.34	1.24	2.02	1.81	1.46	2.13

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
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
^ - This is a duplicate sample from 4009-12
^ - This is a duplicate sample from 4009-291

Sample ID	NYSDEC GA	4009-22 7/29/2015 Deep	4009-22 11/4/2015 Deep	4009-22 3/28/2016 Deep	4009-22 6/30/2016 Deep	4009-22 9/29/2016 Deep	4009-23S 2/20/2014 Shallow	4009-23S 5/28/2014 Shallow	4009-23S 8/28/2014 Shallow	4009-23S 12/9/2014 Shallow	4009-23D 2/20/2014 Intermediate	4009-23D 5/28/2014 Intermediate	4009-23D 8/28/2014 Intermediate	4009-23D 12/9/2014 Intermediate	4009-24 2/20/2014 Shallow	4009-24 5/28/2014 Shallow	4009-24 8/28/2014 Shallow	4009-24 12/9/2014 Shallow	4009-25S 2/20/2014 Shallow	4009-25S 5/28/2014 Shallow	
Groundwater Monitoring Zone	Standard	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate	Intermediate	Intermediate	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	
Units	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	ug/L	ug/L	ug/L	
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	130 D	720	140 DJ	570	1.0 U	1.0 U	1.0 UJ	1.0 U	2600 D	3300	
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	24	18	12 J	8.2	1.0 U	1.0 U	1.0 UJ	1.0 U	31	40 U	
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.2	4.4	2.5 J	2.2	250 D	420	220 DJ	280	1.0 U	1.0 U	1.0 UJ	1.0 U	87	140
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	31	78	23 J	40	1.0 U	1.0 U	1.0 UJ	1.0 U	110 D	410	
1,2,3-Trimethylbenzene		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.8	0.38 J	0.44 J	5.0 U	10 UD	10 U	1.0 UJ	33 U	1.0 U	1.0 U	1.0 UJ	5.0 U	40 UD	40 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
1,2,4-Trimethylbenzne	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	8.6	2.0	4.2 J	1.0 U	10 UD	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	40 UD	40 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	10 U	1.0 UJ	13 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	40 U	
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	0.4 J	10 U	0.39 J	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.4	1.2	4.0 J	1.0 U	10 UD	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	40 UD	40 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	100 U	10 UJ	67 U	1.4 J	10 U	10 UJ	10 U	10 U	400 U	
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	50 U	5.0 UJ	67 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	200 U	
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	50 U	5.0 UJ	67 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	200 U	
Acetone	50*	10.0 U	10.0 U	10.0 U	4.0 J	10.0 U	6.1 J	10 U	7.2 J	10 U	8.3 J	100 U	9.8 J	67 U	9.3 J	4.2 J	10 UJ	10 U	10 U	400 U	
Benzene	1	1.1	1.2	1.6	1.3	1.3	1.8	1.8	1.8 J	1.1	1.0 U	10 U	0.62 J	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Bromoform	50*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U*	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Carbon disulfide		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.2 J	0.64 J	11	11	8.2 J	2.8 J	1.0 U	1.0 U	1.0 UJ	1.0 U	40 U	
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	0.44 J	0.48 J	1.0 U	40 U	
Chloromethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2	2.2	1.9 J	2.9	580 D	450	460 DJ	330	1.0 U	1.0 U	2.2 J	1.0 U	180 D	210
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.8 J	0.61 J	0.85 J	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.83 J	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Isopropylbenzene (Cumene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.3	3.6	5.8 J	2.2	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Methyl Acetate		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	25 U	2.5 UJ	67 U	2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	100 U	
Methyl Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.7 J	0.5 J	1.0 UJ	1.0 U	0.3 J	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Methylene Chloride	5	1.0 U	1.0 U	0.46 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Toluene	5	1.1	0.81 J	0.92 J	1.0 U	0.90 J	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.4	2.8	1.8 J	1.8	2.3	10 U	1.3 J	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	2.9	40 U	
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U*	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.6	1.6	1.3 J	1.8	8.7	8.3 J	6.1 J	4.9 J	1.0 U	1.0 U	1.0 UJ	1.0 U	32	40 U	
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 U	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.9 J	1.1	1.1 J	0.80 J	630 D	440	530 DJ	340	1.0 U	1.0 U	1.0 UJ	1.0 U	3.7	40 U	
Xylenes, Total		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	20 U	2.0 UJ	13 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	80 U	
Total VOCs		2.20	2.01	2.98	5.30	2.20	39														

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
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
^ - This is a duplicate sample from 4009-12
^ - This is a duplicate sample from 4009-291

Sample ID Sampling Date Groundwater Monitoring Zone Units	NYSDEC GA Standard ug/L	4009-25S 8/28/2014 Shallow ug/L	4009-25S 12/9/2014 Shallow ug/L	4009-25D 2/20/2014 Shallow ug/L	4009-25D 5/28/2014 Shallow ug/L	4009-25D 8/28/2014 Shallow ug/L	4009-25D 12/9/2014 Shallow ug/L	4009-26 2/20/2014 Intermediate ug/L	4009-26 5/28/2014 Intermediate ug/L	4009-26 8/28/2014 Intermediate ug/L	4009-26 12/9/2014 Intermediate ug/L	4009-27S 2/20/2014 Intermediate ug/L	4009-27S 5/28/2014 Intermediate ug/L	4009-27S 8/28/2014 Intermediate ug/L	4009-27S 12/9/2014 Intermediate ug/L	4009-27S 4/20/2015 Intermediate ug/L	4009-27S 7/29/2015 Intermediate ug/L	4009-27S 11/4/2015 Intermediate ug/L	4009-27S 3/28/2016 Intermediate ug/L	4009-27S 6/30/2016 Intermediate ug/L	4009-27S 9/29/2016 Intermediate ug/L
1,1,1-Trichloroethane	5	9900 DJ	3800	1900 D	3300	820 DJ	1900	98	370	150 DJ	92	54	61	65 J	49	61	62	61	58	54	54
1,1,2,2-Tetrachloroethane	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		40 UDJ	32 J	32	22 J	19 DJ	25 J	7.7	13	6.0 DJ	7.7	2.8	3.4	2.3 J	2.6	3.3	3.5	2.9	2.7	2.4	
1,1,2-Trichloroethane	1	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	120 DJ	99	74	120	53 DJ	50	27	39	16 DJ	14	1.9	2.2	2.2 J	1.9 J	2.6	2.7	2.4	2.4	2.1	2.0
1,1-Dichloroethene	5	650 DJ	280	120 D	330	57 DJ	190	6.0	46	9.9 DJ	7.8	5.7	8.9	5.6 J	4.6	6.2	10	7.0	4.5	5.0	4.9
1,2,3-Trimethylbenzene		40 UDJ	250 U	20 UD	20 U	20 UDJ	170 U	2.0 UD	8.0 U	2.0 UDJ	10 U	1.0 U	1.0 U	1.0 UJ	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2 U	1.0 U	1.0 U	1.0 UJ	2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzne	5	40 UDJ	50 U	20 UD	20 U	20 UDJ	33 U	2.0 UD	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	40 UDJ	100 U	1.0 U	20 U	20 UDJ	67 U	1.0 U	8.0 U	2.0 UDJ	4.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	0.9 J	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	40 UDJ	50 U	20 UD	20 U	20 UDJ	33 U	2.0 UD	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	400 UDJ	500 U	10 U	200 U	200 UDJ	330 U	10 U	80 U	20 UDJ	20 U	10 U	10 U	10 UJ	20 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50*	200 UDJ	500 U	5.0 U	100 U	100 UDJ	330 U	5.0 U	40 U	10 UDJ	20 U	5.0 U	5.0 U	5.0 UJ	20 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)		200 UDJ	500 U	5.0 U	100 U	100 UDJ	330 U	5.0 U	40 U	10 UDJ	20 U	5.0 U	5.0 U	5.0 UJ	20 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	400 UDJ	500 U	6.0 J	200 U	200 UDJ	330 U	10	80 U	20 UDJ	20 U	9.9 J	3.8 J	8.1 UJ	20 U	8.1 J	10 U	10 U	10 U	10 U	10 U
Benzene	1	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	0.81 J	8.0 U	2.0 UDJ	0.55 J	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromofom	50*	40 UDJ	50 U*	1.0 U	20 U	20 UDJ	33 U*	1.0 U	8.0 U	2.0 UDJ	2.0 U*	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide		40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane		40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	490 DJ	260	76	110	100 DJ	260	120 D	190	96 DJ	85	18	20	19 J	19	21	24	21	22	20	20
cis-1,3-Dichloropropene	0.4	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane		40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	3.9	5.8 J	5.0 DJ	2.8	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzne (Cumene)	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate		100 UDJ	500 U	2.5 U	50 U	50 UDJ	330 U	2.5 U	20 U	5.0 UDJ	20 U	2.5 U	2.5 U	2.5 UJ	20 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Cyclohexane		40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.4	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	0.48 J	1.0 U	1.0 U
Methyl Tert Butyl Ether	10	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.1	8.0 U	0.97 DJ	0.89 J	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	40 UDJ	50 U	2.0	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	2900 DJ	230	16	10 J	21 DJ	100	45	71	47 DJ	49	25	28	24 J	22	25	28	25	24	23	22
Trichlorofluoromethane	5	40 UDJ	50 U	1.0 U	20 U	20 UDJ	33 U	1.0 U	8.0 U	2.0 UDJ	2.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	40 UDJ	29 J	1.4	20 U	20 UDJ	32 J	12	21	13 DJ	9.4	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.2	1.0 U
Xylenes, Total		80 UDJ	100 U	2.0 U	40 U	40 UDJ	67 U	2.0 U	16.0 U	4.0 UDJ	4.0 U	2.0 U	2.0 U	2.0 UJ	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		14060	4730	2227	3892	1070	2557	332	764	344	269	117	128	126	99.1	127.2	130	120	114	108	105
Total VOCs (w/o Acteone or Methylene Chloride)		14060	4730	2221	3892	1070	2557	322	756	344	269	107	124	118	99.1	119.1	130	120	114	108	105

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
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
^1-This is a duplicate sample from 4009-12
^2-This is a duplicate sample from 4009-29I

Sample ID	NYSDEC GA	4009-27I 2/20/2014	4009-27I 5/28/2014	4009-27I 8/28/2014	4009-27I 12/9/2014	4009-27I 4/20/2015	4009-27I 7/29/2015	4009-27I 11/4/2015	4009-27I 3/28/2016	4009-27I 6/30/2016	4009-27I 9/29/2016	4009-27D 2/20/2014	4009-27D 5/28/2014	4009-27D 8/28/2014	4009-27D 12/9/2014	4009-27D 4/20/2015	4009-27D 7/29/2015	4009-27D 11/4/2015	4009-27D 3/28/2016	4009-27D 6/30/2016	4009-27D 9/29/2016
Sampling Date	Standard	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep
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	ug/L	ug/L	ug/L	ug/L
Units																					
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.3 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	0.37 J	1.0 UJ	1.0 U	1.0 U	0.31 J	1.0 U	0.39 J	0.40 J	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trimethylbenzene		1.0 U	1.0 U	1.0 UJ	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzne	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromomethane (Ethylene Dibromide)	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	5.8 J	10 U	7.9 J	10 U	9.3 J	10 U	10 U	10 U	10 U	10 U	9.8 J	4.8 J	8.0 J	10 U	7.1 J	10.0 U	10.0 U	10.0 U	10 U	10 U
Benzene	1	1.0 U	1.0 U	0.71 J	1.0 U	1.0 U	1.0 U	0.61 J	1.0 U	0.95 J	4.6	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50*	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide		1.0 U	1.0 U	1.0 UJ	0.86 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane		1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane		1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate		2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Cyclohexane		1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	0.60 J	1.0 U	1.0 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 UJ	0.77 J	0.87 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	1.4	1.1	1.2 J	0.34 J	1.0 U	1.9	1.0 U	1.4	0.84 J	1.0 U	1.0 U	1.0 U	0.48 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total		2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		7.20	1.47	11.1	1.97	10.17	2.21	0.61	1.79	3.49	4.60	9.80	4.80	8.48	0.0	7.10	0.0	0.0	0.60	0.0	0.0
Total VOCs (w/o Acteone or Methylene Chloride)		1.40	1.47	3.21	1.97	0.87	2.21	0.61	1.79	3.49	4.60	0.0	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Notes
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- Concentration exceeds NYSDEC Class GA Standard
U - Compound was not detected at the indicated concentration
J - Compound detected below the reporting limit or
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B - Analyte detected in the method blank and sample
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* - Laboratory control sample / duplicate exceeds control limits.
^ - This is a duplicate sample from 4009-12
^ - This is a duplicate sample from 4009-29I

Sample ID Sampling Date Groundwater Monitoring Zone Units	NYSDEC GA Standard ug/L	4009-28 2/20/2014 Deep ug/L	4009-28 5/28/2014 Deep ug/L	4009-28 8/28/2014 Deep ug/L	4009-28 12/9/2014 Deep ug/L	4009-28 4/20/2015 Deep ug/L	4009-28 7/29/2015 Deep ug/L	4009-28 11/4/2015 Deep ug/L	4009-28 3/28/2016 Deep ug/L	4009-28 6/30/2016 Deep ug/L	4009-28 9/29/2016 Deep ug/L	4009-29S 2/20/2014 Intermediate ug/L	4009-29S 5/28/2014 Intermediate ug/L	4009-29S 8/28/2014 Intermediate ug/L	4009-29S 12/9/2014 Intermediate ug/L	4009-29S 4/20/2015 Intermediate ug/L	4009-29S 7/29/2015 Intermediate ug/L	4009-29S 11/4/2015 Intermediate ug/L
1,1,1-Trichloroethane	5	1.3	2.7	1.0 U	3.0	2.9	2.9	2.3	1.9	2.5	2.5	710 D	650	1000 DJ	480	830	850	760
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	12	10 U	7.1 DJ	17 U	8.7 J	7.3 J	20 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	0.28 J	1.0 U	1.0 U	1.0 U	1.0	1.0 U	1.0 U	130 D	35	46 D	29	38	55	49
1,1-Dichloroethene	5	1.0 U	0.3 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	92	89	62 D	33	37	130	84
1,2,3-Trimethylbenzene		1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	83 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
1,2,4-Trimethylbenzne	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	33 U	20 U	20 U	20 U
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	100 UD	170 U	200 U	200 U	200 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	50 UD	170 U	100 U	100 U	100 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	50 UD	170 U	100 U	100 U	100 U
Acetone	50*	7.9 J	3.7 J	6.8 J	10 U	6.1 J	10 U	10.0 U	10.0 U	10 U	10 U	6.0 J	100 U	100 UD	170 U	200 U	200 U	200 U
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Bromoform	50*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Carbon disulfide		1.0 U	1.0 U	1.0 U	1.0 U	0.22 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.9	10 U	10 UD	17 U	20 U	20 U	20 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.69 J	10 U	10 UD	17 U	20 U	20 U	20 U
Chloromethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	0.25 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	260 D	340	410 D	270	320	480	310
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3	10 U	10 UD	17 U	20 U	20 U	20 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Isopropylbenzne (Cumene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Methyl Acetate		2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	25 UD	170 U	20 U	20 U	50 U
Methyl Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Methylene Chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	5.6 J*	20 U	20 U	20 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.95 J	10 U	10 UD	17 U	20 U	20 U	20 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.5	10 U	10 UD	17 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	300 D	10 U	27 D	3.5 J	20 U	20 U	20 U
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	10 UD	17 U	20 U	20 U	20 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	43	15	42 D	16 J	24	65	82
Xylenes, Total		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	20 U	20 UD	33 U	40 U	40 U	40 U
Total VOCs		9.20	6.71	6.80	3.53	9.22	2.90	0.0	2.90	2.50	2.50	1560	1129	1594	837	1257.7	1587	1285
Total VOCs (w/o Acteone or Methylene Chloride)		1.30	3.01	0.0	3.53	3.12	2.90	0.0	2.90	2.50	2.50	1554	1129	1594	832	1257.7	1587	1285

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
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
^ - This is a duplicate sample from 4009-12
^ - This is a duplicate sample from 4009-29I

Sample ID	NYSDEC	4009-29S	4009-29S	4009-29S	4009-29I	4009-29I	4009-29I	4009-29I	4009-29I	4009-29I	4009-29I	4009-29I	4009-29I	4009-29I	DUP_02 ²	4009-29D	4009-29D	4009-29D	4009-29D	4009-29D
Sampling Date	GA	3/28/2016	6/30/2016	9/29/2016	2/20/2014	5/28/2014	8/28/2014	12/9/2014	4/20/2015	7/29/2015	11/4/2015	3/28/2016	6/30/2016	9/29/2016	9/29/2016	2/20/2014	5/28/2014	8/28/2014	12/9/2014	4/20/2015
Groundwater Monitoring Zone	Standard	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Deep	Deep	Deep
Units	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	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	5	800 D	460	430	1700 D	1600	130 DJ	1100	1500	1700	1400	1400 D	1200	1.0 U	1.0 U	1.0 U	80	1200 DJ	170	290
1,1,2,2-Tetrachloroethane	5	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		7.1	20 U	1.0 U	21	25 U	2.0 UDJ	15 J	15 J	40 U	40 U	14	15 J	1.0 U	1.0 U	1.0 U	1.1	14	2.9 J	3.6 J
1,1,2-Trichloroethane	1	0.49 J	20 U	1.0 U	0.86 J	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	0.57 J	25 U	1.0 U	1.0 U	1.0 U	1.0 U	0.65 J	5.7 U	5.0 U
1,1-Dichloroethane	5	58	69	52	83	96	21 DJ	82	100	100	90	69	71	4.4	4.5	1.1	16	150 DJ	27	51
1,1-Dichloroethene	5	45	33	27	150 D	230	6.4 DJ	92	85	240	200	77	93	1.9	1.7	1.0 U	12	130 DJ	27	29
1,2,3-Trimethylbenzene		20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	200 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	29 U	5.0 U
1,2,4-Trichlorobenzene	5	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
1,2,4-Trimethylbenzne	5	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
1,2-Dibromo-3-Chloropropane	0.04	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	80 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	5.0 U
1,2-Dibromomethane (Ethylene Dibromide)	5	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
1,2-Dichlorobenzene	3	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
1,2-Dichloroethane	0.6	20 U	20 U	1.0 U	0.41 J	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	0.72 J	5.7 U	5.0 U
1,2-Dichloropropane	1	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
1,3-Dichlorobenzene	3	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
1,4-Dichlorobenzene	3	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
2-Butanone (MEK)	50	200 U	200 U	10 U	10 U	250 U	20 UDJ	400 U	400 U	400 U	400 U	10 U	250 U	10 U	10 U	10 U	10 U	10 U	57 U	50 U
2-Hexanone	50*	100 U	100 U	5.0 U	5.0 U	130 U	10 UDJ	400 U	200 U	200 U	200 U	5.0 U	130 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	57 U	25 U
4-Methyl-2-pentanone (MIBK)		100 U	100 U	5.0 U	5.0 U	130 U	10 UDJ	400 U	200 U	200 U	200 U	5.0 U	130 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	57 U	25 U
Acetone	50*	200 U	200 U	10 U	11	250 U	12 DJ	400 U	400 U	400 U	400 U	10 U	250 U	5.6 J	6.2 J	6.9 J	10 U	10 U	57 U	50 U
Benzene	1	20 U	20 U	1.0 U	0.59 J	25 U	41 DJ	40 U	40 U	40 U	40 U	0.48 J	25 U	75	75	1.0 U	1.0 U	0.72 J	5.7 U	5.0 U
Bromodichloromethane	50	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Bromoform	50*	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Bromomethane	5	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Carbon disulfide		20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	0.35 J	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Carbon tetrachloride	5	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Chlorobenzene	5	20 U	20 U	1.0 U	1.6	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.3	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Chloroethane	5	1.5	20 U	1.0 U	5.0	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	2.7	25 U	51	49	1.0 U	1.4	8.8 DJ	5.7 U	2.5 J
Chloroform	7	0.49 J	20 U	1.0 U	1.1	25 U	1.1 DJ	40 U	40 U	40 U	40 U	0.77 J	25 U	1.0 U	1.0 U	1.0 U	0.83 J	5.7 U	5.0 U	
Chloromethane		20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
cis-1,2-Dichloroethene	5	390 D	190	200	400 D	400	53 DJ	330	380	530	410	420 D	340	45	45	1.4	25	400 DJ	150	210
cis-1,3-Dichloropropene	0.4	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Cyclohexane		20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Dibromochloromethane	50	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Dichlorodifluoromethane	5	1.5	20 U	1.0 U	1.2	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.9	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.5	5.7 U	5.0 U
Ethylbenzene	5	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Isopropylbenzne (Cumene)	5	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Methyl Acetate		50 U	50 U	2.5 U	2.5 U	63 U	5.0 UDJ	400 U	100 U	100 U	100 U	2.5 U	63 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	57 U	13 U
Methyl Cyclohexane		20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Methylene Chloride	5	0.58 J	20 U	1.0 U	1.0 U	25 U	1.2 DJ	14 J*	18 J	40 U	40 U	0.60 J	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 J*	5.0 U
Methyl Tert Butyl Ether	10	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Styrene	5	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Tetrachloroethene	5	0.42 J	20 U	1.0 U	2.1	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.8	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0	5.7 U	5.0 U
Toluene	5	20 U	20 U	1.0 U	1.0 U	25 U	3.7 DJ	40 U	40 U	40 U	40 U	1.0 U	25 U	2.2	2.0	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
trans-1,2-Dichloroethene	5	20 U	20 U	1.0 U	3.4	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.3	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.8	5.7 U	5.0 U
trans-1,3-Dichloropropene	0.4	20 U	20 U	1.0 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Trichloroethene	5	9.2	20 U	1.0 U	450 D	460	34 DJ	360	410	550	480	450 D	370	3.5	3.4	1.8	17	400 DJ	26	20
Trichlorofluoromethane	5	20 U	20 U	1.0 U	0.94 J	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	0.92 J	25 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U
Vinyl chloride	2	120 D	78	95	85	85	6.6 DJ	78	92	140	110	94	85	2.0	1.0 U	4.7	12	170 DJ	34	55
Xylenes, Total		40 U	40 U	2.0 U	2.0 U	50 U	4.0 UDJ	80 U	80 U	80 U	80 U	2.0 U	50 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	11 U	10 U
Total VOCs		1434	830	804	2917	2871	310	2071	2600	3260	2690	2536	2174	191	187	15.9	165	2480	439	674
Total VOCs (w/o Acteone or Methylene Chloride)		1434	830	804	2906	2871	297	2057	2582	3260	2690	2536	2174	185	181	9.00	165	2480	437	674

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
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
¹-This is a duplicate sample from 4009-12
²-This is a duplicate sample from 4009-29I

Sample ID	NYSDEC GA	4009-29D 7/29/2015 Deep	4009-29D 11/4/2015 Deep	4009-29D 3/28/2016 Deep	4009-29D 6/30/2016 Deep	4009-29D 9/29/2016 Deep	4009-30 4/20/2015 Deep	4009-30 7/29/2015 Deep	4009-30 11/4/2015 Deep	4009-30 3/28/2016 Deep	4009-30 6/30/2016 Deep	4009-30 9/29/2016 Deep	4009-30A 4/20/2015 Shallow	4009-30A 7/29/2015 Shallow	4009-30A 11/4/2015 Shallow	4009-30A 3/28/2016 Shallow	4009-30A 6/30/2016 Shallow	4009-30A 9/29/2016 Shallow
Sampling Date	Standard	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
Groundwater Monitoring Zone	Units																	
1,1,1-Trichloroethane	5	30	14	23	16	14	0.98 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	1.0 U	0.40 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	12	4.2	5.5	4.0	3.7	0.86 J	0.82 J	0.52 J	0.91 J	0.65 J	0.52 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.51 J
1,1-Dichloroethene	5	5.7	2.0	2.0	1.3	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trimethylbenzene		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzne	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	10 U	10 U	10 U	10 U	10 U	10 U	7.0 J	10 U	10 U	10 U	7.3 J	4.9 J	6.9 J	10 U	10 U	10 U	10 U
Benzene	1	0.70 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.44 J	1.0 U	0.44 J	0.56 J	0.75 J	2.5	0.60 J	2.2	0.43 J	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.2	1.2	1.5	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	37	8.0	9.9	5.7	5.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzne (Cumene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	1.0 U	1.0 U	0.48 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.49 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.78 J	0.94 J	3.3	2.0	1.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	7.8	7.2	8.3	7.5	6.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		94.0	37.54	54.08	38.0	34.5	8.84	0.82	0.96	1.40	8.39	5.98	7.65	2.50	0.60	2.20	0.43	0.51
Total VOCs (w/o Acteone or Methylene Chloride)		94.0	37.54	53.60	38.0	34.5	1.84	0.82	0.96	0.91	1.09	1.08	0.75	2.50	0.60	2.20	0.43	0.51

Notes
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B - Analyte detected in the method blank and sample
E - Estimated value
D- Result of diluted sample shown
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
^1-This is a duplicate sample from 4009-12
^2-This is a duplicate sample from 4009-29I

Sample ID Sampling Date Groundwater Monitoring Zone Units	NYSDEC GA Standard ug/L	Well 1-1 4/20/2015 Deep ug/L	Well 1-1 7/29/2015 Deep ug/L	Well 1-1 11/4/2015 Deep ug/L	Well 1-1 3/28/2016 Deep ug/L	Well 1-1 6/30/2016 Deep ug/L	Well 1-1 9/29/2016 Deep ug/L
1,1,1-Trichloroethane	5	220	240	350	250	210	310
1,1,2,2-Tetrachloroethane	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		4.1	5.0 U	5.0 U	4.3 J	4.3 J	6.3
1,1,2-Trichloroethane	1	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5	15	18	28	22	14	22
1,1-Dichloroethene	5	10	30	41	16	5.0 U	20
1,2,3-Trimethylbenzene		4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trimethylbenzne	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-Chloropropane	0.04	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	3	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	0.6	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	1	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	3	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	3	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	50	40 U	50 U	50 U	50 U	50 U	50 U
2-Hexanone	50*	20 U	25 U	25 U	25 U	25 U	25 U
4-Methyl-2-pentanone (MIBK)		20 U	25 U	25 U	25 U	25 U	25 U
Acetone	50*	40 U	50 U	50 U	50 U	50 U	50 U
Benzene	1	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	50	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	50*	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide		4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	7	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane		4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	5	39	66	82	68	52	77
cis-1,3-Dichloropropene	0.4	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane		4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	50	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzne (Cumene)	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl Acetate		10 U	13 U	13 U	13 U	13 U	13 U
Methyl Cyclohexane		4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	5	4.0 U	5.0 U	5.0 U	5.9 B	5.0 U	5.0 U
Methyl Tert Butyl Ether	10	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	0.4	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5	41	64	81	59	56	69
Trichlorofluoromethane	5	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	2	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes, Total		8.0 U	10 U	10 U	10 U	10 U	10 U
Total VOCs		329	418	582	425	336	504
Total VOCs (w/o Acteone or Methylene Chloride)		329	418	582	419	336	504

Notes
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- 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
M - Manual integrated compound
* - Laboratory control sample / duplicate exceeds control limits.
¹-This is a duplicate sample from 4009-12
²-This is a duplicate sample from 4009-29I

Table 2-4 Summary of Town of Vestal Municipal Well Sampling Results
Remedial Site Optimization
Vestal Water Supply Site
Site Number 7-04-009A

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	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
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	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 U
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	NS	NS	NS	NA
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	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 U
1,1-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	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 U
1,2,4-Trimethylbenzne	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	NS	NS	NS	0.5 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	NS	NS	NS	NS	NA
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	NS	NS	NS	NA
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	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	NA
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	NS	NS	NS	NA
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	NS	NS	NS	NA
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	NS	NS	NS	NA
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	NS	NS	NS	0.5 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	NS	NS	NS	NS	NA
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	NS	NS	NS	NA
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	NS	NS	NS	0.5 U
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	NS	NS	NS	NA
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	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	NA
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	NS	NS	NS	0.5 U
cis-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	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	NA
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	NS	NS	NS	NA
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	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 U
Isopropylbenzne (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	NS	NS	NS	0.5 U
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	NS	NS	NS	NA
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	NS	NS	NS	NA
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	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 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	NS	NS	NS	NS	0.5 U
Total VOCs		0	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

Table 2-4 Summary of Town of Vestal Municipal Well Sampling Results
Remedial Site Optimization
Vestal Water Supply Site
Site Number 7-04-009A

Sample ID	NYSDEC GA Standard	Well 1-2A Influent 4/20/2015	Well 1-2A Influent 5/6/2015	Well 1-2A Influent 5/12/2015	Well 1-2A Influent 6/9/2015	Well 1-2A Influent 6/25/2015	Well 1-2A Influent 7/29/2015	Well 1-2A Influent 8/11/2015	Well 1-2A Influent 8/28/2015	Well 1-2A Influent 9/15/2015	Well 1-2A Influent 9/24/2015	Well 1-2A Influent 10/12/2015	Well 1-2A Influent 11/4/2015	Well 1-2A Influent 11/10/2015	Well 1-2A Influent 12/21/2015	Well 1-2A Influent 1/19/2016	Well 1-2A Influent 1/27/2016	Well 1-2A Influent 2/16/2016	Well 1-2A Influent 2/26/2016	Well 1-2A Influent 3/22/2016
Sampling Date Units	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	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,1,2,2-Tetrachloroethane	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA
1,1,2-Trichloroethane	1	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,1-Dichloroethane	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,1-Dichloroethene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,2,3-Trimethylbenzene		1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	5.0 U	NA	1.0 U	NA	1.0 U	NA
1,2,4-Trichlorobenzene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,2,4-Trimethylbenzne	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	2.0 U	NA	1.0 U	NA	1.0 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA
1,2-Dichlorobenzene	3	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,2-Dichloroethane	0.6	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,2-Dichloropropane	1	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,3-Dichlorobenzene	3	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
1,4-Dichlorobenzene	3	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
2-Butanone (MEK)	50	10 U	10 U	NA	NA	10 U	10 U	NA	10 U	NA	10 U	10 U	10 U	NA	10 U	NA	10 U	NA	10 U	NA
2-Hexanone	50*	5.0 U	5.0 U	NA	NA	5.0 U	5.0 U	NA	5.0 U	NA	5.0 U	5.0 U	5.0 U	NA	10.0 U	NA	5.0 U	NA	5.0 U	NA
4-Methyl-2-pentanone (MIBK)		5.0 U	5.0 U	NA	NA	5.0 U	5.0 U	NA	5.0 U	NA	5.0 U	5.0 U	5.0 U	NA	10.0 U	NA	5.0 U	NA	5.0 U	NA
Acetone	50*	10 U	10 U	NA	NA	10 U	10 U	NA	10 U	NA	10 U	10 U	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Benzene	1	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Bromodichloromethane	50	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Bromoform	50*	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Bromomethane	5	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	1.0 U	NA	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Carbon disulfide		1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Carbon tetrachloride	5	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Chlorobenzene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Chloroethane	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Chloroform	7	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA
Chloromethane		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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
cis-1,2-Dichloroethene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
cis-1,3-Dichloropropene	0.4	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Cyclohexane		1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA
Dibromochloromethane	50	1.0 U	1.0 U	NA	NA	1.0 U	1.0 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	NA	1.0 U	NA	1.0 U	NA
Dichlorodifluoromethane	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Ethylbenzene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Isopropylbenzne (Cumene)	5	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	1.0 U	0.5 U	1.0 U	NA	1.0 U	NA	1.0 U	NA
Methyl Acetate		2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	NA	2.5 U	NA	2.5 U	2.5 U	2.5 U	NA	10 U	NA	2.5 U	NA	2.5 U	NA
Methyl Cyclohexane		1.0 U	1.0 U	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA
Methylene Chloride	5	1.0 U	1.0 U	1.0 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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	NA	1.0 U	NA	1.0 U	NA
Styrene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Tetrachloroethene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Toluene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
trans-1,2-Dichloroethene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
trans-1,3-Dichloropropene	0.4	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Trichloroethene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Trichlorofluoromethane	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Vinyl chloride	2	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U
Xylenes, Total		2.0 U	2.0 U	1.5 U	0.5 U	2.0 U	2.0 U	0.5 U	2.0 U	0.5 U	2.0 U	2.0 U	2.0 U	0.5 U	2.0 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	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

Table 2-4 Summary of Town of Vestal Municipal Well Sampling Results
Remedial Site Optimization
Vestal Water Supply Site
Site Number 7-04-009A

Sample ID	NYSDEC GA Standard	Well 1-2A Influent 3/28/2016	Well 1-2A Influent 4/20/2016	Well 1-2A Influent 4/22/2016	Well 1-2A Influent 5/20/2016	Well 1-2A Influent 5/23/2016	Well 1-2A Influent 6/21/2016	Well 1-2A Influent 6/22/2016	Well 1-2A Influent 7/20/2016	Well 1-2A Influent 7/28/2016	Well 1-2A Influent 8/16/2016	Well 1-2A Influent 8/18/2016	Well 1-2A Influent 9/6/2016	Well 1-2A Influent 9/15/2016	Well 1-3 Influent 7/22/2014	Well 1-3 Influent 7/30/2014	Well 1-3 Influent 8/18/2014	Well 1-3 Influent 8/28/2014	Well 1-3 Influent 9/29/2014	Well 1-3 Influent 9/30/2014
Sampling Date Units	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	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
1,1,2,2-Tetrachloroethane	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	NA	NA	1.0 U	1.0 U	NA
1,1,2-Trichloroethane	1	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
1,1-Dichloroethane	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
1,1-Dichloroethene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
1,2,3-Trimethylbenzene		1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	NA	NA	1.0 U	1.0 U	NA
1,2,4-Trichlorobenzene	5	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	1.0 U	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U
1,2,4-Trimethylbenzne	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	NA	NA	1.0 U	1.0 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA
1,2-Dichlorobenzene	3	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	1.0 U	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U
1,2-Dichloroethane	0.6	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
1,2-Dichloropropane	1	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
1,3-Dichlorobenzene	3	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	1.0 U	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U
1,4-Dichlorobenzene	3	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	1.0 U	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U
2-Butanone (MEK)	50	10 U	NA	10 U	NA	10 U	10 U	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10.0 U	NA
2-Hexanone	50*	5.0 U	NA	5.0 U	NA	5.0 U	5.0 U	NA	NA	5.0 U	NA	5.0 U	NA	5.0 U	NA	5.0 U	NA	5.0 U	10.0 U	NA
4-Methyl-2-pentanone (MIBK)		5.0 U	NA	5.0 U	NA	5.0 U	5.0 U	NA	NA	5.0 U	NA	5.0 U	NA	5.0 U	NA	5.0 U	NA	5.0 U	10.0 U	NA
Acetone	50*	10 U	NA	10 U	NA	10 U	10 U	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10.0 U	NA
Benzene	1	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Bromodichloromethane	50	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Bromoform	50*	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Bromomethane	5	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Carbon disulfide		1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U	0.5 U	1.0 U	0.5 U	1 U	1.0 U	0.5 U
Carbon tetrachloride	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Chlorobenzene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Chloroethane	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Chloroform	7	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA
Chloromethane		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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
cis-1,2-Dichloroethene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
cis-1,3-Dichloropropene	0.4	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Cyclohexane		1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	NA	NA	1.0 U	1.0 U	NA
Dibromochloromethane	50	1.0 U	NA	1.0 U	NA	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	NA	1.0 U	NA	1.0 U	1.0 U	NA
Dichlorodifluoromethane	5	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	1.0 U	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U
Ethylbenzene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Isopropylbenzne (Cumene)	5	1.0 U	NA	1.0 U	NA	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	NA	NA	NA	1.0 U	1.0 U	NA
Methyl Acetate		2.5 U	NA	2.5 U	NA	2.5 U	2.5 U	NA	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	NA	NA	2.5 U	NA U	NA
Methyl Cyclohexane		1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	NA	NA	1.0 U	1.0 U	NA
Methylene Chloride	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Methyl Tert Butyl Ether	10	1.0 U	NA	1.0 U	NA	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	NA	1.0 U	NA	1.0 U	1.0 U	NA
Styrene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Tetrachloroethene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Toluene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
trans-1,2-Dichloroethene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
trans-1,3-Dichloropropene	0.4	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Trichloroethene	5	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Trichlorofluoromethane	5	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	1.0 U	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U
Vinyl chloride	2	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	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U
Xylenes, Total		2.0 U	0.5 U	2.0 U	0.5 U	2.0 U	2.0 U	0.5 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	0.5 U	2.0 U	2.0 U	0.5 U
Total VOCs		0	0	0	0	0	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

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Remedial Site Optimization
Vestal Water Supply Site
Site Number 7-04-009A



Sample ID	NYSDEC GA Standard	Well 1-3 Influent 10/21/2014	Well 1-3 Influent 10/28/2014	Well 1-3 Influent 11/11/2014	Well 1-3 Influent 11/24/2014	Well 1-3 Influent 12/9/2014	Well 1-3 Influent 12/18/2014	Well 1-3 Influent 1/20/2015	Well 1-3 Influent 1/29/2015	Well 1-3 Influent 2/25/2015	Well 1-3 Influent 2/25/2015	Well 1-3 Influent 3/12/2015	Well 1-3 Influent 3/19/2015	Well 1-3 Influent 4/9/2015	Well 1-3 Influent 4/20/2015	Well 1-3 Influent 5/6/2015	Well 1-3 Influent 5/12/2015	Well 1-3 Influent 6/9/2015	Well 1-3 Influent 6/25/2015	Well 1-3 Influent 7/29/2015
Sampling Date Units	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	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	5	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	1.0 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	1.0 U
1,1,2,2-Tetrachloroethane	5	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	1.0 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	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U
1,1,2-Trichloroethane	1	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	1.0 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	1.0 U
1,1-Dichloroethane	5	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	1.0 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	1.0 U
1,1-Dichloroethene	5	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	1.0 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	1.0 U
1,2,3-Trimethylbenzene		1.0 U	NA	NA	1.0 U	5.0 U	NA	NA	1.0 U	NS	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	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	1.0 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	1.0 U
1,2,4-Trimethylbenzne	5	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	1.0 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	1.0 U
1,2-Dibromo-3-Chloropropene	0.04	1.0 U	NA	NA	1.0 U	2.0 U	NA	NA	1.0 U	NS	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U
1,2-Dichlorobenzene	3	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	1.0 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	1.0 U
1,2-Dichloroethane	0.6	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	1.0 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	1.0 U
1,2-Dichloropropane	1	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	1.0 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	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	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	1.0 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	1.0 U
1,3-Dichlorobenzene	3	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	1.0 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	1.0 U
1,4-Dichlorobenzene	3	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	1.0 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	1.0 U
2-Butanone (MEK)	50	10 U	NA	NA	10 U	10 U	NA	NA	10 U	NS	10 U	NA	10 U	NA	10 U	10 U	NA	NA	10 U	10 U
2-Hexanone	50*	5.0 U	NA	NA	5.0 U*	10 U	NA	NA	5.0 U	NS	5.0 U	NA	5.0 U	NA	5.0 U	5.0 U	NA	NA	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)		5.0 U	NA	NA	5.0 U	10 U	NA	NA	5.0 U	NS	5.0 U	NA	5.0 U	NA	5.0 U	5.0 U	NA	NA	5.0 U	5.0 U
Acetone	50*	10 U	NA	NA	10 U	10 U	NA	NA	10 U	NS	10 U	NA	10 U	NA	10 U	10 U	NA	NA	10 U	10 U
Benzene	1	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	1.0 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	1.0 U
Bromodichloromethane	50	1.0 U	0.5 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U
Bromoform	50*	1.0 U	0.5 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U
Bromomethane	5	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	1.0 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	1.0 U
Carbon disulfide		1.0 U	0.5 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U
Carbon tetrachloride	5	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	1.0 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	1.0 U
Chlorobenzene	5	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	1.0 U	NA	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U
Chloroethane	5	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	1.0 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	1.0 U
Chloroform	7	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U
Chloromethane		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	1.0 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	1.0 U
cis-1,2-Dichloroethene	5	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	1.0 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	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	5 U	0.5 U	1.0 U	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	1.0 U
Cyclohexane		1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U
Dibromochloromethane	50	1.0 U*	NA	NA	1.0 U*	1.0 U	NA	NA	1.0 U	NS	1.0 U	0.5 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U
Dichlorodifluoromethane	5	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	1.0 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	1.0 U
Ethylbenzene	5	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	1.0 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	1.0 U
Isopropylbenzne (Cumene)	5	1.0 U	NA	NA	1.0 U	1.0 U	NA	0.5 U	1.0 U	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	1.0 U
Methyl Acetate		2.5 U	NA	NA	2.5 U	10 U	NA	NA	2.5 U	NS	2.5 U	NA	2.5 U	NA	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U
Methyl Cyclohexane		1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	1.0 U
Methylene Chloride	5	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	1.0 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	1.0 U
Methyl Tert Butyl Ether	10	1.0 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	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	1.0 U
Styrene	5	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	1.0 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	1.0 U
Tetrachloroethene	5	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	1.0 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	1.0 U
Toluene	5	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	1.0 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	1.0 U
trans-1,2-Dichloroethene	5	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	1.0 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	1.0 U
trans-1,3-Dichloropropene	0.4	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	1.0 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	1.0 U
Trichloroethene	5	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	1.0 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	1.0 U
Trichlorofluoromethane	5	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	1.0 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	1.0 U
Vinyl chloride	2	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	1.0 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	1.0 U
Xylenes, Total		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	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	2.0 U
Total VOCs		0	0	0	0	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

Table 2-4 Summary of Town of Vestal Municipal Well Sampling Results
Remedial Site Optimization
Vestal Water Supply Site
Site Number 7-04-009A

Sample ID	NYSDEC GA Standard	Well 1-3 Influent 8/11/2015 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	Well 1-3 Influent 10/12/2015 ug/L	Well 1-3 Influent 11/4/2015 ug/L	Well 1-3 Influent 11/10/2015 ug/L	Well 1-3 Influent 12/21/2015 ug/L	Well 1-3 Influent 1/19/2016 ug/L	Well 1-3 Influent 1/27/2016 ug/L	Well 1-3 Influent 2/16/2016 ug/L	Well 1-3 Influent 2/26/2016 ug/L	Well 1-3 Influent 3/22/2016 ug/L	Well 1-3 Influent 3/28/2016 ug/L	Well 1-3 Influent 4/20/2016 ug/L	Well 1-3 Influent 4/22/2016 ug/L	Well 1-3 Influent 5/20/2016 ug/L	Well 1-3 Influent 5/23/2016 ug/L	Well 1-3 Influent 6/21/2016 ug/L
1,1,1-Trichloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 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	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		NA	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U
1,1,2-Trichloroethane	1	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
1,1-Dichloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
1,1-Dichloroethene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
1,2,3-Trimethylbenzene		0.5 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	5.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
1,2,4-Trimethylbenzne	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	0.5 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	2.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	0.5 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U
1,2-Dichlorobenzene	3	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
1,2-Dichloropropane	1	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 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	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
2-Butanone (MEK)	50	NA	10 U	NA	10 U	10 U	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
2-Hexanone	50*	NA	5.0 U	NA	5.0 U	5.0 U	5.0 U	NA	10.0 U	NA	5.0 U	NA	5.0 U	NA	5.0 U	NA	5.0 U	NA	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)		NA	5.0 U	NA	5.0 U	5.0 U	5.0 U	NA	10.0 U	NA	5.0 U	NA	5.0 U	NA	5.0 U	NA	5.0 U	NA	5.0 U	5.0 U
Acetone	50*	NA	10 U	NA	10 U	10 U	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Benzene	1	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Bromodichloromethane	50	0.5 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U
Bromoform	50*	0.5 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U
Bromomethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U
Carbon disulfide		NA	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U
Carbon tetrachloride	5	0.5 U	1.0 U	NA	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Chlorobenzene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Chloroethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Chloroform	7	0.5 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U
Chloromethane		0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 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	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Cyclohexane		NA	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U
Dibromochloromethane	50	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Dichlorodifluoromethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Ethylbenzene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Isopropylbenzne (Cumene)	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Methyl Acetate		NA	2.5 U	NA	2.5 U	2.5 U	2.5 U	NA	10 U	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	2.5 U	NA	2.5 U	2.5 U
Methyl Cyclohexane		NA	1.0 U	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U
Methylene Chloride	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Methyl Tert Butyl Ether	10	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Styrene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Tetrachloroethene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Toluene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 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	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Trichloroethene	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Trichlorofluoromethane	5	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Vinyl chloride	2	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U
Xylenes, Total		0.5 U	2.0 U	0.5 U	2.0 U	2.0 U	2.0 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	0.5 U	2.0 U	0.5 U	2.0 U	2.0 U
Total VOCs		0	0	0	0	0	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

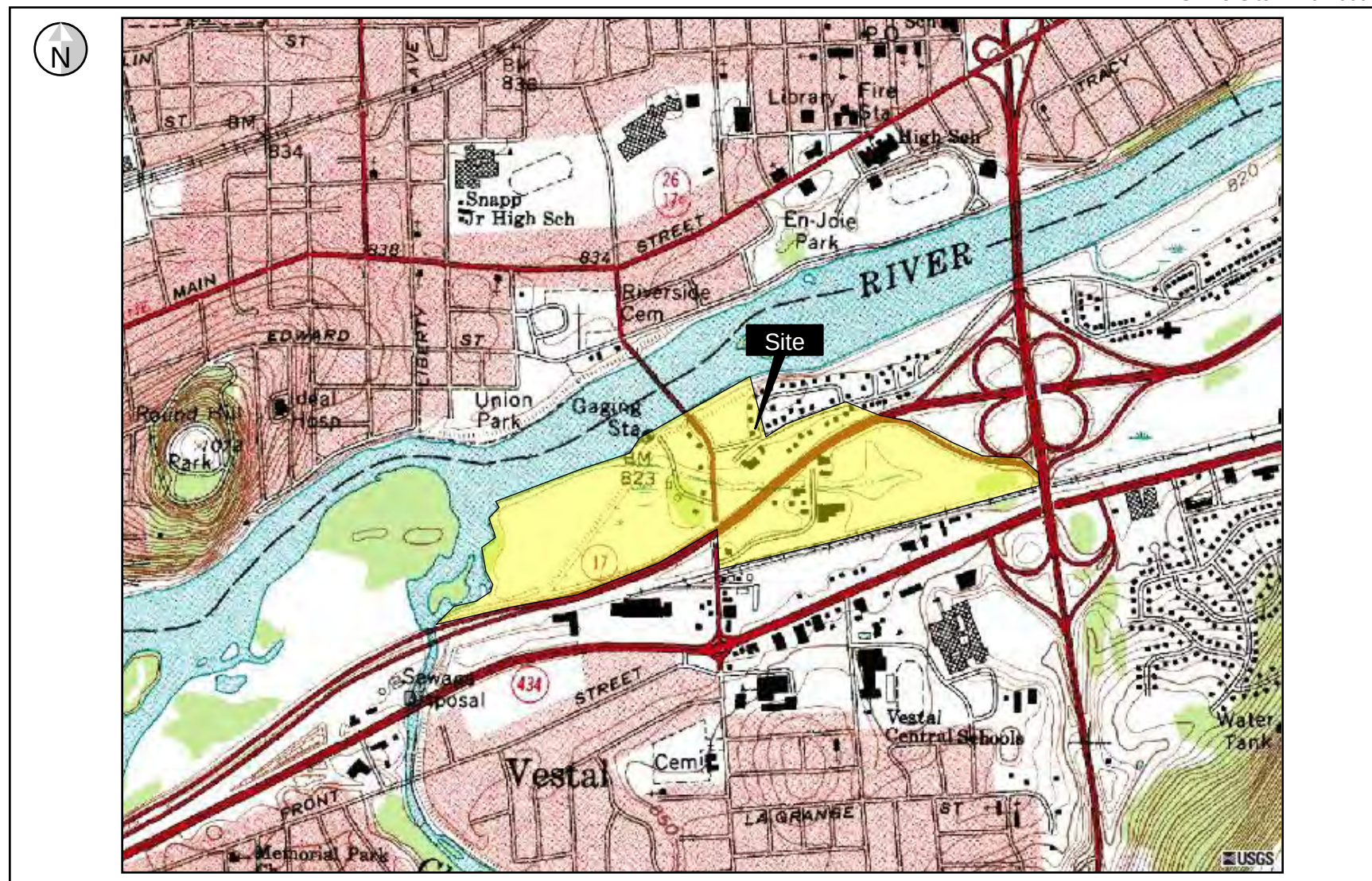
Table 2-4 Summary of Town of Vestal Municipal Well Sampling Results
Remedial Site Optimization
Vestal Water Supply Site
Site Number 7-04-009A

Sample ID	NYSDEC GA Standard	Well 1-3 Influent 6/22/2016	Well 1-3 Influent 7/20/2016	Well 1-3 Influent 7/28/2016	Well 1-3 Influent 8/16/2016	Well 1-3 Influent 8/18/2016	Well 1-3 Influent 9/6/2016	Well 1-3 Influent 9/15/2016
Sampling Date Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,1,2,2-Tetrachloroethane	5	0.5 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		NA	NA	1.0 U	NA	1.0 U	NA	1.0 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,1-Dichloroethane	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,1-Dichloroethene	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,2,3-Trimethylbenzene		NA	NA	1.0 U	NA	1.0 U	NA	1.0 U
1,2,4-Trichlorobenzene	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,2,4-Trimethylbenzne	5	0.5 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	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U
1,2-Dichlorobenzene	3	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,2-Dichloropropane	1	0.5 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	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,3-Dichlorobenzene	3	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,4-Dichlorobenzene	3	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
2-Butanone (MEK)	50	NA	NA	10 U	NA	10 U	NA	10 U
2-Hexanone	50*	NA	NA	5.0 U	NA	5.0 U	NA	5.0 U
4-Methyl-2-pentanone (MIBK)		NA	NA	5.0 U	NA	5.0 U	NA	5.0 U
Acetone	50*	NA	NA	10 U	NA	10 U	NA	10 U
Benzene	1	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Bromodichloromethane	50	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U
Bromoform	50*	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U
Bromomethane	5	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U
Carbon disulfide		NA	NA	1.0 U	NA	1.0 U	NA	1.0 U
Carbon tetrachloride	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Chlorobenzene	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Chloroethane	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Chloroform	7	NA	NA	1.0 U	NA	1.0 U	NA	1.0 U
Chloromethane		0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
cis-1,2-Dichloroethene	5	0.5 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	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Cyclohexane		NA	NA	1.0 U	NA	1.0 U	NA	1.0 U
Dibromochloromethane	50	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Dichlorodifluoromethane	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Ethylbenzene	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Isopropylbenzne (Cumene)	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Methyl Acetate		NA	NA	2.5 U	NA	2.5 U	NA	2.5 U
Methyl Cyclohexane		NA	NA	1.0 U	NA	1.0 U	NA	1.0 U
Methylene Chloride	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Methyl Tert Butyl Ether	10	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Styrene	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Tetrachloroethene	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Toluene	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
trans-1,2-Dichloroethene	5	0.5 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	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Trichloroethene	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Trichlorofluoromethane	5	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Vinyl chloride	2	0.5 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Xylenes, Total		0.5 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

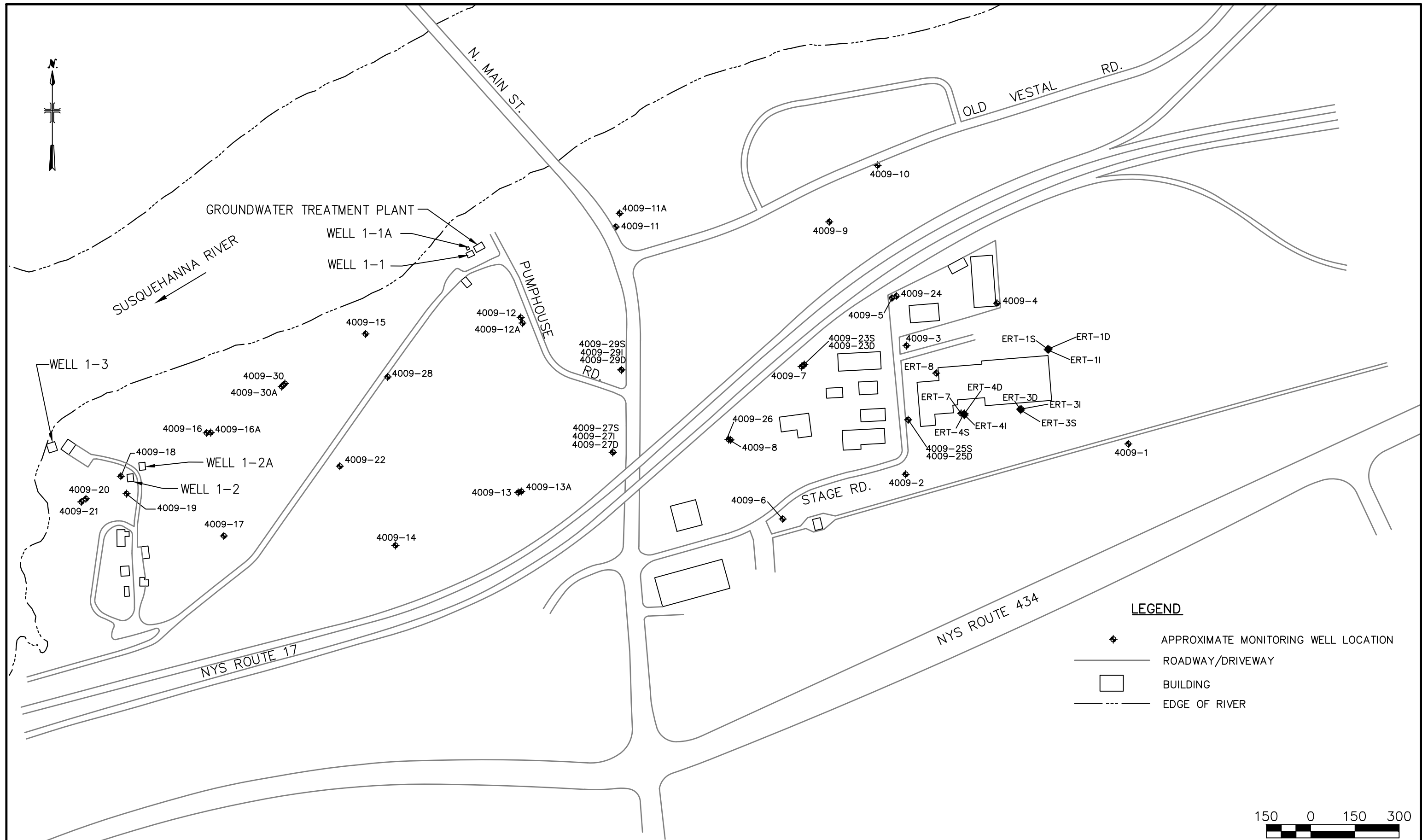
Notes
NYSDEC GA GW Standard - New York State Department
of Environmental Conservation Groundwater Standard
 - Concentration exceeds NYSDEC Class GA Standard
NA - Not Analyzed
NS - Not Sampled
U - Compound was not detected at the indicated concentration
* LCS or LCSD exceeds the control limits
** Well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

FIGURES





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



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

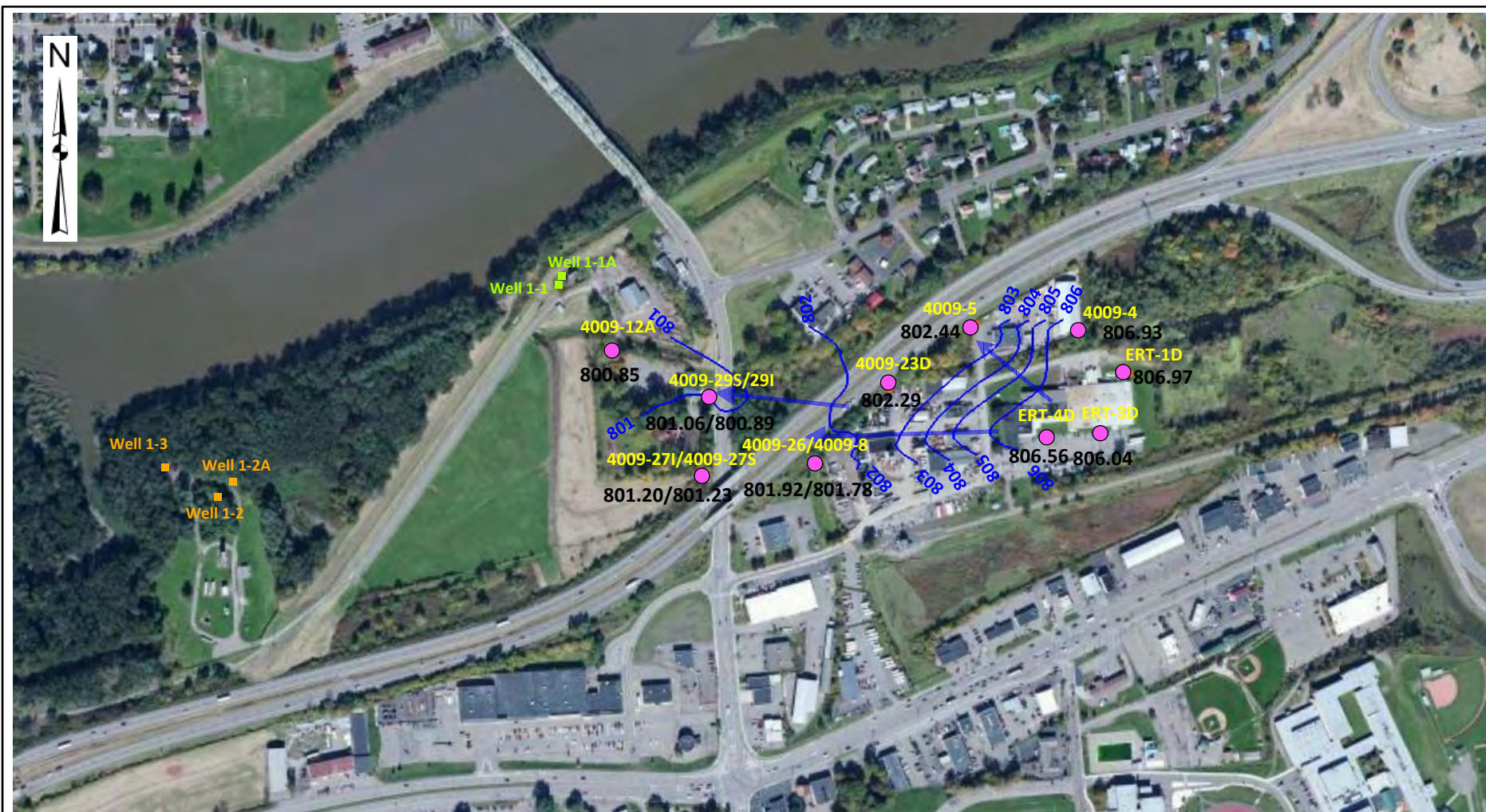


NYSDEC STANDBY CONTRACT NO. D007618-7
NYSDEC SITE NO. 7-04-009
VESTAL WATER SUPPLY
VESTAL, NEW YORK

MONITORING WELL LOCATION MAP

SCALE: AS SHOWN

MARCH 2017
FIGURE 2-1



LEGEND

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

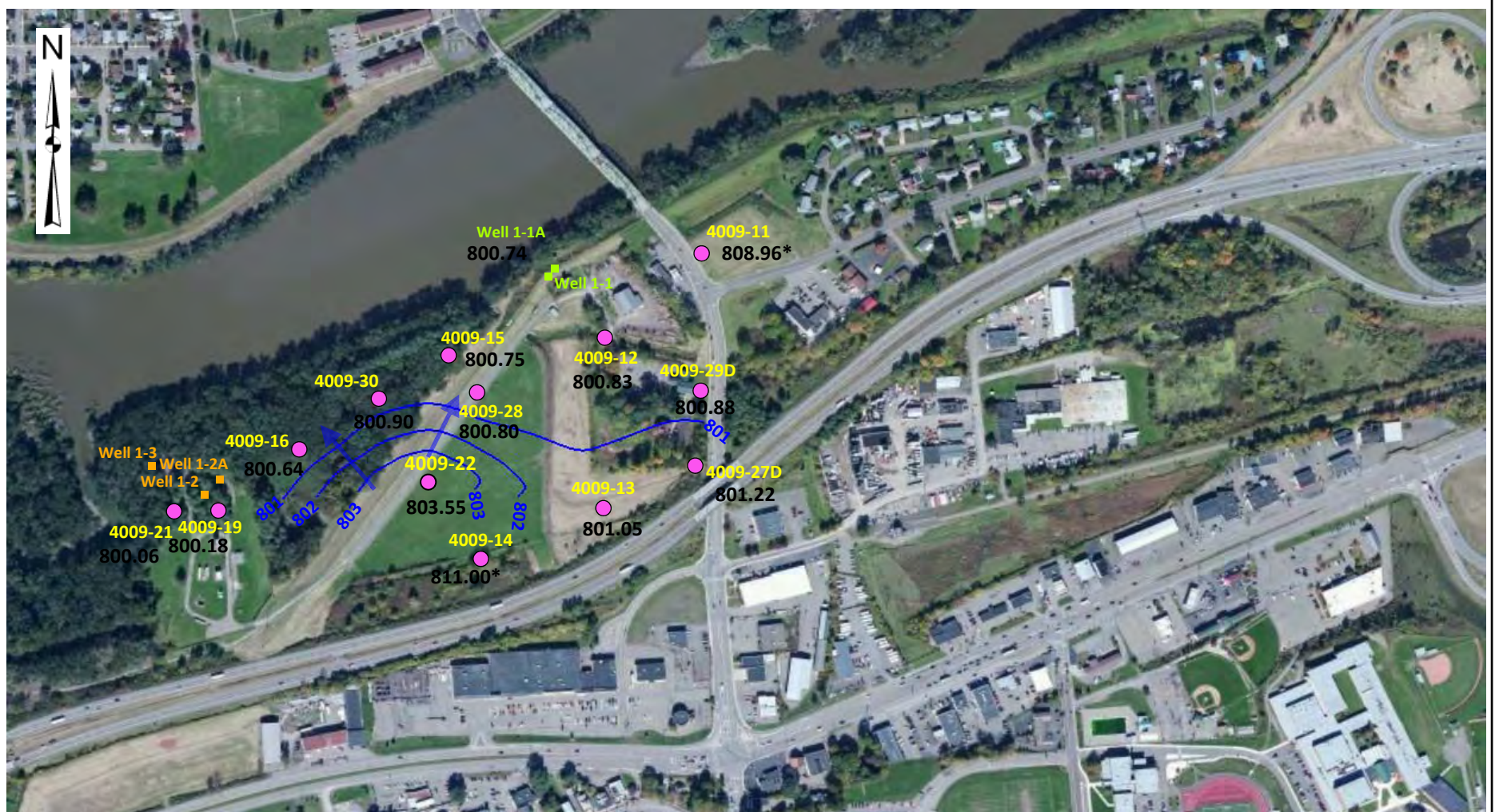
0 350 700
APPROXIMATE SCALE IN FEET

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

Intermediate Potentiometric
Surface with Well 1-1A Inactive
(September 15, 2016)

ARCADIS | 2-3

Figure



LEGEND

Well 1-1A



EXTRACTION WELL & IDENTIFIER

* Anomaly Reading

4009-15

MONITORING WELL & IDENTIFIER

804.01

(Groundwater Elevation – Feet AMSL)



GROUNDWATER ELEVATION
POTENTIOMETRIC CONTOUR
(Feet AMSL)

Well 1-3



WATER SUPPLY WELL & IDENTIFIER

0 350 700

APPROXIMATE SCALE IN FEET

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

Deep Potentiometric Surface
with Well 1-1A Inactive
(September 15, 2016)



ARCADIS

Figure

2-4



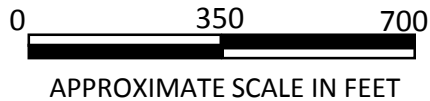
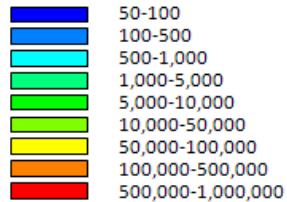
LEGEND

Well 1-3 (orange square) WATER SUPPLY WELL & IDENTIFIER

4009-7 (pink circle) MONITORING WELL & IDENTIFIER
42.8
Total VOC Concentration(ug/L);
"ND" indicates no detection

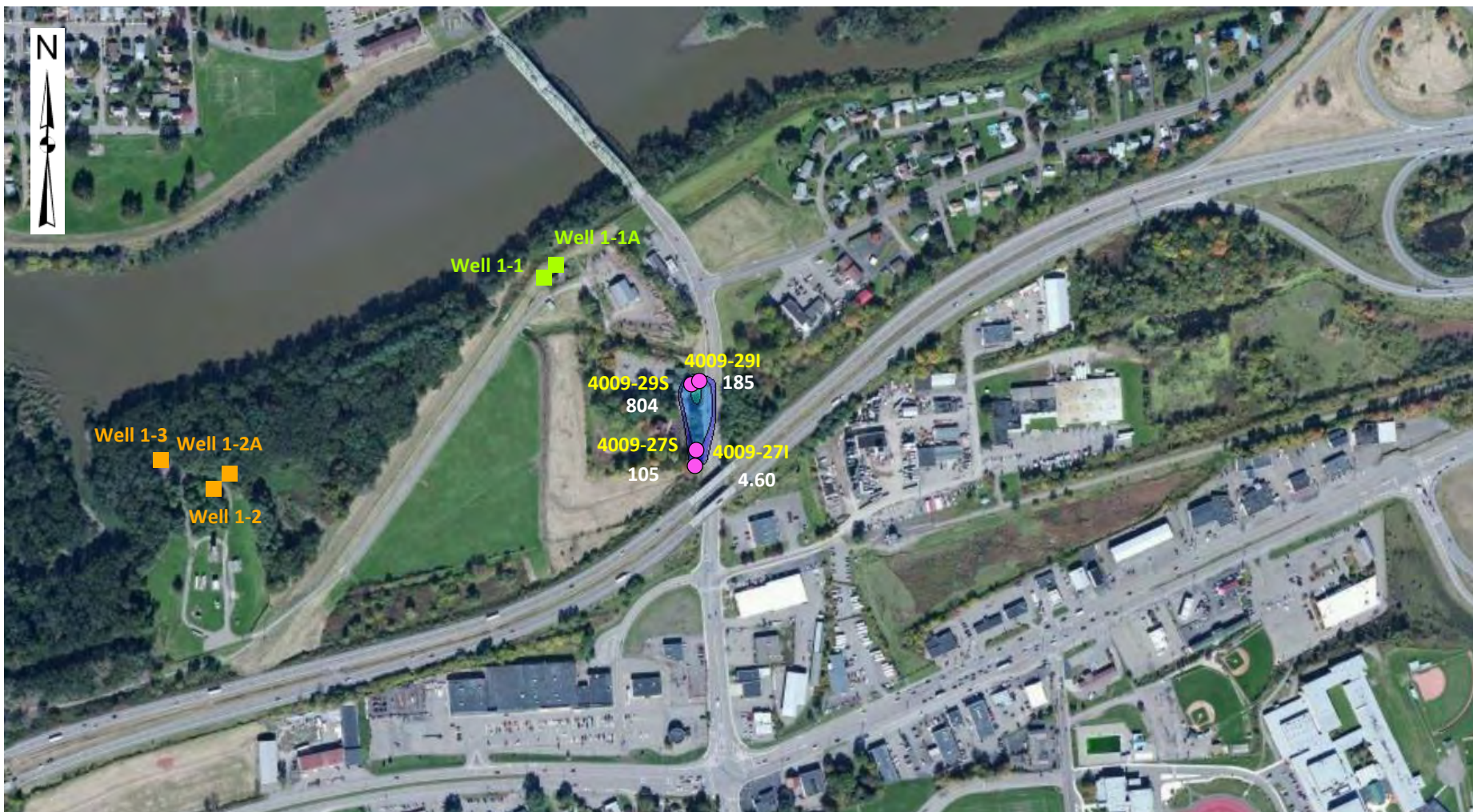
Well 1-1 (green square) EXTRACTION WELL & IDENTIFIER

TOTAL VOCs (ug/L)



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

**Total VOC Concentrations
(Shallow Wells)
September 29, 2016**



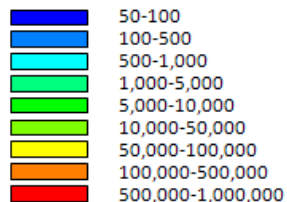
LEGEND

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

TOTAL VOCs (ug/l)



0 350 700

APPROXIMATE SCALE IN FEET

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

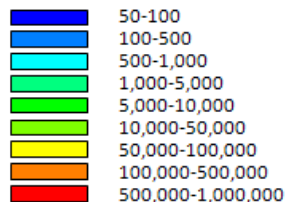
**Total VOC Concentrations
(Intermediate Wells)
September 29, 2016**



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

TOTAL VOCs (ug/l)



0 350 700
APPROXIMATE SCALE IN FEET

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

Total VOC Concentrations
(Deep Wells)
September 29, 2016



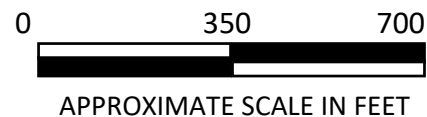
LEGEND

Well 1-3 (Orange square) WATER SUPPLY WELL & IDENTIFIER

4009-7 (Pink circle) MONITORING WELL & IDENTIFIER
42.8 Benzene Concentration(ug/L);
"ND" indicates no detection

Well 1-1 (Green square) EXTRACTION WELL & IDENTIFIER

Concentration of Benzene (ug/l)



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

**Benzene Concentrations
(Shallow Wells)
September 29, 2016**



LEGEND

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

Concentration of Benzene (ug/l)

- 1.0 - 5.0
- 5.0 - 10
- 10 - 50 +

0 350 700

APPROXIMATE SCALE IN FEET

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

**Benzene Concentrations
(Intermediate Wells)
September 29, 2016**



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)

- 1.0 - 5.0
- 5.0 - 10
- 10 - 50 +

0 350 700

APPROXIMATE SCALE IN FEET

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

**Benzene Concentrations
(Deep Wells)
September 29, 2016**



LEGEND

- Well 1-3** WATER SUPPLY WELL & IDENTIFIER
- 4009-7** MONITORING WELL & IDENTIFIER
- Well 1-1** EXTRACTION WELL & IDENTIFIER

Concentration of Benzene (ug/l)

- 1.0 - 5.0
- 5.0 - 10
- 10 - 50 +

0 350 700

APPROXIMATE SCALE IN FEET

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

Benzene Concentrations
(All Wells)
September 29, 2016

APPENDIX A

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



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-103668-1

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:

7/29/2016 1:28:27 PM

Sally Hoffman, Project Management Assistant I

(716)504-9839

sally.hoffman@testamericainc.com

Designee for

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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: 480-103668-1

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.
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: 480-103668-1

Job ID: 480-103668-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-103668-1

Receipt

The samples were received on 7/26/2016 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1° C.

GC/MS VOA

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

Detection Summary

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

TestAmerica Job ID: 480-103668-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-103668-1

No Detections.

Client Sample ID: WELL 1-3

Lab Sample ID: 480-103668-2

No Detections.

Client Sample ID: TRIP BLANK 072516

Lab Sample ID: 480-103668-3

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: 480-103668-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-103668-1

Date Collected: 07/25/16 09:15

Matrix: Water

Date Received: 07/26/16 09:45

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			07/28/16 12:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/28/16 12:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/28/16 12:00	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/28/16 12:00	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/28/16 12:00	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/28/16 12:00	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			07/28/16 12:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/28/16 12:00	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			07/28/16 12:00	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/28/16 12:00	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/28/16 12:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/28/16 12:00	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/28/16 12:00	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/28/16 12:00	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			07/28/16 12:00	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/28/16 12:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/28/16 12:00	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/28/16 12:00	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/28/16 12:00	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/28/16 12:00	1
Acetone	10	U	10	3.0	ug/L			07/28/16 12:00	1
Benzene	1.0	U	1.0	0.41	ug/L			07/28/16 12:00	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/28/16 12:00	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/28/16 12:00	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/28/16 12:00	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/28/16 12:00	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/28/16 12:00	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/28/16 12:00	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/28/16 12:00	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/28/16 12:00	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/28/16 12:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/28/16 12:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/28/16 12:00	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/28/16 12:00	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/28/16 12:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/28/16 12:00	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/28/16 12:00	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/28/16 12:00	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/28/16 12:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/28/16 12:00	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/28/16 12:00	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/28/16 12:00	1
Styrene	1.0	U	1.0	0.73	ug/L			07/28/16 12:00	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			07/28/16 12:00	1
Toluene	1.0	U	1.0	0.51	ug/L			07/28/16 12:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/28/16 12:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/28/16 12:00	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/28/16 12:00	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/28/16 12:00	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-103668-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-103668-1

Date Collected: 07/25/16 09:15

Matrix: Water

Date Received: 07/26/16 09:45

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			07/28/16 12:00	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/28/16 12:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120					07/28/16 12:00	1
4-Bromofluorobenzene (Surr)	101		73 - 120					07/28/16 12:00	1
Dibromofluoromethane (Surr)	105		75 - 123					07/28/16 12:00	1
Toluene-d8 (Surr)	99		80 - 120					07/28/16 12:00	1

Client Sample ID: WELL 1-3

Lab Sample ID: 480-103668-2

Date Collected: 07/25/16 09:10

Matrix: Water

Date Received: 07/26/16 09:45

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			07/28/16 12:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/28/16 12:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/28/16 12:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/28/16 12:27	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/28/16 12:27	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/28/16 12:27	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			07/28/16 12:27	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/28/16 12:27	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			07/28/16 12:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/28/16 12:27	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/28/16 12:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/28/16 12:27	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/28/16 12:27	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/28/16 12:27	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			07/28/16 12:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/28/16 12:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/28/16 12:27	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/28/16 12:27	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/28/16 12:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/28/16 12:27	1
Acetone	10	U	10	3.0	ug/L			07/28/16 12:27	1
Benzene	1.0	U	1.0	0.41	ug/L			07/28/16 12:27	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/28/16 12:27	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/28/16 12:27	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/28/16 12:27	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/28/16 12:27	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/28/16 12:27	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/28/16 12:27	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/28/16 12:27	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/28/16 12:27	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/28/16 12:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/28/16 12:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/28/16 12:27	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/28/16 12:27	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/28/16 12:27	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-103668-1

Client Sample ID: WELL 1-3

Lab Sample ID: 480-103668-2

Date Collected: 07/25/16 09:10

Matrix: Water

Date Received: 07/26/16 09:45

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			07/28/16 12:27	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/28/16 12:27	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/28/16 12:27	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/28/16 12:27	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/28/16 12:27	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/28/16 12:27	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/28/16 12:27	1
Styrene	1.0	U	1.0	0.73	ug/L			07/28/16 12:27	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			07/28/16 12:27	1
Toluene	1.0	U	1.0	0.51	ug/L			07/28/16 12:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/28/16 12:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/28/16 12:27	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/28/16 12:27	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/28/16 12:27	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/28/16 12:27	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/28/16 12:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		07/28/16 12:27	1
4-Bromofluorobenzene (Surr)	103		73 - 120		07/28/16 12:27	1
Dibromofluoromethane (Surr)	103		75 - 123		07/28/16 12:27	1
Toluene-d8 (Surr)	99		80 - 120		07/28/16 12:27	1

Client Sample ID: TRIP BLANK 072516

Lab Sample ID: 480-103668-3

Date Collected: 07/25/16 00:00

Matrix: Water

Date Received: 07/26/16 09:45

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			07/28/16 12:54	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/28/16 12:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/28/16 12:54	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/28/16 12:54	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/28/16 12:54	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/28/16 12:54	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			07/28/16 12:54	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/28/16 12:54	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			07/28/16 12:54	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/28/16 12:54	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/28/16 12:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/28/16 12:54	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/28/16 12:54	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/28/16 12:54	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			07/28/16 12:54	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/28/16 12:54	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/28/16 12:54	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/28/16 12:54	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/28/16 12:54	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/28/16 12:54	1
Acetone	10	U	10	3.0	ug/L			07/28/16 12:54	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-103668-1

Client Sample ID: TRIP BLANK 072516

Lab Sample ID: 480-103668-3

Date Collected: 07/25/16 00:00

Matrix: Water

Date Received: 07/26/16 09:45

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			07/28/16 12:54	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/28/16 12:54	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/28/16 12:54	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/28/16 12:54	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/28/16 12:54	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/28/16 12:54	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/28/16 12:54	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/28/16 12:54	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/28/16 12:54	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/28/16 12:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/28/16 12:54	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/28/16 12:54	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/28/16 12:54	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/28/16 12:54	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/28/16 12:54	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/28/16 12:54	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/28/16 12:54	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/28/16 12:54	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/28/16 12:54	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/28/16 12:54	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/28/16 12:54	1
Styrene	1.0	U	1.0	0.73	ug/L			07/28/16 12:54	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			07/28/16 12:54	1
Toluene	1.0	U	1.0	0.51	ug/L			07/28/16 12:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/28/16 12:54	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/28/16 12:54	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/28/16 12:54	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/28/16 12:54	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/28/16 12:54	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/28/16 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		07/28/16 12:54	1
4-Bromofluorobenzene (Surr)	102		73 - 120		07/28/16 12:54	1
Dibromofluoromethane (Surr)	104		75 - 123		07/28/16 12:54	1
Toluene-d8 (Surr)	99		80 - 120		07/28/16 12:54	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-103668-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-103668-1	WELL 1-2A	102	101	105	99
480-103668-2	WELL 1-3	104	103	103	99
480-103668-3	TRIP BLANK 072516	102	102	104	99
LCS 480-313320/27	Lab Control Sample	97	104	100	100
MB 480-313320/6	Method Blank	100	101	100	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: 480-103668-1

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

Lab Sample ID: MB 480-313320/6

Matrix: Water

Analysis Batch: 313320

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			07/28/16 10:11	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/28/16 10:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/28/16 10:11	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/28/16 10:11	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/28/16 10:11	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/28/16 10:11	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			07/28/16 10:11	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/28/16 10:11	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			07/28/16 10:11	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/28/16 10:11	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/28/16 10:11	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/28/16 10:11	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/28/16 10:11	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/28/16 10:11	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			07/28/16 10:11	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/28/16 10:11	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/28/16 10:11	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/28/16 10:11	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/28/16 10:11	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/28/16 10:11	1
Acetone	10	U	10	3.0	ug/L			07/28/16 10:11	1
Benzene	1.0	U	1.0	0.41	ug/L			07/28/16 10:11	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/28/16 10:11	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/28/16 10:11	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/28/16 10:11	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/28/16 10:11	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/28/16 10:11	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/28/16 10:11	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/28/16 10:11	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/28/16 10:11	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/28/16 10:11	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/28/16 10:11	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/28/16 10:11	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/28/16 10:11	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/28/16 10:11	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/28/16 10:11	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/28/16 10:11	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/28/16 10:11	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/28/16 10:11	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/28/16 10:11	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/28/16 10:11	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/28/16 10:11	1
Styrene	1.0	U	1.0	0.73	ug/L			07/28/16 10:11	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			07/28/16 10:11	1
Toluene	1.0	U	1.0	0.51	ug/L			07/28/16 10:11	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/28/16 10:11	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/28/16 10:11	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/28/16 10:11	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-103668-1

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

Lab Sample ID: MB 480-313320/6

Matrix: Water

Analysis Batch: 313320

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			07/28/16 10:11	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/28/16 10:11	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/28/16 10:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		07/28/16 10:11	1
4-Bromofluorobenzene (Surr)	101		73 - 120		07/28/16 10:11	1
Dibromofluoromethane (Surr)	100		75 - 123		07/28/16 10:11	1
Toluene-d8 (Surr)	97		80 - 120		07/28/16 10:11	1

Lab Sample ID: LCS 480-313320/27

Matrix: Water

Analysis Batch: 313320

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	21.8		ug/L		87	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.0		ug/L		88	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.3		ug/L		81	61 - 148
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	23.4		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	21.1		ug/L		84	66 - 127
1,2,3-Trimethylbenzene	25.0	25.0		ug/L		100	78 - 120
1,2,4-Trichlorobenzene	25.0	23.2		ug/L		93	79 - 122
1,2,4-Trimethylbenzene	25.0	23.9		ug/L		96	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	18.4		ug/L		73	56 - 134
1,2-Dibromoethane	25.0	23.6		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	25.4		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	24.5		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	25.5		ug/L		102	76 - 120
1,3,5-Trimethylbenzene	25.0	23.6		ug/L		94	77 - 121
1,3-Dichlorobenzene	25.0	25.0		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 120
2-Butanone (MEK)	125	110		ug/L		88	57 - 140
2-Hexanone	125	114		ug/L		92	65 - 127
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		90	71 - 125
Acetone	125	126		ug/L		101	56 - 142
Benzene	25.0	23.6		ug/L		94	71 - 124
Bromodichloromethane	25.0	23.0		ug/L		92	80 - 122
Bromoform	25.0	18.8		ug/L		75	61 - 132
Bromomethane	25.0	19.7		ug/L		79	55 - 144
Carbon disulfide	25.0	20.6		ug/L		82	59 - 134
Carbon tetrachloride	25.0	21.0		ug/L		84	72 - 134
Chlorobenzene	25.0	25.1		ug/L		100	80 - 120
Chloroethane	25.0	21.0		ug/L		84	69 - 136
Chloroform	25.0	23.9		ug/L		96	73 - 127
Chloromethane	25.0	22.9		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	74 - 124

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-103668-1

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

Lab Sample ID: LCS 480-313320/27

Matrix: Water

Analysis Batch: 313320

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	25.0	24.3		ug/L		97	74 - 124
Cyclohexane	25.0	20.4		ug/L		82	59 - 135
Dibromochloromethane	25.0	22.3		ug/L		89	75 - 125
Dichlorodifluoromethane	25.0	21.8		ug/L		87	59 - 135
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
Isopropylbenzene	25.0	23.7		ug/L		95	77 - 122
Methyl acetate	125	101		ug/L		81	74 - 133
Methyl tert-butyl ether	25.0	21.6		ug/L		87	77 - 120
Methylcyclohexane	25.0	22.4		ug/L		90	68 - 134
Methylene Chloride	25.0	24.4		ug/L		98	75 - 124
Styrene	25.0	24.6		ug/L		98	80 - 120
Tetrachloroethene	25.0	24.4		ug/L		98	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	22.9		ug/L		92	73 - 127
trans-1,3-Dichloropropene	25.0	24.4		ug/L		98	80 - 120
Trichloroethene	25.0	23.5		ug/L		94	74 - 123
Trichlorofluoromethane	25.0	23.2		ug/L		93	62 - 150
Vinyl chloride	25.0	21.5		ug/L		86	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Dibromofluoromethane (Surr)	100		75 - 123
Toluene-d8 (Surr)	100		80 - 120

QC Association Summary

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

TestAmerica Job ID: 480-103668-1

GC/MS VOA

Analysis Batch: 313320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-103668-1	WELL 1-2A	Total/NA	Water	8260C	
480-103668-2	WELL 1-3	Total/NA	Water	8260C	
480-103668-3	TRIP BLANK 072516	Total/NA	Water	8260C	
MB 480-313320/6	Method Blank	Total/NA	Water	8260C	
LCS 480-313320/27	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-103668-1

Client Sample ID: WELL 1-2A

Date Collected: 07/25/16 09:15

Date Received: 07/26/16 09:45

Lab Sample ID: 480-103668-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313320	07/28/16 12:00	GVF	TAL BUF

Client Sample ID: WELL 1-3

Date Collected: 07/25/16 09:10

Date Received: 07/26/16 09:45

Lab Sample ID: 480-103668-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313320	07/28/16 12:27	GVF	TAL BUF

Client Sample ID: TRIP BLANK 072516

Date Collected: 07/25/16 00:00

Date Received: 07/26/16 09:45

Lab Sample ID: 480-103668-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313320	07/28/16 12:54	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: 480-103668-1

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	03-31-17

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

Method Summary

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

TestAmerica Job ID: 480-103668-1

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: 480-103668-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-103668-1	WELL 1-2A	Water	07/25/16 09:15	07/26/16 09:45
480-103668-2	WELL 1-3	Water	07/25/16 09:10	07/26/16 09:45
480-103668-3	TRIP BLANK 072516	Water	07/25/16 00:00	07/26/16 09:45

Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record



480-103668 Chain of Custody

[illegible]

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-103668-1

Login Number: 103668

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wallace, Cameron

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 (Excluding tests with immediate HTs)..	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.	True	
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: 480-104861-1

Client Project/Site: NYSDEC-Standby VESTAL

For:

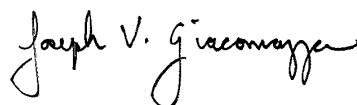
ARCADIS U.S. Inc

855 Route 146

Suite 210

Clifton Park, New York 12065

Attn: Jeremy Wyckoff



Authorized for release by:

8/24/2016 4:29:23 PM

Joe Giacomazza, Project Management Assistant II

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Designee for

Judy Stone, Senior Project Manager

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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: 480-104861-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.
J	Indicates an estimated value.

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: 480-104861-1

Job ID: 480-104861-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-104861-1

Receipt

The samples were received on 8/22/2016 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 23.6° C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria between 2-6 degrees C: Received at a temp of 23.6 deg C. Logged in pending PM/client resolution. The client indicated to proceed with the analysis.

GC/MS VOA

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

Detection Summary

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

TestAmerica Job ID: 480-104861-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-104861-1

No Detections.

Client Sample ID: WELL 1-3

Lab Sample ID: 480-104861-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.19	J	1.0	0.19	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK 081816

Lab Sample ID: 480-104861-3

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: 480-104861-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-104861-1

Date Collected: 08/18/16 11:15

Matrix: Water

Date Received: 08/22/16 09:00

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			08/23/16 12:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/23/16 12:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/23/16 12:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/23/16 12:34	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/23/16 12:34	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/23/16 12:34	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/23/16 12:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/16 12:34	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/23/16 12:34	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/23/16 12:34	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/23/16 12:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/23/16 12:34	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/16 12:34	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/23/16 12:34	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/23/16 12:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/23/16 12:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/23/16 12:34	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/23/16 12:34	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/23/16 12:34	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/23/16 12:34	1
Acetone	10	U	10	3.0	ug/L			08/23/16 12:34	1
Benzene	1.0	U	1.0	0.41	ug/L			08/23/16 12:34	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/23/16 12:34	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/23/16 12:34	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/23/16 12:34	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/23/16 12:34	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/23/16 12:34	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/23/16 12:34	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/23/16 12:34	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/23/16 12:34	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/23/16 12:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/23/16 12:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/16 12:34	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/23/16 12:34	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/23/16 12:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/23/16 12:34	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/23/16 12:34	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/23/16 12:34	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/23/16 12:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/23/16 12:34	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/23/16 12:34	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/23/16 12:34	1
Styrene	1.0	U	1.0	0.73	ug/L			08/23/16 12:34	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/23/16 12:34	1
Toluene	1.0	U	1.0	0.51	ug/L			08/23/16 12:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/23/16 12:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/23/16 12:34	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/23/16 12:34	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/23/16 12:34	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-104861-1

Client Sample ID: WELL 1-2A

Date Collected: 08/18/16 11:15

Date Received: 08/22/16 09:00

Lab Sample ID: 480-104861-1

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			08/23/16 12:34	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/23/16 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120					08/23/16 12:34	1
4-Bromofluorobenzene (Surr)	93		73 - 120					08/23/16 12:34	1
Dibromofluoromethane (Surr)	97		75 - 123					08/23/16 12:34	1
Toluene-d8 (Surr)	102		80 - 120					08/23/16 12:34	1

Client Sample ID: WELL 1-3

Date Collected: 08/18/16 11:10

Date Received: 08/22/16 09:00

Lab Sample ID: 480-104861-2

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			08/23/16 12:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/23/16 12:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/23/16 12:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/23/16 12:57	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/23/16 12:57	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/23/16 12:57	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/23/16 12:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/16 12:57	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/23/16 12:57	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/23/16 12:57	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/23/16 12:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/23/16 12:57	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/16 12:57	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/23/16 12:57	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/23/16 12:57	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/23/16 12:57	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/23/16 12:57	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/23/16 12:57	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/23/16 12:57	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/23/16 12:57	1
Acetone	10	U	10	3.0	ug/L			08/23/16 12:57	1
Benzene	1.0	U	1.0	0.41	ug/L			08/23/16 12:57	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/23/16 12:57	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/23/16 12:57	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/23/16 12:57	1
Carbon disulfide	0.19	J	1.0	0.19	ug/L			08/23/16 12:57	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/23/16 12:57	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/23/16 12:57	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/23/16 12:57	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/23/16 12:57	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/23/16 12:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/23/16 12:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/16 12:57	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/23/16 12:57	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/23/16 12:57	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-104861-1

Client Sample ID: WELL 1-3

Lab Sample ID: 480-104861-2

Date Collected: 08/18/16 11:10

Matrix: Water

Date Received: 08/22/16 09:00

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			08/23/16 12:57	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/23/16 12:57	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/23/16 12:57	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/23/16 12:57	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/23/16 12:57	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/23/16 12:57	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/23/16 12:57	1
Styrene	1.0	U	1.0	0.73	ug/L			08/23/16 12:57	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/23/16 12:57	1
Toluene	1.0	U	1.0	0.51	ug/L			08/23/16 12:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/23/16 12:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/23/16 12:57	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/23/16 12:57	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/23/16 12:57	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/23/16 12:57	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/23/16 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		08/23/16 12:57	1
4-Bromofluorobenzene (Surr)	93		73 - 120		08/23/16 12:57	1
Dibromofluoromethane (Surr)	99		75 - 123		08/23/16 12:57	1
Toluene-d8 (Surr)	100		80 - 120		08/23/16 12:57	1

Client Sample ID: TRIP BLANK 081816

Lab Sample ID: 480-104861-3

Date Collected: 08/18/16 00:00

Matrix: Water

Date Received: 08/22/16 09:00

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			08/23/16 13:20	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/23/16 13:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/23/16 13:20	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/23/16 13:20	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/23/16 13:20	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/23/16 13:20	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/23/16 13:20	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/16 13:20	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/23/16 13:20	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/23/16 13:20	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/23/16 13:20	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/23/16 13:20	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/16 13:20	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/23/16 13:20	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/23/16 13:20	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/23/16 13:20	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/23/16 13:20	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/23/16 13:20	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/23/16 13:20	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/23/16 13:20	1
Acetone	10	U	10	3.0	ug/L			08/23/16 13:20	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-104861-1

Client Sample ID: TRIP BLANK 081816

Lab Sample ID: 480-104861-3

Date Collected: 08/18/16 00:00

Matrix: Water

Date Received: 08/22/16 09:00

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			08/23/16 13:20	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/23/16 13:20	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/23/16 13:20	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/23/16 13:20	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/23/16 13:20	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/23/16 13:20	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/23/16 13:20	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/23/16 13:20	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/23/16 13:20	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/23/16 13:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/23/16 13:20	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/16 13:20	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/23/16 13:20	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/23/16 13:20	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/23/16 13:20	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/23/16 13:20	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/23/16 13:20	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/23/16 13:20	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/23/16 13:20	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/23/16 13:20	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/23/16 13:20	1
Styrene	1.0	U	1.0	0.73	ug/L			08/23/16 13:20	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/23/16 13:20	1
Toluene	1.0	U	1.0	0.51	ug/L			08/23/16 13:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/23/16 13:20	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/23/16 13:20	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/23/16 13:20	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/23/16 13:20	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/23/16 13:20	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/23/16 13:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		08/23/16 13:20	1
4-Bromofluorobenzene (Surr)	94		73 - 120		08/23/16 13:20	1
Dibromofluoromethane (Surr)	101		75 - 123		08/23/16 13:20	1
Toluene-d8 (Surr)	101		80 - 120		08/23/16 13:20	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-104861-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-104861-1	WELL 1-2A	98	93	97	102
480-104861-2	WELL 1-3	102	93	99	100
480-104861-3	TRIP BLANK 081816	101	94	101	101
LCS 480-317245/5	Lab Control Sample	110	95	104	102
MB 480-317245/7	Method Blank	99	93	98	100

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: 480-104861-1

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

Lab Sample ID: MB 480-317245/7

Matrix: Water

Analysis Batch: 317245

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			08/23/16 10:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/23/16 10:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/23/16 10:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/23/16 10:43	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/23/16 10:43	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/23/16 10:43	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			08/23/16 10:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/23/16 10:43	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			08/23/16 10:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/23/16 10:43	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/23/16 10:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/23/16 10:43	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/23/16 10:43	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/23/16 10:43	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			08/23/16 10:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/23/16 10:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/23/16 10:43	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/23/16 10:43	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/23/16 10:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/23/16 10:43	1
Acetone	10	U	10	3.0	ug/L			08/23/16 10:43	1
Benzene	1.0	U	1.0	0.41	ug/L			08/23/16 10:43	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/23/16 10:43	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/23/16 10:43	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/23/16 10:43	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/23/16 10:43	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/23/16 10:43	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/23/16 10:43	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/23/16 10:43	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/23/16 10:43	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/23/16 10:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/23/16 10:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/23/16 10:43	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/23/16 10:43	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/23/16 10:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/23/16 10:43	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/23/16 10:43	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/23/16 10:43	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			08/23/16 10:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/23/16 10:43	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/23/16 10:43	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/23/16 10:43	1
Styrene	1.0	U	1.0	0.73	ug/L			08/23/16 10:43	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/23/16 10:43	1
Toluene	1.0	U	1.0	0.51	ug/L			08/23/16 10:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/23/16 10:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/23/16 10:43	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/23/16 10:43	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-104861-1

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

Lab Sample ID: MB 480-317245/7

Matrix: Water

Analysis Batch: 317245

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			08/23/16 10:43	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/23/16 10:43	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/23/16 10:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		08/23/16 10:43	1
4-Bromofluorobenzene (Surr)	93		73 - 120		08/23/16 10:43	1
Dibromofluoromethane (Surr)	98		75 - 123		08/23/16 10:43	1
Toluene-d8 (Surr)	100		80 - 120		08/23/16 10:43	1

Lab Sample ID: LCS 480-317245/5

Matrix: Water

Analysis Batch: 317245

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.6		ug/L		91	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.5		ug/L		98	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.2		ug/L		101	61 - 148
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	24.0		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	25.9		ug/L		104	66 - 127
1,2,3-Trimethylbenzene	25.0	24.1		ug/L		96	78 - 120
1,2,4-Trichlorobenzene	25.0	23.8		ug/L		95	79 - 122
1,2,4-Trimethylbenzene	25.0	23.9		ug/L		96	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	23.4		ug/L		94	56 - 134
1,2-Dibromoethane	25.0	24.6		ug/L		98	77 - 120
1,2-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	23.2		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	24.7		ug/L		99	76 - 120
1,3,5-Trimethylbenzene	25.0	23.7		ug/L		95	77 - 121
1,3-Dichlorobenzene	25.0	23.8		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	23.8		ug/L		95	80 - 120
2-Butanone (MEK)	125	143		ug/L		114	57 - 140
2-Hexanone	125	135		ug/L		108	65 - 127
4-Methyl-2-pentanone (MIBK)	125	127		ug/L		102	71 - 125
Acetone	125	153		ug/L		122	56 - 142
Benzene	25.0	25.3		ug/L		101	71 - 124
Bromodichloromethane	25.0	24.2		ug/L		97	80 - 122
Bromoform	25.0	22.4		ug/L		90	61 - 132
Bromomethane	25.0	16.6		ug/L		66	55 - 144
Carbon disulfide	25.0	25.3		ug/L		101	59 - 134
Carbon tetrachloride	25.0	24.4		ug/L		98	72 - 134
Chlorobenzene	25.0	25.2		ug/L		101	80 - 120
Chloroethane	25.0	19.5		ug/L		78	69 - 136
Chloroform	25.0	23.9		ug/L		96	73 - 127
Chloromethane	25.0	25.3		ug/L		101	68 - 124
cis-1,2-Dichloroethene	25.0	24.8		ug/L		99	74 - 124

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-104861-1

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

Lab Sample ID: LCS 480-317245/5

Matrix: Water

Analysis Batch: 317245

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	25.0	24.7		ug/L		99	74 - 124
Cyclohexane	25.0	25.0		ug/L		100	59 - 135
Dibromochloromethane	25.0	24.3		ug/L		97	75 - 125
Dichlorodifluoromethane	25.0	21.9		ug/L		87	59 - 135
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Isopropylbenzene	25.0	24.0		ug/L		96	77 - 122
Methyl acetate	125	124		ug/L		99	74 - 133
Methyl tert-butyl ether	25.0	24.1		ug/L		96	77 - 120
Methylcyclohexane	25.0	28.0		ug/L		112	68 - 134
Methylene Chloride	25.0	26.6		ug/L		106	75 - 124
Styrene	25.0	24.3		ug/L		97	80 - 120
Tetrachloroethene	25.0	23.3		ug/L		93	74 - 122
Toluene	25.0	24.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	24.1		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	23.6		ug/L		95	80 - 120
Trichloroethene	25.0	23.9		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	27.6		ug/L		110	62 - 150
Vinyl chloride	25.0	23.2		ug/L		93	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		77 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	104		75 - 123
Toluene-d8 (Surr)	102		80 - 120

QC Association Summary

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

TestAmerica Job ID: 480-104861-1

GC/MS VOA

Analysis Batch: 317245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104861-1	WELL 1-2A	Total/NA	Water	8260C	
480-104861-2	WELL 1-3	Total/NA	Water	8260C	
480-104861-3	TRIP BLANK 081816	Total/NA	Water	8260C	
MB 480-317245/7	Method Blank	Total/NA	Water	8260C	
LCS 480-317245/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-104861-1

Client Sample ID: WELL 1-2A

Date Collected: 08/18/16 11:15

Date Received: 08/22/16 09:00

Lab Sample ID: 480-104861-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	317245	08/23/16 12:34	GVF	TAL BUF

Client Sample ID: WELL 1-3

Date Collected: 08/18/16 11:10

Date Received: 08/22/16 09:00

Lab Sample ID: 480-104861-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	317245	08/23/16 12:57	GVF	TAL BUF

Client Sample ID: TRIP BLANK 081816

Date Collected: 08/18/16 00:00

Date Received: 08/22/16 09:00

Lab Sample ID: 480-104861-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	317245	08/23/16 13:20	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: 480-104861-1

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	03-31-17

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

Method Summary

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

TestAmerica Job ID: 480-104861-1

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: 480-104861-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-104861-1	WELL 1-2A	Water	08/18/16 11:15	08/22/16 09:00
480-104861-2	WELL 1-3	Water	08/18/16 11:10	08/22/16 09:00
480-104861-3	TRIP BLANK 081816	Water	08/18/16 00:00	08/22/16 09:00

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): Lab No: 480-8f Page: 480-8f Job #: 480-104861 COC	
Due Date Requested: TAT Requested (days): STD PO #: Project 00266401.0000 WO #: Contract D007618 Project #: 48005198 SSOW#:		Analysis Requested Preservatives: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=Grab) Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8260C - (MOD) TCL list OLM04.2	
Well 1-2A Well 1-3 Trip Blank 081816		Special Instructions/Note: Total Number of containers	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III(V) Other (specify)			
Empty Kit Relinquished by:			
Relinquished by: Landis, Whalen Date/Time: 8/14/16 0800 Relinquished by: Date/Time: Relinquished by: Date/Time:		Received by: [Signature] Date/Time: 8/24/16 0910 Received by: Date/Time: Received by: Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: 2316	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-104861-1

Login Number: 104861

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

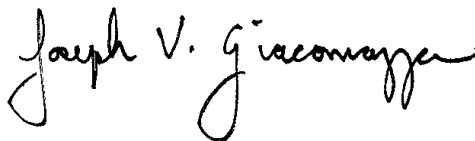
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	
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 (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	False	
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 480-106799-1

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
10/5/2016 12:55 PM

Designee for
Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
judy.stone@testamericainc.com
10/05/2016

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

TestAmerica Laboratories, Inc.

TestAmerica Buffalo 10 Hazelwood Drive, Amherst, NY 14228-2298
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Job Narrative
480-106799-1

Receipt

The samples were received on 9/30/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

GC/MS VOA

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: WELL 1-1 (480-106799-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) associated with batch 480-323329 . The following samples were affected : WELL 1-1 (480-106799-1), 4009-9 (480-106799-2), 4009-10 (480-106799-3), 4009-11 (480-106799-4), 4009-12 (480-106799-5), 4009-13 (480-106799-6), 4009-13A (480-106799-7), 4009-14 (480-106799-8), 4009-15 (480-106799-9), 4009-16 (480-106799-10) and 4009-16A (480-106799-11).

Method(s) 8260C: Due to the co-elution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) associated with batch 480-323358 . The following samples were affected : 4009-18 (480-106799-12), 4009-19 (480-106799-13), 4009-21 (480-106799-14), 4009-22 (480-106799-15), 4009-27S (480-106799-16), 4009-27D (480-106799-18), 4009-28 (480-106799-19), 4009-29S (480-106799-20), 4009-29D (480-106799-22), 4009-30 (480-106799-23), 4009-30A (480-106799-24) and 4009-11A (480-106799-25).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: 4009-29S (480-106799-20). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: DUP-2_20160929 (480-106799-27). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-323586 recovered outside control limits for the following analytes: 2-Butanone (MEK). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. 4009-27I (480-106799-17), 4009-29I (480-106799-21), DUP-1_20160929 (480-106799-26), DUP-2_20160929 (480-106799-27), FIELD BLANK (480-106799-28) and TB-20160929 (480-106799-29).

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

Definitions/Glossary

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

TestAmerica Job ID: 480-106799-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
*	MS or MSD is outside acceptance limits.

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)

Sample Summary

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

TestAmerica Job ID: 480-106799-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-106799-1	WELL 1-1	Water	09/29/16 07:35	09/30/16 09:30
480-106799-2	4009-9	Water	09/29/16 10:30	09/30/16 09:30
480-106799-3	4009-10	Water	09/29/16 10:35	09/30/16 09:30
480-106799-4	4009-11	Water	09/29/16 10:50	09/30/16 09:30
480-106799-5	4009-12	Water	09/29/16 09:35	09/30/16 09:30
480-106799-6	4009-13	Water	09/29/16 10:15	09/30/16 09:30
480-106799-7	4009-13A	Water	09/29/16 10:20	09/30/16 09:30
480-106799-8	4009-14	Water	09/29/16 08:10	09/30/16 09:30
480-106799-9	4009-15	Water	09/29/16 09:25	09/30/16 09:30
480-106799-10	4009-16	Water	09/29/16 09:05	09/30/16 09:30
480-106799-11	4009-16A	Water	09/29/16 09:10	09/30/16 09:30
480-106799-12	4009-18	Water	09/29/16 08:35	09/30/16 09:30
480-106799-13	4009-19	Water	09/29/16 08:45	09/30/16 09:30
480-106799-14	4009-21	Water	09/29/16 08:40	09/30/16 09:30
480-106799-15	4009-22	Water	09/29/16 08:05	09/30/16 09:30
480-106799-16	4009-27S	Water	09/29/16 10:00	09/30/16 09:30
480-106799-17	4009-27I	Water	09/29/16 10:05	09/30/16 09:30
480-106799-18	4009-27D	Water	09/29/16 10:10	09/30/16 09:30
480-106799-19	4009-28	Water	09/29/16 07:50	09/30/16 09:30
480-106799-20	4009-29S	Water	09/29/16 09:45	09/30/16 09:30
480-106799-21	4009-29I	Water	09/29/16 09:50	09/30/16 09:30
480-106799-22	4009-29D	Water	09/29/16 09:55	09/30/16 09:30
480-106799-23	4009-30	Water	09/29/16 09:20	09/30/16 09:30
480-106799-24	4009-30A	Water	09/29/16 09:15	09/30/16 09:30
480-106799-25	4009-11A	Water	09/29/16 10:45	09/30/16 09:30
480-106799-26	DUP-1_20160929	Water	09/29/16 00:00	09/30/16 09:30
480-106799-27	DUP-2_20160929	Water	09/29/16 00:00	09/30/16 09:30
480-106799-28	FIELD BLANK	Water	09/29/16 07:40	09/30/16 09:30
480-106799-29	TB-20160929	Water	09/29/16 00:00	09/30/16 09:30

Detection Summary

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: WELL 1-1

Lab Sample ID: 480-106799-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	310		5.0	4.1	ug/L	5		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	6.3		5.0	1.6	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	22		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	20		5.0	1.5	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	77		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	69		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: 4009-9

Lab Sample ID: 480-106799-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.7		1.0	0.41	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	22		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.57	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-10

Lab Sample ID: 480-106799-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.65	J	1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-11

Lab Sample ID: 480-106799-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	87		1.0	0.82	ug/L	1		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	1.2		1.0	0.31	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	21		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	5.4		1.0	0.29	ug/L	1		8260C	Total/NA
Benzene	1.3		1.0	0.41	ug/L	1		8260C	Total/NA
Chloroethane	1.8		1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	15		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	17		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-12

Lab Sample ID: 480-106799-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.4		1.0	0.38	ug/L	1		8260C	Total/NA
Benzene	8.7		1.0	0.41	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.0		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.55	J	1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-13

Lab Sample ID: 480-106799-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.9		1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-13A

Lab Sample ID: 480-106799-7

No Detections.

Client Sample ID: 4009-14

Lab Sample ID: 480-106799-8

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: 480-106799-1

Client Sample ID: 4009-14 (Continued)

Lab Sample ID: 480-106799-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	15		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	0.55	J	1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-15

Lab Sample ID: 480-106799-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.3	J	10	3.0	ug/L	1		8260C	Total/NA
Benzene	7.8		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	0.61	J	1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-16

Lab Sample ID: 480-106799-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8.0		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	0.69	J	1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-16A

Lab Sample ID: 480-106799-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.4		1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-18

Lab Sample ID: 480-106799-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.47	J	1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-19

Lab Sample ID: 480-106799-13

No Detections.

Client Sample ID: 4009-21

Lab Sample ID: 480-106799-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	21		1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-22

Lab Sample ID: 480-106799-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.3		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	0.90	J	1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-27S

Lab Sample ID: 480-106799-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	54		1.0	0.82	ug/L	1		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	2.4		1.0	0.31	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.0		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	4.9		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	20		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	22		1.0	0.46	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: 480-106799-1

Client Sample ID: 4009-27I

Lab Sample ID: 480-106799-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.6		1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-27D

Lab Sample ID: 480-106799-18

No Detections.

Client Sample ID: 4009-28

Lab Sample ID: 480-106799-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.5		1.0	0.82	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-29S

Lab Sample ID: 480-106799-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	430		20	16	ug/L	20		8260C	Total/NA
1,1-Dichloroethane	52		20	7.6	ug/L	20		8260C	Total/NA
1,1-Dichloroethene	27		20	5.8	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	200		20	16	ug/L	20		8260C	Total/NA
Vinyl chloride	95		20	18	ug/L	20		8260C	Total/NA

Client Sample ID: 4009-29I

Lab Sample ID: 480-106799-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.4		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.9		1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	5.6	J	10	3.0	ug/L	1		8260C	Total/NA
Benzene	75		1.0	0.41	ug/L	1		8260C	Total/NA
Carbon disulfide	0.35	J	1.0	0.19	ug/L	1		8260C	Total/NA
Chloroethane	51		1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	45		1.0	0.81	ug/L	1		8260C	Total/NA
Toluene	2.2		1.0	0.51	ug/L	1		8260C	Total/NA
Trichloroethene	3.5		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	2.0		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-29D

Lab Sample ID: 480-106799-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	14		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	3.7		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.1		1.0	0.29	ug/L	1		8260C	Total/NA
Chloroethane	2.0		1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	5.4		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	1.8		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	6.5		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-30

Lab Sample ID: 480-106799-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.52	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	4.9	J	10	3.0	ug/L	1		8260C	Total/NA
Benzene	0.56	J	1.0	0.41	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: 480-106799-1

Client Sample ID: 4009-30A

Lab Sample ID: 480-106799-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.51	J	1.0	0.38	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-11A

Lab Sample ID: 480-106799-25

No Detections.

Client Sample ID: DUP-1_20160929

Lab Sample ID: 480-106799-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.5		1.0	0.38	ug/L	1		8260C	Total/NA
Benzene	9.2		1.0	0.41	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.61	J	1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: DUP-2_20160929

Lab Sample ID: 480-106799-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.5		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.7	J	2.0	0.58	ug/L	2		8260C	Total/NA
Acetone	6.2	J	20	6.0	ug/L	2		8260C	Total/NA
Benzene	75		2.0	0.82	ug/L	2		8260C	Total/NA
Chloroethane	49		2.0	0.64	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	45		2.0	1.6	ug/L	2		8260C	Total/NA
Toluene	2.0		2.0	1.0	ug/L	2		8260C	Total/NA
Trichloroethene	3.4		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-106799-28

No Detections.

Client Sample ID: TB-20160929

Lab Sample ID: 480-106799-29

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: 480-106799-1

Client Sample ID: WELL 1-1

Date Collected: 09/29/16 07:35

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-1

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	310		5.0	4.1	ug/L			10/01/16 02:40	5
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1.1	ug/L			10/01/16 02:40	5
1,1,2-Trichloro-1,2,2-trifluoroethane	6.3		5.0	1.6	ug/L			10/01/16 02:40	5
1,1,2-Trichloroethane	5.0	U	5.0	1.2	ug/L			10/01/16 02:40	5
1,1-Dichloroethane	22		5.0	1.9	ug/L			10/01/16 02:40	5
1,1-Dichloroethene	20		5.0	1.5	ug/L			10/01/16 02:40	5
1,2,3-Trimethylbenzene	5.0	U	5.0	1.3	ug/L			10/01/16 02:40	5
1,2,4-Trichlorobenzene	5.0	U	5.0	2.1	ug/L			10/01/16 02:40	5
1,2,4-Trimethylbenzene	5.0	U	5.0	3.8	ug/L			10/01/16 02:40	5
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.0	ug/L			10/01/16 02:40	5
1,2-Dibromoethane	5.0	U	5.0	3.7	ug/L			10/01/16 02:40	5
1,2-Dichlorobenzene	5.0	U	5.0	4.0	ug/L			10/01/16 02:40	5
1,2-Dichloroethane	5.0	U	5.0	1.1	ug/L			10/01/16 02:40	5
1,2-Dichloropropane	5.0	U	5.0	3.6	ug/L			10/01/16 02:40	5
1,3,5-Trimethylbenzene	5.0	U	5.0	3.9	ug/L			10/01/16 02:40	5
1,3-Dichlorobenzene	5.0	U	5.0	3.9	ug/L			10/01/16 02:40	5
1,4-Dichlorobenzene	5.0	U	5.0	4.2	ug/L			10/01/16 02:40	5
2-Butanone (MEK)	50	U *	50	6.6	ug/L			10/01/16 02:40	5
2-Hexanone	25	U	25	6.2	ug/L			10/01/16 02:40	5
4-Methyl-2-pentanone (MIBK)	25	U	25	11	ug/L			10/01/16 02:40	5
Acetone	50	U	50	15	ug/L			10/01/16 02:40	5
Benzene	5.0	U	5.0	2.1	ug/L			10/01/16 02:40	5
Bromodichloromethane	5.0	U	5.0	2.0	ug/L			10/01/16 02:40	5
Bromoform	5.0	U	5.0	1.3	ug/L			10/01/16 02:40	5
Bromomethane	5.0	U	5.0	3.5	ug/L			10/01/16 02:40	5
Carbon disulfide	5.0	U	5.0	0.95	ug/L			10/01/16 02:40	5
Carbon tetrachloride	5.0	U	5.0	1.4	ug/L			10/01/16 02:40	5
Chlorobenzene	5.0	U	5.0	3.8	ug/L			10/01/16 02:40	5
Chloroethane	5.0	U	5.0	1.6	ug/L			10/01/16 02:40	5
Chloroform	5.0	U	5.0	1.7	ug/L			10/01/16 02:40	5
Chloromethane	5.0	U	5.0	1.8	ug/L			10/01/16 02:40	5
cis-1,2-Dichloroethene	77		5.0	4.1	ug/L			10/01/16 02:40	5
cis-1,3-Dichloropropene	5.0	U	5.0	1.8	ug/L			10/01/16 02:40	5
Cyclohexane	5.0	U	5.0	0.90	ug/L			10/01/16 02:40	5
Dibromochloromethane	5.0	U	5.0	1.6	ug/L			10/01/16 02:40	5
Dichlorodifluoromethane	5.0	U	5.0	3.4	ug/L			10/01/16 02:40	5
Ethylbenzene	5.0	U	5.0	3.7	ug/L			10/01/16 02:40	5
Isopropylbenzene	5.0	U	5.0	4.0	ug/L			10/01/16 02:40	5
Methyl acetate	13	U	13	6.5	ug/L			10/01/16 02:40	5
Methyl tert-butyl ether	5.0	U	5.0	0.80	ug/L			10/01/16 02:40	5
Methylcyclohexane	5.0	U	5.0	0.80	ug/L			10/01/16 02:40	5
Methylene Chloride	5.0	U	5.0	2.2	ug/L			10/01/16 02:40	5
Styrene	5.0	U	5.0	3.7	ug/L			10/01/16 02:40	5
Tetrachloroethene	5.0	U	5.0	1.8	ug/L			10/01/16 02:40	5
Toluene	5.0	U	5.0	2.6	ug/L			10/01/16 02:40	5
trans-1,2-Dichloroethene	5.0	U	5.0	4.5	ug/L			10/01/16 02:40	5
trans-1,3-Dichloropropene	5.0	U	5.0	1.9	ug/L			10/01/16 02:40	5
Trichloroethene	69		5.0	2.3	ug/L			10/01/16 02:40	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: WELL 1-1

Date Collected: 09/29/16 07:35

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	5.0	U	5.0	4.4	ug/L			10/01/16 02:40	5
Vinyl chloride	5.0	U	5.0	4.5	ug/L			10/01/16 02:40	5
Xylenes, Total	10	U	10	3.3	ug/L			10/01/16 02:40	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		77 - 120		10/01/16 02:40	5
4-Bromofluorobenzene (Surr)	103		73 - 120		10/01/16 02:40	5
Dibromofluoromethane (Surr)	93		75 - 123		10/01/16 02:40	5
Toluene-d8 (Surr)	90		80 - 120		10/01/16 02:40	5

Client Sample ID: 4009-9

Date Collected: 09/29/16 10:30

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-2

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			10/01/16 03:08	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 03:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 03:08	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 03:08	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 03:08	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 03:08	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 03:08	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 03:08	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 03:08	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 03:08	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 03:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 03:08	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 03:08	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 03:08	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 03:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 03:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 03:08	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 03:08	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 03:08	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 03:08	1
Acetone	10	U	10	3.0	ug/L			10/01/16 03:08	1
Benzene	3.7		1.0	0.41	ug/L			10/01/16 03:08	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 03:08	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 03:08	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 03:08	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 03:08	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 03:08	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 03:08	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 03:08	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 03:08	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 03:08	1
cis-1,2-Dichloroethene	22		1.0	0.81	ug/L			10/01/16 03:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 03:08	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 03:08	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-9

Date Collected: 09/29/16 10:30

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 03:08	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 03:08	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 03:08	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 03:08	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 03:08	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 03:08	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 03:08	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 03:08	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 03:08	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 03:08	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 03:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 03:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 03:08	1
Trichloroethene	0.57	J	1.0	0.46	ug/L			10/01/16 03:08	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 03:08	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 03:08	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 03:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		10/01/16 03:08	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/01/16 03:08	1
Dibromofluoromethane (Surr)	95		75 - 123		10/01/16 03:08	1
Toluene-d8 (Surr)	87		80 - 120		10/01/16 03:08	1

Client Sample ID: 4009-10

Date Collected: 09/29/16 10:35

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-3

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			10/01/16 03:35	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 03:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 03:35	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 03:35	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 03:35	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 03:35	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 03:35	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 03:35	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 03:35	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 03:35	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 03:35	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 03:35	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 03:35	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 03:35	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 03:35	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 03:35	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 03:35	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 03:35	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 03:35	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 03:35	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-10

Date Collected: 09/29/16 10:35

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.0	ug/L			10/01/16 03:35	1
Benzene	0.65	J	1.0	0.41	ug/L			10/01/16 03:35	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 03:35	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 03:35	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 03:35	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 03:35	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 03:35	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 03:35	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 03:35	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 03:35	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 03:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 03:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 03:35	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 03:35	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 03:35	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 03:35	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 03:35	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 03:35	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 03:35	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 03:35	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 03:35	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 03:35	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 03:35	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 03:35	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 03:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 03:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 03:35	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 03:35	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 03:35	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 03:35	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 03:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		10/01/16 03:35	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/01/16 03:35	1
Dibromofluoromethane (Surr)	95		75 - 123		10/01/16 03:35	1
Toluene-d8 (Surr)	88		80 - 120		10/01/16 03:35	1

Client Sample ID: 4009-11

Date Collected: 09/29/16 10:50

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-4

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	87		1.0	0.82	ug/L			10/01/16 04:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 04:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.2		1.0	0.31	ug/L			10/01/16 04:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 04:02	1
1,1-Dichloroethane	21		1.0	0.38	ug/L			10/01/16 04:02	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-11

Date Collected: 09/29/16 10:50

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	5.4		1.0	0.29	ug/L			10/01/16 04:02	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 04:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 04:02	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 04:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 04:02	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 04:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 04:02	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 04:02	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 04:02	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 04:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 04:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 04:02	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 04:02	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 04:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 04:02	1
Acetone	10	U	10	3.0	ug/L			10/01/16 04:02	1
Benzene	1.3		1.0	0.41	ug/L			10/01/16 04:02	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 04:02	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 04:02	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 04:02	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 04:02	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 04:02	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 04:02	1
Chloroethane	1.8		1.0	0.32	ug/L			10/01/16 04:02	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 04:02	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 04:02	1
cis-1,2-Dichloroethene	15		1.0	0.81	ug/L			10/01/16 04:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 04:02	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 04:02	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 04:02	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 04:02	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 04:02	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 04:02	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 04:02	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 04:02	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 04:02	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 04:02	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 04:02	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 04:02	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 04:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 04:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 04:02	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 04:02	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 04:02	1
Vinyl chloride	17		1.0	0.90	ug/L			10/01/16 04:02	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120		10/01/16 04:02	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/01/16 04:02	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-11

Date Collected: 09/29/16 10:50

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-4

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	94		75 - 123		10/01/16 04:02	1
Toluene-d8 (Surr)	89		80 - 120		10/01/16 04:02	1

Client Sample ID: 4009-12

Date Collected: 09/29/16 09:35

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-5

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			10/01/16 04:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 04:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 04:29	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 04:29	1
1,1-Dichloroethane	2.4		1.0	0.38	ug/L			10/01/16 04:29	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 04:29	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 04:29	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 04:29	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 04:29	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 04:29	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 04:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 04:29	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 04:29	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 04:29	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 04:29	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 04:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 04:29	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 04:29	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 04:29	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 04:29	1
Acetone	10	U	10	3.0	ug/L			10/01/16 04:29	1
Benzene	8.7		1.0	0.41	ug/L			10/01/16 04:29	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 04:29	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 04:29	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 04:29	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 04:29	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 04:29	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 04:29	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 04:29	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 04:29	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 04:29	1
cis-1,2-Dichloroethene	1.0		1.0	0.81	ug/L			10/01/16 04:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 04:29	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 04:29	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 04:29	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 04:29	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 04:29	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 04:29	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 04:29	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 04:29	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-12

Date Collected: 09/29/16 09:35

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-5

Matrix: Water

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			10/01/16 04:29	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 04:29	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 04:29	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 04:29	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 04:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 04:29	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 04:29	1
Trichloroethene	0.55	J	1.0	0.46	ug/L			10/01/16 04:29	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 04:29	1
Vinyl chloride	1.1		1.0	0.90	ug/L			10/01/16 04:29	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 04:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		10/01/16 04:29	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/01/16 04:29	1
Dibromofluoromethane (Surr)	95		75 - 123		10/01/16 04:29	1
Toluene-d8 (Surr)	89		80 - 120		10/01/16 04:29	1

Client Sample ID: 4009-13

Date Collected: 09/29/16 10:15

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-6

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			10/01/16 04:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 04:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 04:56	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 04:56	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 04:56	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 04:56	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 04:56	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 04:56	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 04:56	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 04:56	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 04:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 04:56	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 04:56	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 04:56	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 04:56	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 04:56	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 04:56	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 04:56	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 04:56	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 04:56	1
Acetone	10	U	10	3.0	ug/L			10/01/16 04:56	1
Benzene	1.9		1.0	0.41	ug/L			10/01/16 04:56	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 04:56	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 04:56	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 04:56	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 04:56	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-13

Date Collected: 09/29/16 10:15

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-6

Matrix: Water

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			10/01/16 04:56	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 04:56	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 04:56	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 04:56	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 04:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 04:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 04:56	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 04:56	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 04:56	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 04:56	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 04:56	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 04:56	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 04:56	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 04:56	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 04:56	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 04:56	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 04:56	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 04:56	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 04:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 04:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 04:56	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 04:56	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 04:56	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 04:56	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 04:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		10/01/16 04:56	1
4-Bromofluorobenzene (Surr)	103		73 - 120		10/01/16 04:56	1
Dibromofluoromethane (Surr)	93		75 - 123		10/01/16 04:56	1
Toluene-d8 (Surr)	89		80 - 120		10/01/16 04:56	1

Client Sample ID: 4009-13A

Date Collected: 09/29/16 10:20

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-7

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			10/01/16 05:24	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 05:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 05:24	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 05:24	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 05:24	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 05:24	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 05:24	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 05:24	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 05:24	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 05:24	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 05:24	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 05:24	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-13A

Lab Sample ID: 480-106799-7

Date Collected: 09/29/16 10:20

Matrix: Water

Date Received: 09/30/16 09:30

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			10/01/16 05:24	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 05:24	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 05:24	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 05:24	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 05:24	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 05:24	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 05:24	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 05:24	1
Acetone	10	U	10	3.0	ug/L			10/01/16 05:24	1
Benzene	1.0	U	1.0	0.41	ug/L			10/01/16 05:24	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 05:24	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 05:24	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 05:24	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 05:24	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 05:24	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 05:24	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 05:24	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 05:24	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 05:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 05:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 05:24	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 05:24	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 05:24	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 05:24	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 05:24	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 05:24	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 05:24	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 05:24	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 05:24	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 05:24	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 05:24	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 05:24	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 05:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 05:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 05:24	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 05:24	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 05:24	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 05:24	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120		10/01/16 05:24	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/01/16 05:24	1
Dibromofluoromethane (Surr)	94		75 - 123		10/01/16 05:24	1
Toluene-d8 (Surr)	89		80 - 120		10/01/16 05:24	1

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-14

Date Collected: 09/29/16 08:10

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-8

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			10/01/16 05:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 05:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 05:51	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 05:51	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 05:51	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 05:51	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 05:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 05:51	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 05:51	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 05:51	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 05:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 05:51	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 05:51	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 05:51	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 05:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 05:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 05:51	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 05:51	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 05:51	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 05:51	1
Acetone	10	U	10	3.0	ug/L			10/01/16 05:51	1
Benzene	15		1.0	0.41	ug/L			10/01/16 05:51	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 05:51	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 05:51	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 05:51	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 05:51	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 05:51	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 05:51	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 05:51	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 05:51	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 05:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 05:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 05:51	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 05:51	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 05:51	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 05:51	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 05:51	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 05:51	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 05:51	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 05:51	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 05:51	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 05:51	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 05:51	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 05:51	1
Toluene	0.55	J	1.0	0.51	ug/L			10/01/16 05:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 05:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 05:51	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 05:51	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 05:51	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-14

Date Collected: 09/29/16 08:10

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-8

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			10/01/16 05:51	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 05:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		10/01/16 05:51	1
4-Bromofluorobenzene (Surr)	99		73 - 120		10/01/16 05:51	1
Dibromofluoromethane (Surr)	97		75 - 123		10/01/16 05:51	1
Toluene-d8 (Surr)	89		80 - 120		10/01/16 05:51	1

Client Sample ID: 4009-15

Date Collected: 09/29/16 09:25

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-9

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			10/01/16 06:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 06:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 06:18	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 06:18	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 06:18	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 06:18	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 06:18	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 06:18	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 06:18	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 06:18	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 06:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 06:18	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 06:18	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 06:18	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 06:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 06:18	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 06:18	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 06:18	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 06:18	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 06:18	1
Acetone	4.3	J	10	3.0	ug/L			10/01/16 06:18	1
Benzene	7.8		1.0	0.41	ug/L			10/01/16 06:18	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 06:18	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 06:18	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 06:18	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 06:18	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 06:18	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 06:18	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 06:18	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 06:18	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 06:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 06:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 06:18	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 06:18	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 06:18	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-15

Date Collected: 09/29/16 09:25

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-9

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			10/01/16 06:18	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 06:18	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 06:18	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 06:18	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 06:18	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 06:18	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 06:18	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 06:18	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 06:18	1
Toluene	0.61	J	1.0	0.51	ug/L			10/01/16 06:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 06:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 06:18	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 06:18	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 06:18	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 06:18	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 06:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		10/01/16 06:18	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/01/16 06:18	1
Dibromofluoromethane (Surr)	99		75 - 123		10/01/16 06:18	1
Toluene-d8 (Surr)	89		80 - 120		10/01/16 06:18	1

Client Sample ID: 4009-16

Date Collected: 09/29/16 09:05

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-10

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			10/01/16 06:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 06:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 06:45	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 06:45	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 06:45	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 06:45	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 06:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 06:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 06:45	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 06:45	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 06:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 06:45	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 06:45	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 06:45	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 06:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 06:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 06:45	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 06:45	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 06:45	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 06:45	1
Acetone	10	U	10	3.0	ug/L			10/01/16 06:45	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-16

Date Collected: 09/29/16 09:05

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	8.0		1.0	0.41	ug/L			10/01/16 06:45	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 06:45	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 06:45	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 06:45	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 06:45	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 06:45	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 06:45	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 06:45	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 06:45	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 06:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 06:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 06:45	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 06:45	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 06:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 06:45	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 06:45	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 06:45	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 06:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 06:45	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 06:45	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 06:45	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 06:45	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 06:45	1
Toluene	0.69 J		1.0	0.51	ug/L			10/01/16 06:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 06:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 06:45	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 06:45	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 06:45	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 06:45	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 06:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		10/01/16 06:45	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/01/16 06:45	1
Dibromofluoromethane (Surr)	97		75 - 123		10/01/16 06:45	1
Toluene-d8 (Surr)	91		80 - 120		10/01/16 06:45	1

Client Sample ID: 4009-16A

Date Collected: 09/29/16 09:10

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-11

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			10/01/16 07:12	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 07:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 07:12	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 07:12	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 07:12	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 07:12	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 07:12	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-16A

Date Collected: 09/29/16 09:10

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-11

Matrix: Water

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			10/01/16 07:12	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 07:12	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 07:12	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 07:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 07:12	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 07:12	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 07:12	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 07:12	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 07:12	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 07:12	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 07:12	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 07:12	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 07:12	1
Acetone	10	U	10	3.0	ug/L			10/01/16 07:12	1
Benzene	1.4		1.0	0.41	ug/L			10/01/16 07:12	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 07:12	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 07:12	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 07:12	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 07:12	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 07:12	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 07:12	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 07:12	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 07:12	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 07:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 07:12	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 07:12	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 07:12	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 07:12	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 07:12	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 07:12	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 07:12	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 07:12	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 07:12	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 07:12	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 07:12	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 07:12	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 07:12	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 07:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 07:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 07:12	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 07:12	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 07:12	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 07:12	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 07:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		10/01/16 07:12	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/01/16 07:12	1
Dibromofluoromethane (Surr)	98		75 - 123		10/01/16 07:12	1
Toluene-d8 (Surr)	90		80 - 120		10/01/16 07:12	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-18

Date Collected: 09/29/16 08:35

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-12

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			10/01/16 12:46	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 12:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 12:46	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 12:46	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 12:46	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 12:46	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 12:46	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 12:46	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 12:46	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 12:46	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 12:46	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 12:46	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 12:46	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 12:46	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 12:46	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 12:46	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 12:46	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 12:46	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 12:46	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 12:46	1
Acetone	10	U	10	3.0	ug/L			10/01/16 12:46	1
Benzene	0.47	J	1.0	0.41	ug/L			10/01/16 12:46	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 12:46	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 12:46	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 12:46	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 12:46	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 12:46	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 12:46	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 12:46	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 12:46	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 12:46	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 12:46	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 12:46	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 12:46	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 12:46	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 12:46	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 12:46	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 12:46	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 12:46	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 12:46	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 12:46	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 12:46	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 12:46	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 12:46	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 12:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 12:46	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 12:46	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 12:46	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 12:46	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-18

Date Collected: 09/29/16 08:35

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-12

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			10/01/16 12:46	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120		10/01/16 12:46	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/01/16 12:46	1
Dibromofluoromethane (Surr)	95		75 - 123		10/01/16 12:46	1
Toluene-d8 (Surr)	88		80 - 120		10/01/16 12:46	1

Client Sample ID: 4009-19

Date Collected: 09/29/16 08:45

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-13

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			10/01/16 13:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 13:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 13:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 13:13	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 13:13	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 13:13	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 13:13	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 13:13	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 13:13	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 13:13	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 13:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 13:13	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 13:13	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 13:13	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 13:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 13:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 13:13	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 13:13	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 13:13	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 13:13	1
Acetone	10	U	10	3.0	ug/L			10/01/16 13:13	1
Benzene	1.0	U	1.0	0.41	ug/L			10/01/16 13:13	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 13:13	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 13:13	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 13:13	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 13:13	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 13:13	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 13:13	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 13:13	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 13:13	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 13:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 13:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 13:13	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 13:13	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 13:13	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-19

Date Collected: 09/29/16 08:45

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-13

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			10/01/16 13:13	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 13:13	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 13:13	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 13:13	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 13:13	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 13:13	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 13:13	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 13:13	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 13:13	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 13:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 13:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 13:13	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 13:13	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 13:13	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 13:13	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		10/01/16 13:13	1
4-Bromofluorobenzene (Surr)	103		73 - 120		10/01/16 13:13	1
Dibromofluoromethane (Surr)	97		75 - 123		10/01/16 13:13	1
Toluene-d8 (Surr)	88		80 - 120		10/01/16 13:13	1

Client Sample ID: 4009-21

Date Collected: 09/29/16 08:40

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-14

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			10/01/16 13:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 13:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 13:40	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 13:40	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 13:40	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 13:40	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 13:40	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 13:40	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 13:40	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 13:40	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 13:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 13:40	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 13:40	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 13:40	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 13:40	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 13:40	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 13:40	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 13:40	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 13:40	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 13:40	1
Acetone	10	U	10	3.0	ug/L			10/01/16 13:40	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-21

Date Collected: 09/29/16 08:40

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	21		1.0	0.41	ug/L			10/01/16 13:40	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 13:40	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 13:40	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 13:40	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 13:40	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 13:40	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 13:40	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 13:40	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 13:40	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 13:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 13:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 13:40	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 13:40	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 13:40	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 13:40	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 13:40	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 13:40	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 13:40	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 13:40	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 13:40	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 13:40	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 13:40	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 13:40	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 13:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 13:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 13:40	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 13:40	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 13:40	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 13:40	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 13:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		10/01/16 13:40	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/01/16 13:40	1
Dibromofluoromethane (Surr)	91		75 - 123		10/01/16 13:40	1
Toluene-d8 (Surr)	87		80 - 120		10/01/16 13:40	1

Client Sample ID: 4009-22

Date Collected: 09/29/16 08:05

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-15

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			10/01/16 14:07	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 14:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 14:07	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 14:07	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 14:07	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 14:07	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 14:07	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-22

Date Collected: 09/29/16 08:05

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-15

Matrix: Water

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			10/01/16 14:07	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 14:07	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 14:07	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 14:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 14:07	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 14:07	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 14:07	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 14:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 14:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 14:07	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 14:07	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 14:07	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 14:07	1
Acetone	10	U	10	3.0	ug/L			10/01/16 14:07	1
Benzene	1.3		1.0	0.41	ug/L			10/01/16 14:07	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 14:07	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 14:07	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 14:07	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 14:07	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 14:07	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 14:07	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 14:07	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 14:07	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 14:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 14:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 14:07	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 14:07	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 14:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 14:07	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 14:07	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 14:07	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 14:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 14:07	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 14:07	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 14:07	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 14:07	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 14:07	1
Toluene	0.90	J	1.0	0.51	ug/L			10/01/16 14:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 14:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 14:07	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 14:07	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 14:07	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 14:07	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 14:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120		10/01/16 14:07	1
4-Bromofluorobenzene (Surr)	104		73 - 120		10/01/16 14:07	1
Dibromofluoromethane (Surr)	97		75 - 123		10/01/16 14:07	1
Toluene-d8 (Surr)	88		80 - 120		10/01/16 14:07	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-27S

Lab Sample ID: 480-106799-16

Date Collected: 09/29/16 10:00

Matrix: Water

Date Received: 09/30/16 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	54		1.0	0.82	ug/L			10/01/16 14:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 14:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	2.4		1.0	0.31	ug/L			10/01/16 14:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 14:34	1
1,1-Dichloroethane	2.0		1.0	0.38	ug/L			10/01/16 14:34	1
1,1-Dichloroethene	4.9		1.0	0.29	ug/L			10/01/16 14:34	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 14:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 14:34	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 14:34	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 14:34	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 14:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 14:34	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 14:34	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 14:34	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 14:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 14:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 14:34	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 14:34	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 14:34	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 14:34	1
Acetone	10	U	10	3.0	ug/L			10/01/16 14:34	1
Benzene	1.0	U	1.0	0.41	ug/L			10/01/16 14:34	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 14:34	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 14:34	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 14:34	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 14:34	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 14:34	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 14:34	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 14:34	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 14:34	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 14:34	1
cis-1,2-Dichloroethene	20		1.0	0.81	ug/L			10/01/16 14:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 14:34	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 14:34	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 14:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 14:34	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 14:34	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 14:34	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 14:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 14:34	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 14:34	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 14:34	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 14:34	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 14:34	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 14:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 14:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 14:34	1
Trichloroethene	22		1.0	0.46	ug/L			10/01/16 14:34	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-27S

Date Collected: 09/29/16 10:00

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 14:34	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 14:34	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120		10/01/16 14:34	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/01/16 14:34	1
Dibromofluoromethane (Surr)	93		75 - 123		10/01/16 14:34	1
Toluene-d8 (Surr)	88		80 - 120		10/01/16 14:34	1

Client Sample ID: 4009-27I

Date Collected: 09/29/16 10:05

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-17

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			10/03/16 21:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/03/16 21:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/03/16 21:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/03/16 21:27	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/03/16 21:27	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/03/16 21:27	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/03/16 21:27	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/03/16 21:27	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/03/16 21:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/03/16 21:27	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/03/16 21:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/03/16 21:27	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/03/16 21:27	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/03/16 21:27	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/03/16 21:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/03/16 21:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/03/16 21:27	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/03/16 21:27	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/03/16 21:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/03/16 21:27	1
Acetone	10	U	10	3.0	ug/L			10/03/16 21:27	1
Benzene	4.6		1.0	0.41	ug/L			10/03/16 21:27	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/03/16 21:27	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/03/16 21:27	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/03/16 21:27	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/03/16 21:27	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/03/16 21:27	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/03/16 21:27	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/03/16 21:27	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/03/16 21:27	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/03/16 21:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/03/16 21:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/03/16 21:27	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/03/16 21:27	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-27I

Date Collected: 09/29/16 10:05

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/03/16 21:27	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/03/16 21:27	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/03/16 21:27	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/03/16 21:27	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/03/16 21:27	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/03/16 21:27	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/03/16 21:27	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/03/16 21:27	1
Styrene	1.0	U	1.0	0.73	ug/L			10/03/16 21:27	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/03/16 21:27	1
Toluene	1.0	U	1.0	0.51	ug/L			10/03/16 21:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/03/16 21:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/03/16 21:27	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/03/16 21:27	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/03/16 21:27	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/03/16 21:27	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/03/16 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		10/03/16 21:27	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/03/16 21:27	1
Dibromofluoromethane (Surr)	95		75 - 123		10/03/16 21:27	1
Toluene-d8 (Surr)	86		80 - 120		10/03/16 21:27	1

Client Sample ID: 4009-27D

Date Collected: 09/29/16 10:10

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-18

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			10/01/16 15:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 15:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 15:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 15:01	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 15:01	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 15:01	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 15:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 15:01	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 15:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 15:01	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 15:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 15:01	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 15:01	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 15:01	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 15:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 15:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 15:01	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 15:01	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 15:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 15:01	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-27D

Lab Sample ID: 480-106799-18

Date Collected: 09/29/16 10:10

Matrix: Water

Date Received: 09/30/16 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	3.0	ug/L			10/01/16 15:01	1
Benzene	1.0	U	1.0	0.41	ug/L			10/01/16 15:01	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 15:01	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 15:01	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 15:01	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 15:01	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 15:01	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 15:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 15:01	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 15:01	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 15:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 15:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 15:01	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 15:01	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 15:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 15:01	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 15:01	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 15:01	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 15:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 15:01	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 15:01	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 15:01	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 15:01	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 15:01	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 15:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 15:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 15:01	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 15:01	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 15:01	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 15:01	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		10/01/16 15:01	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/01/16 15:01	1
Dibromofluoromethane (Surr)	93		75 - 123		10/01/16 15:01	1
Toluene-d8 (Surr)	88		80 - 120		10/01/16 15:01	1

Client Sample ID: 4009-28

Lab Sample ID: 480-106799-19

Date Collected: 09/29/16 07:50

Matrix: Water

Date Received: 09/30/16 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.5		1.0	0.82	ug/L			10/01/16 15:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 15:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 15:29	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 15:29	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 15:29	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 15:29	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-28

Date Collected: 09/29/16 07:50

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-19

Matrix: Water

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			10/01/16 15:29	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 15:29	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 15:29	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 15:29	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 15:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 15:29	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 15:29	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 15:29	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 15:29	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 15:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 15:29	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 15:29	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 15:29	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 15:29	1
Acetone	10	U	10	3.0	ug/L			10/01/16 15:29	1
Benzene	1.0	U	1.0	0.41	ug/L			10/01/16 15:29	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 15:29	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 15:29	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 15:29	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 15:29	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 15:29	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 15:29	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 15:29	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 15:29	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 15:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 15:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 15:29	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 15:29	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 15:29	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 15:29	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 15:29	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 15:29	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 15:29	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 15:29	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 15:29	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 15:29	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 15:29	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 15:29	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 15:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 15:29	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 15:29	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 15:29	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 15:29	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 15:29	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		10/01/16 15:29	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/01/16 15:29	1
Dibromofluoromethane (Surr)	95		75 - 123		10/01/16 15:29	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-28

Date Collected: 09/29/16 07:50

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-19

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		80 - 120		10/01/16 15:29	1

Client Sample ID: 4009-29S

Date Collected: 09/29/16 09:45

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-20

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	430		20	16	ug/L			10/01/16 15:56	20
1,1,2,2-Tetrachloroethane	20	U	20	4.2	ug/L			10/01/16 15:56	20
1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	20	6.2	ug/L			10/01/16 15:56	20
1,1,2-Trichloroethane	20	U	20	4.6	ug/L			10/01/16 15:56	20
1,1-Dichloroethane	52		20	7.6	ug/L			10/01/16 15:56	20
1,1-Dichloroethene	27		20	5.8	ug/L			10/01/16 15:56	20
1,2,3-Trimethylbenzene	20	U	20	5.2	ug/L			10/01/16 15:56	20
1,2,4-Trichlorobenzene	20	U	20	8.2	ug/L			10/01/16 15:56	20
1,2,4-Trimethylbenzene	20	U	20	15	ug/L			10/01/16 15:56	20
1,2-Dibromo-3-Chloropropane	20	U	20	7.8	ug/L			10/01/16 15:56	20
1,2-Dibromoethane	20	U	20	15	ug/L			10/01/16 15:56	20
1,2-Dichlorobenzene	20	U	20	16	ug/L			10/01/16 15:56	20
1,2-Dichloroethane	20	U	20	4.2	ug/L			10/01/16 15:56	20
1,2-Dichloropropane	20	U	20	14	ug/L			10/01/16 15:56	20
1,3,5-Trimethylbenzene	20	U	20	15	ug/L			10/01/16 15:56	20
1,3-Dichlorobenzene	20	U	20	16	ug/L			10/01/16 15:56	20
1,4-Dichlorobenzene	20	U	20	17	ug/L			10/01/16 15:56	20
2-Butanone (MEK)	200	U *	200	26	ug/L			10/01/16 15:56	20
2-Hexanone	100	U	100	25	ug/L			10/01/16 15:56	20
4-Methyl-2-pentanone (MIBK)	100	U	100	42	ug/L			10/01/16 15:56	20
Acetone	200	U	200	60	ug/L			10/01/16 15:56	20
Benzene	20	U	20	8.2	ug/L			10/01/16 15:56	20
Bromodichloromethane	20	U	20	7.8	ug/L			10/01/16 15:56	20
Bromoform	20	U	20	5.2	ug/L			10/01/16 15:56	20
Bromomethane	20	U	20	14	ug/L			10/01/16 15:56	20
Carbon disulfide	20	U	20	3.8	ug/L			10/01/16 15:56	20
Carbon tetrachloride	20	U	20	5.4	ug/L			10/01/16 15:56	20
Chlorobenzene	20	U	20	15	ug/L			10/01/16 15:56	20
Chloroethane	20	U	20	6.4	ug/L			10/01/16 15:56	20
Chloroform	20	U	20	6.8	ug/L			10/01/16 15:56	20
Chloromethane	20	U	20	7.0	ug/L			10/01/16 15:56	20
cis-1,2-Dichloroethene	200		20	16	ug/L			10/01/16 15:56	20
cis-1,3-Dichloropropene	20	U	20	7.2	ug/L			10/01/16 15:56	20
Cyclohexane	20	U	20	3.6	ug/L			10/01/16 15:56	20
Dibromochloromethane	20	U	20	6.4	ug/L			10/01/16 15:56	20
Dichlorodifluoromethane	20	U	20	14	ug/L			10/01/16 15:56	20
Ethylbenzene	20	U	20	15	ug/L			10/01/16 15:56	20
Isopropylbenzene	20	U	20	16	ug/L			10/01/16 15:56	20
Methyl acetate	50	U	50	26	ug/L			10/01/16 15:56	20
Methyl tert-butyl ether	20	U	20	3.2	ug/L			10/01/16 15:56	20
Methylcyclohexane	20	U	20	3.2	ug/L			10/01/16 15:56	20

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-29S

Lab Sample ID: 480-106799-20

Date Collected: 09/29/16 09:45

Matrix: Water

Date Received: 09/30/16 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	20	U	20	8.8	ug/L			10/01/16 15:56	20
Styrene	20	U	20	15	ug/L			10/01/16 15:56	20
Tetrachloroethene	20	U	20	7.2	ug/L			10/01/16 15:56	20
Toluene	20	U	20	10	ug/L			10/01/16 15:56	20
trans-1,2-Dichloroethene	20	U	20	18	ug/L			10/01/16 15:56	20
trans-1,3-Dichloropropene	20	U	20	7.4	ug/L			10/01/16 15:56	20
Trichloroethene	20	U	20	9.2	ug/L			10/01/16 15:56	20
Trichlorofluoromethane	20	U	20	18	ug/L			10/01/16 15:56	20
Vinyl chloride	95		20	18	ug/L			10/01/16 15:56	20
Xylenes, Total	40	U	40	13	ug/L			10/01/16 15:56	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		10/01/16 15:56	20
4-Bromofluorobenzene (Surr)	101		73 - 120		10/01/16 15:56	20
Dibromofluoromethane (Surr)	97		75 - 123		10/01/16 15:56	20
Toluene-d8 (Surr)	89		80 - 120		10/01/16 15:56	20

Client Sample ID: 4009-29I

Lab Sample ID: 480-106799-21

Date Collected: 09/29/16 09:50

Matrix: Water

Date Received: 09/30/16 09:30

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			10/03/16 21:55	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/03/16 21:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/03/16 21:55	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/03/16 21:55	1
1,1-Dichloroethane	4.4		1.0	0.38	ug/L			10/03/16 21:55	1
1,1-Dichloroethene	1.9		1.0	0.29	ug/L			10/03/16 21:55	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/03/16 21:55	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/03/16 21:55	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/03/16 21:55	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/03/16 21:55	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/03/16 21:55	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/03/16 21:55	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/03/16 21:55	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/03/16 21:55	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/03/16 21:55	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/03/16 21:55	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/03/16 21:55	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/03/16 21:55	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/03/16 21:55	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/03/16 21:55	1
Acetone	5.6	J	10	3.0	ug/L			10/03/16 21:55	1
Benzene	75		1.0	0.41	ug/L			10/03/16 21:55	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/03/16 21:55	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/03/16 21:55	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/03/16 21:55	1
Carbon disulfide	0.35	J	1.0	0.19	ug/L			10/03/16 21:55	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/03/16 21:55	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-29I

Date Collected: 09/29/16 09:50

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/03/16 21:55	1
Chloroethane	51		1.0	0.32	ug/L			10/03/16 21:55	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/03/16 21:55	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/03/16 21:55	1
cis-1,2-Dichloroethene	45		1.0	0.81	ug/L			10/03/16 21:55	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/03/16 21:55	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/03/16 21:55	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/03/16 21:55	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/03/16 21:55	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/03/16 21:55	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/03/16 21:55	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/03/16 21:55	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/03/16 21:55	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/03/16 21:55	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/03/16 21:55	1
Styrene	1.0	U	1.0	0.73	ug/L			10/03/16 21:55	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/03/16 21:55	1
Toluene	2.2		1.0	0.51	ug/L			10/03/16 21:55	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/03/16 21:55	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/03/16 21:55	1
Trichloroethene	3.5		1.0	0.46	ug/L			10/03/16 21:55	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/03/16 21:55	1
Vinyl chloride	2.0		1.0	0.90	ug/L			10/03/16 21:55	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/03/16 21:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		77 - 120		10/03/16 21:55	1
4-Bromofluorobenzene (Surr)	104		73 - 120		10/03/16 21:55	1
Dibromofluoromethane (Surr)	93		75 - 123		10/03/16 21:55	1
Toluene-d8 (Surr)	87		80 - 120		10/03/16 21:55	1

Client Sample ID: 4009-29D

Date Collected: 09/29/16 09:55

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-22

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	14		1.0	0.82	ug/L			10/01/16 16:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 16:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 16:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 16:50	1
1,1-Dichloroethane	3.7		1.0	0.38	ug/L			10/01/16 16:50	1
1,1-Dichloroethene	1.1		1.0	0.29	ug/L			10/01/16 16:50	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 16:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 16:50	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 16:50	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 16:50	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 16:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 16:50	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 16:50	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-29D

Lab Sample ID: 480-106799-22

Date Collected: 09/29/16 09:55

Matrix: Water

Date Received: 09/30/16 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 16:50	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 16:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 16:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 16:50	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 16:50	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 16:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 16:50	1
Acetone	10	U	10	3.0	ug/L			10/01/16 16:50	1
Benzene	1.0	U	1.0	0.41	ug/L			10/01/16 16:50	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 16:50	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 16:50	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 16:50	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 16:50	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 16:50	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 16:50	1
Chloroethane	2.0		1.0	0.32	ug/L			10/01/16 16:50	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 16:50	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 16:50	1
cis-1,2-Dichloroethene	5.4		1.0	0.81	ug/L			10/01/16 16:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 16:50	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 16:50	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 16:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 16:50	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 16:50	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 16:50	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 16:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 16:50	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 16:50	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 16:50	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 16:50	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 16:50	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 16:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 16:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 16:50	1
Trichloroethene	1.8		1.0	0.46	ug/L			10/01/16 16:50	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 16:50	1
Vinyl chloride	6.5		1.0	0.90	ug/L			10/01/16 16:50	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		10/01/16 16:50	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/01/16 16:50	1
Dibromofluoromethane (Surr)	97		75 - 123		10/01/16 16:50	1
Toluene-d8 (Surr)	89		80 - 120		10/01/16 16:50	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-30

Date Collected: 09/29/16 09:20

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-23

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			10/01/16 17:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 17:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 17:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 17:17	1
1,1-Dichloroethane	0.52	J	1.0	0.38	ug/L			10/01/16 17:17	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 17:17	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 17:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 17:17	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 17:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 17:17	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 17:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 17:17	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 17:17	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 17:17	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 17:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 17:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 17:17	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 17:17	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 17:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 17:17	1
Acetone	4.9	J	10	3.0	ug/L			10/01/16 17:17	1
Benzene	0.56	J	1.0	0.41	ug/L			10/01/16 17:17	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 17:17	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 17:17	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 17:17	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 17:17	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 17:17	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 17:17	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 17:17	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 17:17	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 17:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 17:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 17:17	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 17:17	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 17:17	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 17:17	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 17:17	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 17:17	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 17:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 17:17	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 17:17	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 17:17	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 17:17	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 17:17	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 17:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 17:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 17:17	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 17:17	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 17:17	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-30

Date Collected: 09/29/16 09:20

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-23

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			10/01/16 17:17	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 17:17	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		77 - 120					10/01/16 17:17	1
4-Bromofluorobenzene (Surr)	100		73 - 120					10/01/16 17:17	1
Dibromofluoromethane (Surr)	95		75 - 123					10/01/16 17:17	1
Toluene-d8 (Surr)	88		80 - 120					10/01/16 17:17	1

Client Sample ID: 4009-30A

Date Collected: 09/29/16 09:15

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-24

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			10/01/16 17:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 17:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 17:45	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 17:45	1
1,1-Dichloroethane	0.51	J	1.0	0.38	ug/L			10/01/16 17:45	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 17:45	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 17:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 17:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 17:45	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 17:45	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 17:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 17:45	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 17:45	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 17:45	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 17:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 17:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 17:45	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 17:45	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 17:45	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 17:45	1
Acetone	10	U	10	3.0	ug/L			10/01/16 17:45	1
Benzene	1.0	U	1.0	0.41	ug/L			10/01/16 17:45	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 17:45	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 17:45	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 17:45	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 17:45	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 17:45	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 17:45	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 17:45	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 17:45	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 17:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 17:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 17:45	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 17:45	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 17:45	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-30A

Date Collected: 09/29/16 09:15

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-24

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			10/01/16 17:45	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 17:45	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 17:45	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 17:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 17:45	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 17:45	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 17:45	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 17:45	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 17:45	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 17:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 17:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 17:45	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 17:45	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 17:45	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 17:45	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		10/01/16 17:45	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/01/16 17:45	1
Dibromofluoromethane (Surr)	98		75 - 123		10/01/16 17:45	1
Toluene-d8 (Surr)	87		80 - 120		10/01/16 17:45	1

Client Sample ID: 4009-11A

Date Collected: 09/29/16 10:45

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-25

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			10/01/16 18:12	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 18:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 18:12	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 18:12	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 18:12	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 18:12	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 18:12	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 18:12	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 18:12	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 18:12	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 18:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 18:12	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 18:12	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 18:12	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 18:12	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 18:12	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 18:12	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/01/16 18:12	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 18:12	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 18:12	1
Acetone	10	U	10	3.0	ug/L			10/01/16 18:12	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-11A

Lab Sample ID: 480-106799-25

Date Collected: 09/29/16 10:45

Matrix: Water

Date Received: 09/30/16 09:30

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			10/01/16 18:12	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 18:12	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 18:12	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 18:12	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 18:12	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 18:12	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 18:12	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 18:12	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 18:12	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 18:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 18:12	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 18:12	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 18:12	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 18:12	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 18:12	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 18:12	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 18:12	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 18:12	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 18:12	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 18:12	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 18:12	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 18:12	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 18:12	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 18:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 18:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 18:12	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 18:12	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 18:12	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 18:12	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		10/01/16 18:12	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/01/16 18:12	1
Dibromofluoromethane (Surr)	99		75 - 123		10/01/16 18:12	1
Toluene-d8 (Surr)	88		80 - 120		10/01/16 18:12	1

Client Sample ID: DUP-1_20160929

Lab Sample ID: 480-106799-26

Date Collected: 09/29/16 00:00

Matrix: Water

Date Received: 09/30/16 09:30

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			10/03/16 22:22	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/03/16 22:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/03/16 22:22	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/03/16 22:22	1
1,1-Dichloroethane	2.5		1.0	0.38	ug/L			10/03/16 22:22	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/03/16 22:22	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/03/16 22:22	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: DUP-1_20160929

Lab Sample ID: 480-106799-26

Date Collected: 09/29/16 00:00

Matrix: Water

Date Received: 09/30/16 09:30

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			10/03/16 22:22	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/03/16 22:22	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/03/16 22:22	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/03/16 22:22	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/03/16 22:22	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/03/16 22:22	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/03/16 22:22	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/03/16 22:22	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/03/16 22:22	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/03/16 22:22	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/03/16 22:22	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/03/16 22:22	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/03/16 22:22	1
Acetone	10	U	10	3.0	ug/L			10/03/16 22:22	1
Benzene	9.2		1.0	0.41	ug/L			10/03/16 22:22	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/03/16 22:22	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/03/16 22:22	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/03/16 22:22	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/03/16 22:22	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/03/16 22:22	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/03/16 22:22	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/03/16 22:22	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/03/16 22:22	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/03/16 22:22	1
cis-1,2-Dichloroethene	1.2		1.0	0.81	ug/L			10/03/16 22:22	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/03/16 22:22	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/03/16 22:22	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/03/16 22:22	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/03/16 22:22	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/03/16 22:22	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/03/16 22:22	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/03/16 22:22	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/03/16 22:22	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/03/16 22:22	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/03/16 22:22	1
Styrene	1.0	U	1.0	0.73	ug/L			10/03/16 22:22	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/03/16 22:22	1
Toluene	1.0	U	1.0	0.51	ug/L			10/03/16 22:22	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/03/16 22:22	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/03/16 22:22	1
Trichloroethene	0.61	J	1.0	0.46	ug/L			10/03/16 22:22	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/03/16 22:22	1
Vinyl chloride	1.1		1.0	0.90	ug/L			10/03/16 22:22	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/03/16 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		10/03/16 22:22	1
4-Bromofluorobenzene (Surr)	103		73 - 120		10/03/16 22:22	1
Dibromofluoromethane (Surr)	94		75 - 123		10/03/16 22:22	1
Toluene-d8 (Surr)	87		80 - 120		10/03/16 22:22	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: DUP-2_20160929

Lab Sample ID: 480-106799-27

Date Collected: 09/29/16 00:00

Matrix: Water

Date Received: 09/30/16 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	1.6	ug/L			10/03/16 22:49	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.42	ug/L			10/03/16 22:49	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.62	ug/L			10/03/16 22:49	2
1,1,2-Trichloroethane	2.0	U	2.0	0.46	ug/L			10/03/16 22:49	2
1,1-Dichloroethane	4.5		2.0	0.76	ug/L			10/03/16 22:49	2
1,1-Dichloroethene	1.7	J	2.0	0.58	ug/L			10/03/16 22:49	2
1,2,3-Trimethylbenzene	2.0	U	2.0	0.52	ug/L			10/03/16 22:49	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.82	ug/L			10/03/16 22:49	2
1,2,4-Trimethylbenzene	2.0	U	2.0	1.5	ug/L			10/03/16 22:49	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.78	ug/L			10/03/16 22:49	2
1,2-Dibromoethane	2.0	U	2.0	1.5	ug/L			10/03/16 22:49	2
1,2-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			10/03/16 22:49	2
1,2-Dichloroethane	2.0	U	2.0	0.42	ug/L			10/03/16 22:49	2
1,2-Dichloropropane	2.0	U	2.0	1.4	ug/L			10/03/16 22:49	2
1,3,5-Trimethylbenzene	2.0	U	2.0	1.5	ug/L			10/03/16 22:49	2
1,3-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			10/03/16 22:49	2
1,4-Dichlorobenzene	2.0	U	2.0	1.7	ug/L			10/03/16 22:49	2
2-Butanone (MEK)	20	U *	20	2.6	ug/L			10/03/16 22:49	2
2-Hexanone	10	U	10	2.5	ug/L			10/03/16 22:49	2
4-Methyl-2-pentanone (MIBK)	10	U	10	4.2	ug/L			10/03/16 22:49	2
Acetone	6.2	J	20	6.0	ug/L			10/03/16 22:49	2
Benzene	75		2.0	0.82	ug/L			10/03/16 22:49	2
Bromodichloromethane	2.0	U	2.0	0.78	ug/L			10/03/16 22:49	2
Bromoform	2.0	U	2.0	0.52	ug/L			10/03/16 22:49	2
Bromomethane	2.0	U	2.0	1.4	ug/L			10/03/16 22:49	2
Carbon disulfide	2.0	U	2.0	0.38	ug/L			10/03/16 22:49	2
Carbon tetrachloride	2.0	U	2.0	0.54	ug/L			10/03/16 22:49	2
Chlorobenzene	2.0	U	2.0	1.5	ug/L			10/03/16 22:49	2
Chloroethane	49		2.0	0.64	ug/L			10/03/16 22:49	2
Chloroform	2.0	U	2.0	0.68	ug/L			10/03/16 22:49	2
Chloromethane	2.0	U	2.0	0.70	ug/L			10/03/16 22:49	2
cis-1,2-Dichloroethene	45		2.0	1.6	ug/L			10/03/16 22:49	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.72	ug/L			10/03/16 22:49	2
Cyclohexane	2.0	U	2.0	0.36	ug/L			10/03/16 22:49	2
Dibromochloromethane	2.0	U	2.0	0.64	ug/L			10/03/16 22:49	2
Dichlorodifluoromethane	2.0	U	2.0	1.4	ug/L			10/03/16 22:49	2
Ethylbenzene	2.0	U	2.0	1.5	ug/L			10/03/16 22:49	2
Isopropylbenzene	2.0	U	2.0	1.6	ug/L			10/03/16 22:49	2
Methyl acetate	5.0	U	5.0	2.6	ug/L			10/03/16 22:49	2
Methyl tert-butyl ether	2.0	U	2.0	0.32	ug/L			10/03/16 22:49	2
Methylcyclohexane	2.0	U	2.0	0.32	ug/L			10/03/16 22:49	2
Methylene Chloride	2.0	U	2.0	0.88	ug/L			10/03/16 22:49	2
Styrene	2.0	U	2.0	1.5	ug/L			10/03/16 22:49	2
Tetrachloroethene	2.0	U	2.0	0.72	ug/L			10/03/16 22:49	2
Toluene	2.0		2.0	1.0	ug/L			10/03/16 22:49	2
trans-1,2-Dichloroethene	2.0	U	2.0	1.8	ug/L			10/03/16 22:49	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.74	ug/L			10/03/16 22:49	2
Trichloroethene	3.4		2.0	0.92	ug/L			10/03/16 22:49	2
Trichlorofluoromethane	2.0	U	2.0	1.8	ug/L			10/03/16 22:49	2

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: DUP-2_20160929

Lab Sample ID: 480-106799-27

Date Collected: 09/29/16 00:00

Matrix: Water

Date Received: 09/30/16 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	2.0	U	2.0	1.8	ug/L			10/03/16 22:49	2
Xylenes, Total	4.0	U	4.0	1.3	ug/L			10/03/16 22:49	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		10/03/16 22:49	2
4-Bromofluorobenzene (Surr)	103		73 - 120		10/03/16 22:49	2
Dibromofluoromethane (Surr)	95		75 - 123		10/03/16 22:49	2
Toluene-d8 (Surr)	88		80 - 120		10/03/16 22:49	2

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-106799-28

Date Collected: 09/29/16 07:40

Matrix: Water

Date Received: 09/30/16 09:30

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			10/03/16 23:16	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/03/16 23:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/03/16 23:16	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/03/16 23:16	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/03/16 23:16	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/03/16 23:16	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/03/16 23:16	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/03/16 23:16	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/03/16 23:16	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/03/16 23:16	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/03/16 23:16	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/03/16 23:16	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/03/16 23:16	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/03/16 23:16	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/03/16 23:16	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/03/16 23:16	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/03/16 23:16	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/03/16 23:16	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/03/16 23:16	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/03/16 23:16	1
Acetone	10	U	10	3.0	ug/L			10/03/16 23:16	1
Benzene	1.0	U	1.0	0.41	ug/L			10/03/16 23:16	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/03/16 23:16	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/03/16 23:16	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/03/16 23:16	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/03/16 23:16	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/03/16 23:16	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/03/16 23:16	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/03/16 23:16	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/03/16 23:16	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/03/16 23:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/03/16 23:16	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/03/16 23:16	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/03/16 23:16	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/03/16 23:16	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-106799-28

Date Collected: 09/29/16 07:40

Matrix: Water

Date Received: 09/30/16 09:30

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			10/03/16 23:16	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/03/16 23:16	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/03/16 23:16	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/03/16 23:16	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/03/16 23:16	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/03/16 23:16	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/03/16 23:16	1
Styrene	1.0	U	1.0	0.73	ug/L			10/03/16 23:16	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/03/16 23:16	1
Toluene	1.0	U	1.0	0.51	ug/L			10/03/16 23:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/03/16 23:16	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/03/16 23:16	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/03/16 23:16	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/03/16 23:16	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/03/16 23:16	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/03/16 23:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		77 - 120		10/03/16 23:16	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/03/16 23:16	1
Dibromofluoromethane (Surr)	95		75 - 123		10/03/16 23:16	1
Toluene-d8 (Surr)	87		80 - 120		10/03/16 23:16	1

Client Sample ID: TB-20160929

Lab Sample ID: 480-106799-29

Date Collected: 09/29/16 00:00

Matrix: Water

Date Received: 09/30/16 09:30

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			10/03/16 23:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/03/16 23:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/03/16 23:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/03/16 23:43	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/03/16 23:43	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/03/16 23:43	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/03/16 23:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/03/16 23:43	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/03/16 23:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/03/16 23:43	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/03/16 23:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/03/16 23:43	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/03/16 23:43	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/03/16 23:43	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/03/16 23:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/03/16 23:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/03/16 23:43	1
2-Butanone (MEK)	10	U *	10	1.3	ug/L			10/03/16 23:43	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/03/16 23:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/03/16 23:43	1
Acetone	10	U	10	3.0	ug/L			10/03/16 23:43	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: TB-20160929

Lab Sample ID: 480-106799-29

Date Collected: 09/29/16 00:00

Matrix: Water

Date Received: 09/30/16 09:30

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			10/03/16 23:43	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/03/16 23:43	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/03/16 23:43	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/03/16 23:43	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/03/16 23:43	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/03/16 23:43	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/03/16 23:43	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/03/16 23:43	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/03/16 23:43	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/03/16 23:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/03/16 23:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/03/16 23:43	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/03/16 23:43	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/03/16 23:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/03/16 23:43	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/03/16 23:43	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/03/16 23:43	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/03/16 23:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/03/16 23:43	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/03/16 23:43	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/03/16 23:43	1
Styrene	1.0	U	1.0	0.73	ug/L			10/03/16 23:43	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/03/16 23:43	1
Toluene	1.0	U	1.0	0.51	ug/L			10/03/16 23:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/03/16 23:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/03/16 23:43	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/03/16 23:43	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/03/16 23:43	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/03/16 23:43	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/03/16 23:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		10/03/16 23:43	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/03/16 23:43	1
Dibromofluoromethane (Surr)	96		75 - 123		10/03/16 23:43	1
Toluene-d8 (Surr)	86		80 - 120		10/03/16 23:43	1

Surrogate Summary

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

TestAmerica Job ID: 480-106799-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-106799-1	WELL 1-1	86	103	93	90
480-106799-2	4009-9	91	100	95	87
480-106799-3	4009-10	92	102	95	88
480-106799-4	4009-11	90	101	94	89
480-106799-5	4009-12	89	100	95	89
480-106799-6	4009-13	89	103	93	89
480-106799-7	4009-13A	90	102	94	89
480-106799-8	4009-14	91	99	97	89
480-106799-8 MS	4009-14	100	106	98	89
480-106799-8 MSD	4009-14	95	105	95	89
480-106799-9	4009-15	92	101	99	89
480-106799-10	4009-16	91	101	97	91
480-106799-11	4009-16A	91	102	98	90
480-106799-12	4009-18	90	102	95	88
480-106799-13	4009-19	93	103	97	88
480-106799-14	4009-21	89	100	91	87
480-106799-15	4009-22	90	104	97	88
480-106799-16	4009-27S	90	102	93	88
480-106799-17	4009-27I	88	102	95	86
480-106799-17 MS	4009-27I	96	108	95	87
480-106799-17 MSD	4009-27I	95	107	93	87
480-106799-18	4009-27D	91	101	93	88
480-106799-19	4009-28	92	102	95	89
480-106799-20	4009-29S	91	101	97	89
480-106799-21	4009-29I	87	104	93	87
480-106799-22	4009-29D	89	101	97	89
480-106799-23	4009-30	87	100	95	88
480-106799-24	4009-30A	91	101	98	87
480-106799-25	4009-11A	89	101	99	88
480-106799-26	DUP-1_20160929	88	103	94	87
480-106799-27	DUP-2_20160929	89	103	95	88
480-106799-28	FIELD BLANK	87	101	95	87
480-106799-29	TB-20160929	91	100	96	86
LCS 480-323329/4	Lab Control Sample	94	106	91	91
LCS 480-323358/5	Lab Control Sample	96	104	93	88
LCS 480-323586/5	Lab Control Sample	94	106	94	88
MB 480-323329/6	Method Blank	90	102	93	88
MB 480-323358/7	Method Blank	90	104	91	91
MB 480-323586/7	Method Blank	89	104	93	87

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: 480-106799-1

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

Lab Sample ID: MB 480-323329/6

Matrix: Water

Analysis Batch: 323329

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			09/30/16 23:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/30/16 23:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/30/16 23:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/30/16 23:43	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/30/16 23:43	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/30/16 23:43	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			09/30/16 23:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/30/16 23:43	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			09/30/16 23:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/30/16 23:43	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/30/16 23:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/30/16 23:43	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/30/16 23:43	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/30/16 23:43	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			09/30/16 23:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/30/16 23:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/30/16 23:43	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/30/16 23:43	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/30/16 23:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/30/16 23:43	1
Acetone	10	U	10	3.0	ug/L			09/30/16 23:43	1
Benzene	1.0	U	1.0	0.41	ug/L			09/30/16 23:43	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/30/16 23:43	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/30/16 23:43	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/30/16 23:43	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/30/16 23:43	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/30/16 23:43	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/30/16 23:43	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/30/16 23:43	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/30/16 23:43	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/30/16 23:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/30/16 23:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/30/16 23:43	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/30/16 23:43	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/30/16 23:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/30/16 23:43	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/30/16 23:43	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/30/16 23:43	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			09/30/16 23:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/30/16 23:43	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/30/16 23:43	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/30/16 23:43	1
Styrene	1.0	U	1.0	0.73	ug/L			09/30/16 23:43	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/30/16 23:43	1
Toluene	1.0	U	1.0	0.51	ug/L			09/30/16 23:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/30/16 23:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/30/16 23:43	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/30/16 23:43	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-106799-1

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

Lab Sample ID: MB 480-323329/6

Matrix: Water

Analysis Batch: 323329

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			09/30/16 23:43	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/30/16 23:43	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/30/16 23:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120		09/30/16 23:43	1
4-Bromofluorobenzene (Surr)	102		73 - 120		09/30/16 23:43	1
Dibromofluoromethane (Surr)	93		75 - 123		09/30/16 23:43	1
Toluene-d8 (Surr)	88		80 - 120		09/30/16 23:43	1

Lab Sample ID: LCS 480-323329/4

Matrix: Water

Analysis Batch: 323329

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.1		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.4		ug/L		90	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.8		ug/L		95	61 - 148
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	22.8		ug/L		91	77 - 120
1,1-Dichloroethene	25.0	23.4		ug/L		93	66 - 127
1,2,3-Trimethylbenzene	25.0	23.0		ug/L		92	78 - 120
1,2,4-Trichlorobenzene	25.0	22.2		ug/L		89	79 - 122
1,2,4-Trimethylbenzene	25.0	23.0		ug/L		92	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	21.6		ug/L		86	56 - 134
1,2-Dibromoethane	25.0	25.1		ug/L		101	77 - 120
1,2-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	24.8		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	23.0		ug/L		92	76 - 120
1,3,5-Trimethylbenzene	25.0	23.0		ug/L		92	77 - 121
1,3-Dichlorobenzene	25.0	23.9		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 120
2-Butanone (MEK)	125	196	*	ug/L		157	57 - 140
2-Hexanone	125	114		ug/L		91	65 - 127
4-Methyl-2-pentanone (MIBK)	125	109		ug/L		88	71 - 125
Acetone	125	116		ug/L		93	56 - 142
Benzene	25.0	22.7		ug/L		91	71 - 124
Bromodichloromethane	25.0	25.0		ug/L		100	80 - 122
Bromoform	25.0	26.6		ug/L		106	61 - 132
Bromomethane	25.0	30.3		ug/L		121	55 - 144
Carbon disulfide	25.0	27.6		ug/L		110	59 - 134
Carbon tetrachloride	25.0	25.9		ug/L		104	72 - 134
Chlorobenzene	25.0	25.2		ug/L		101	80 - 120
Chloroethane	25.0	28.6		ug/L		114	69 - 136
Chloroform	25.0	23.8		ug/L		95	73 - 127
Chloromethane	25.0	23.8		ug/L		95	68 - 124
cis-1,2-Dichloroethene	25.0	23.9		ug/L		95	74 - 124

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-106799-1

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

Lab Sample ID: LCS 480-323329/4

Matrix: Water

Analysis Batch: 323329

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	25.0	25.2		ug/L		101	74 - 124
Cyclohexane	25.0	21.8		ug/L		87	59 - 135
Dibromochloromethane	25.0	26.3		ug/L		105	75 - 125
Dichlorodifluoromethane	25.0	30.3		ug/L		121	59 - 135
Ethylbenzene	25.0	24.4		ug/L		98	77 - 123
Isopropylbenzene	25.0	22.3		ug/L		89	77 - 122
Methyl acetate	125	108		ug/L		87	74 - 133
Methyl tert-butyl ether	25.0	24.0		ug/L		96	77 - 120
Methylcyclohexane	25.0	22.0		ug/L		88	68 - 134
Methylene Chloride	25.0	24.5		ug/L		98	75 - 124
Styrene	25.0	24.3		ug/L		97	80 - 120
Tetrachloroethene	25.0	28.2		ug/L		113	74 - 122
Toluene	25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	25.1		ug/L		101	80 - 120
Trichloroethene	25.0	24.5		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	25.2		ug/L		101	62 - 150
Vinyl chloride	25.0	24.1		ug/L		96	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	91		75 - 123
Toluene-d8 (Surr)	91		80 - 120

Lab Sample ID: MB 480-323358/7

Matrix: Water

Analysis Batch: 323358

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			10/01/16 12:04	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 12:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/01/16 12:04	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/01/16 12:04	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/01/16 12:04	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/01/16 12:04	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/01/16 12:04	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/01/16 12:04	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/01/16 12:04	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/01/16 12:04	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/01/16 12:04	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/01/16 12:04	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/01/16 12:04	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/01/16 12:04	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/01/16 12:04	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/01/16 12:04	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/01/16 12:04	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/01/16 12:04	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-106799-1

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

Lab Sample ID: MB 480-323358/7

Matrix: Water

Analysis Batch: 323358

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/01/16 12:04	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/01/16 12:04	1
Acetone	10	U	10	3.0	ug/L			10/01/16 12:04	1
Benzene	1.0	U	1.0	0.41	ug/L			10/01/16 12:04	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/01/16 12:04	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/01/16 12:04	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/01/16 12:04	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/01/16 12:04	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/01/16 12:04	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/01/16 12:04	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/01/16 12:04	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/01/16 12:04	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/01/16 12:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/01/16 12:04	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/01/16 12:04	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/01/16 12:04	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/01/16 12:04	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/01/16 12:04	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/01/16 12:04	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/01/16 12:04	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/01/16 12:04	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/01/16 12:04	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/01/16 12:04	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/01/16 12:04	1
Styrene	1.0	U	1.0	0.73	ug/L			10/01/16 12:04	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/01/16 12:04	1
Toluene	1.0	U	1.0	0.51	ug/L			10/01/16 12:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/01/16 12:04	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/01/16 12:04	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/01/16 12:04	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/01/16 12:04	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/01/16 12:04	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/01/16 12:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120		10/01/16 12:04	1
4-Bromofluorobenzene (Surr)	104		73 - 120		10/01/16 12:04	1
Dibromofluoromethane (Surr)	91		75 - 123		10/01/16 12:04	1
Toluene-d8 (Surr)	91		80 - 120		10/01/16 12:04	1

Lab Sample ID: LCS 480-323358/5

Matrix: Water

Analysis Batch: 323358

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.9		ug/L		100	73 - 126
1,1,1,2-Tetrachloroethane	25.0	22.9		ug/L		92	76 - 120

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-106799-1

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

Lab Sample ID: LCS 480-323358/5

Matrix: Water

Analysis Batch: 323358

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.3		ug/L		97	61 - 148
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	22.7		ug/L		91	77 - 120
1,1-Dichloroethene	25.0	23.9		ug/L		96	66 - 127
1,2,3-Trimethylbenzene	25.0	22.5		ug/L		90	78 - 120
1,2,4-Trichlorobenzene	25.0	21.9		ug/L		88	79 - 122
1,2,4-Trimethylbenzene	25.0	22.7		ug/L		91	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	22.1		ug/L		88	56 - 134
1,2-Dibromoethane	25.0	24.6		ug/L		98	77 - 120
1,2-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	25.5		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	22.7		ug/L		91	76 - 120
1,3,5-Trimethylbenzene	25.0	22.8		ug/L		91	77 - 121
1,3-Dichlorobenzene	25.0	23.6		ug/L		94	77 - 120
1,4-Dichlorobenzene	25.0	22.9		ug/L		92	80 - 120
2-Butanone (MEK)	125	203 *		ug/L		162	57 - 140
2-Hexanone	125	115		ug/L		92	65 - 127
4-Methyl-2-pentanone (MIBK)	125	109		ug/L		88	71 - 125
Acetone	125	123		ug/L		98	56 - 142
Benzene	25.0	22.6		ug/L		91	71 - 124
Bromodichloromethane	25.0	25.2		ug/L		101	80 - 122
Bromoform	25.0	26.2		ug/L		105	61 - 132
Bromomethane	25.0	21.5		ug/L		86	55 - 144
Carbon disulfide	25.0	27.5		ug/L		110	59 - 134
Carbon tetrachloride	25.0	26.5		ug/L		106	72 - 134
Chlorobenzene	25.0	24.1		ug/L		96	80 - 120
Chloroethane	25.0	17.9		ug/L		72	69 - 136
Chloroform	25.0	23.9		ug/L		96	73 - 127
Chloromethane	25.0	23.1		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	23.9		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	25.2		ug/L		101	74 - 124
Cyclohexane	25.0	22.5		ug/L		90	59 - 135
Dibromochloromethane	25.0	25.5		ug/L		102	75 - 125
Dichlorodifluoromethane	25.0	30.7		ug/L		123	59 - 135
Ethylbenzene	25.0	23.4		ug/L		94	77 - 123
Isopropylbenzene	25.0	22.0		ug/L		88	77 - 122
Methyl acetate	125	113		ug/L		90	74 - 133
Methyl tert-butyl ether	25.0	24.2		ug/L		97	77 - 120
Methylcyclohexane	25.0	21.8		ug/L		87	68 - 134
Methylene Chloride	25.0	24.3		ug/L		97	75 - 124
Styrene	25.0	23.5		ug/L		94	80 - 120
Tetrachloroethene	25.0	26.8		ug/L		107	74 - 122
Toluene	25.0	22.5		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	24.6		ug/L		98	80 - 120
Trichloroethene	25.0	23.9		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	25.3		ug/L		101	62 - 150

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-106799-1

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

Lab Sample ID: LCS 480-323358/5

Matrix: Water

Analysis Batch: 323358

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	25.0	23.0		ug/L		92	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Dibromofluoromethane (Surr)	93		75 - 123
Toluene-d8 (Surr)	88		80 - 120

Lab Sample ID: 480-106799-8 MS

Matrix: Water

Analysis Batch: 323358

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
1,1,1-Trichloroethane	1.0	U	25.0	28.3		ug/L		113	73 - 126
1,1,2,2-Tetrachloroethane	1.0	U	25.0	24.0		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	26.2		ug/L		105	61 - 148
1,1,2-Trichloroethane	1.0	U	25.0	25.3		ug/L		101	76 - 122
1,1-Dichloroethane	1.0	U	25.0	25.3		ug/L		101	77 - 120
1,1-Dichloroethene	1.0	U	25.0	26.8		ug/L		107	66 - 127
1,2,3-Trimethylbenzene	1.0	U	25.0	23.5		ug/L		94	78 - 120
1,2,4-Trichlorobenzene	1.0	U	25.0	23.0		ug/L		92	79 - 122
1,2,4-Trimethylbenzene	1.0	U	25.0	24.0		ug/L		96	76 - 121
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	23.1		ug/L		92	56 - 134
1,2-Dibromoethane	1.0	U	25.0	25.7		ug/L		103	77 - 120
1,2-Dichlorobenzene	1.0	U	25.0	25.0		ug/L		100	80 - 124
1,2-Dichloroethane	1.0	U	25.0	28.1		ug/L		112	75 - 120
1,2-Dichloropropane	1.0	U	25.0	24.2		ug/L		97	76 - 120
1,3,5-Trimethylbenzene	1.0	U	25.0	24.0		ug/L		96	77 - 121
1,3-Dichlorobenzene	1.0	U	25.0	24.3		ug/L		97	77 - 120
1,4-Dichlorobenzene	1.0	U	25.0	23.7		ug/L		95	78 - 124
2-Butanone (MEK)	10	U *	125	199	*	ug/L		159	57 - 140
2-Hexanone	5.0	U	125	117		ug/L		93	65 - 127
4-Methyl-2-pentanone (MIBK)	5.0	U	125	115		ug/L		92	71 - 125
Acetone	10	U	125	143		ug/L		114	56 - 142
Benzene	15		25.0	36.9		ug/L		86	71 - 124
Bromodichloromethane	1.0	U	25.0	27.7		ug/L		111	80 - 122
Bromoform	1.0	U	25.0	26.5		ug/L		106	61 - 132
Bromomethane	1.0	U	25.0	25.6		ug/L		102	55 - 144
Carbon disulfide	1.0	U	25.0	25.7		ug/L		103	59 - 134
Carbon tetrachloride	1.0	U	25.0	30.2		ug/L		121	72 - 134
Chlorobenzene	1.0	U	25.0	25.7		ug/L		103	80 - 120
Chloroethane	1.0	U	25.0	24.1		ug/L		96	69 - 136
Chloroform	1.0	U	25.0	26.7		ug/L		107	73 - 127
Chloromethane	1.0	U	25.0	24.4		ug/L		97	68 - 124
cis-1,2-Dichloroethene	1.0	U	25.0	26.0		ug/L		104	74 - 124
cis-1,3-Dichloropropene	1.0	U	25.0	25.5		ug/L		102	74 - 124
Cyclohexane	1.0	U	25.0	22.4		ug/L		90	59 - 135

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-106799-1

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

Lab Sample ID: 480-106799-8 MS

Matrix: Water

Analysis Batch: 323358

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
Dibromochloromethane	1.0	U	25.0	27.4		ug/L		110	75 - 125
Dichlorodifluoromethane	1.0	U	25.0	31.6		ug/L		127	59 - 135
Ethylbenzene	1.0	U	25.0	25.4		ug/L		101	77 - 123
Isopropylbenzene	1.0	U	25.0	23.4		ug/L		94	77 - 122
Methyl acetate	2.5	U	125	113		ug/L		90	74 - 133
Methyl tert-butyl ether	1.0	U	25.0	25.8		ug/L		103	77 - 120
Methylcyclohexane	1.0	U	25.0	22.8		ug/L		91	68 - 134
Methylene Chloride	1.0	U	25.0	30.6		ug/L		122	75 - 124
Styrene	1.0	U	25.0	24.7		ug/L		99	80 - 120
Tetrachloroethene	1.0	U	25.0	27.1		ug/L		108	74 - 122
Toluene	0.55	J	25.0	24.7		ug/L		97	80 - 122
trans-1,2-Dichloroethene	1.0	U	25.0	25.8		ug/L		103	73 - 127
trans-1,3-Dichloropropene	1.0	U	25.0	24.7		ug/L		99	80 - 120
Trichloroethene	1.0	U	25.0	26.5		ug/L		106	74 - 123
Trichlorofluoromethane	1.0	U	25.0	28.2		ug/L		113	62 - 150
Vinyl chloride	1.0	U	25.0	24.0		ug/L		96	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	98		75 - 123
Toluene-d8 (Surr)	89		80 - 120

Lab Sample ID: 480-106799-8 MSD

Matrix: Water

Analysis Batch: 323358

Client Sample ID: 4009-14

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	25.0	26.8		ug/L		107	73 - 126	5	15
1,1,2,2-Tetrachloroethane	1.0	U	25.0	23.8		ug/L		95	76 - 120	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	24.9		ug/L		99	61 - 148	5	20
1,1,2-Trichloroethane	1.0	U	25.0	24.7		ug/L		99	76 - 122	2	15
1,1-Dichloroethane	1.0	U	25.0	24.1		ug/L		96	77 - 120	5	20
1,1-Dichloroethene	1.0	U	25.0	25.1		ug/L		100	66 - 127	6	16
1,2,3-Trimethylbenzene	1.0	U	25.0	23.5		ug/L		94	78 - 120	0	20
1,2,4-Trichlorobenzene	1.0	U	25.0	22.9		ug/L		92	79 - 122	0	20
1,2,4-Trimethylbenzene	1.0	U	25.0	23.5		ug/L		94	76 - 121	2	20
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	22.9		ug/L		92	56 - 134	1	15
1,2-Dibromoethane	1.0	U	25.0	26.0		ug/L		104	77 - 120	1	15
1,2-Dichlorobenzene	1.0	U	25.0	24.7		ug/L		99	80 - 124	1	20
1,2-Dichloroethane	1.0	U	25.0	27.2		ug/L		109	75 - 120	3	20
1,2-Dichloropropane	1.0	U	25.0	23.8		ug/L		95	76 - 120	2	20
1,3,5-Trimethylbenzene	1.0	U	25.0	23.5		ug/L		94	77 - 121	2	20
1,3-Dichlorobenzene	1.0	U	25.0	24.1		ug/L		97	77 - 120	1	20
1,4-Dichlorobenzene	1.0	U	25.0	23.7		ug/L		95	78 - 124	0	20
2-Butanone (MEK)	10	U *	125	200	*	ug/L		160	57 - 140	0	20
2-Hexanone	5.0	U	125	120		ug/L		96	65 - 127	3	15

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-106799-1

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

Lab Sample ID: 480-106799-8 MSD

Matrix: Water

Analysis Batch: 323358

Client Sample ID: 4009-14

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	5.0	U	125	116		ug/L		93	71 - 125	1	35
Acetone	10	U	125	135		ug/L		108	56 - 142	6	15
Benzene	15		25.0	35.8		ug/L		81	71 - 124	3	13
Bromodichloromethane	1.0	U	25.0	26.6		ug/L		106	80 - 122	4	15
Bromoform	1.0	U	25.0	26.1		ug/L		104	61 - 132	2	15
Bromomethane	1.0	U	25.0	26.9		ug/L		108	55 - 144	5	15
Carbon disulfide	1.0	U	25.0	29.0		ug/L		116	59 - 134	12	15
Carbon tetrachloride	1.0	U	25.0	28.5		ug/L		114	72 - 134	6	15
Chlorobenzene	1.0	U	25.0	25.4		ug/L		101	80 - 120	1	25
Chloroethane	1.0	U	25.0	23.0		ug/L		92	69 - 136	5	15
Chloroform	1.0	U	25.0	25.3		ug/L		101	73 - 127	5	20
Chloromethane	1.0	U	25.0	24.4		ug/L		98	68 - 124	0	15
cis-1,2-Dichloroethene	1.0	U	25.0	24.6		ug/L		99	74 - 124	5	15
cis-1,3-Dichloropropene	1.0	U	25.0	25.1		ug/L		100	74 - 124	2	15
Cyclohexane	1.0	U	25.0	22.7		ug/L		91	59 - 135	1	20
Dibromochloromethane	1.0	U	25.0	27.0		ug/L		108	75 - 125	2	15
Dichlorodifluoromethane	1.0	U	25.0	29.6		ug/L		118	59 - 135	7	20
Ethylbenzene	1.0	U	25.0	24.9		ug/L		100	77 - 123	2	15
Isopropylbenzene	1.0	U	25.0	22.8		ug/L		91	77 - 122	2	20
Methyl acetate	2.5	U	125	111		ug/L		89	74 - 133	1	20
Methyl tert-butyl ether	1.0	U	25.0	25.5		ug/L		102	77 - 120	1	37
Methylcyclohexane	1.0	U	25.0	21.9		ug/L		87	68 - 134	4	20
Methylene Chloride	1.0	U	25.0	29.3		ug/L		117	75 - 124	4	15
Styrene	1.0	U	25.0	24.6		ug/L		98	80 - 120	0	20
Tetrachloroethene	1.0	U	25.0	25.9		ug/L		103	74 - 122	5	20
Toluene	0.55	J	25.0	24.5		ug/L		96	80 - 122	1	15
trans-1,2-Dichloroethene	1.0	U	25.0	24.7		ug/L		99	73 - 127	4	20
trans-1,3-Dichloropropene	1.0	U	25.0	25.0		ug/L		100	80 - 120	1	15
Trichloroethene	1.0	U	25.0	25.1		ug/L		100	74 - 123	5	16
Trichlorofluoromethane	1.0	U	25.0	28.1		ug/L		113	62 - 150	0	20
Vinyl chloride	1.0	U	25.0	24.1		ug/L		96	65 - 133	0	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		77 - 120
4-Bromofluorobenzene (Surr)	105		73 - 120
Dibromofluoromethane (Surr)	95		75 - 123
Toluene-d8 (Surr)	89		80 - 120

Lab Sample ID: MB 480-323586/7

Matrix: Water

Analysis Batch: 323586

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			10/03/16 20:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			10/03/16 20:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			10/03/16 20:47	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			10/03/16 20:47	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			10/03/16 20:47	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-106799-1

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

Lab Sample ID: MB 480-323586/7

Matrix: Water

Analysis Batch: 323586

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			10/03/16 20:47	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			10/03/16 20:47	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			10/03/16 20:47	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			10/03/16 20:47	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			10/03/16 20:47	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			10/03/16 20:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			10/03/16 20:47	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			10/03/16 20:47	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			10/03/16 20:47	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			10/03/16 20:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			10/03/16 20:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			10/03/16 20:47	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			10/03/16 20:47	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			10/03/16 20:47	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			10/03/16 20:47	1
Acetone	10	U	10	3.0	ug/L			10/03/16 20:47	1
Benzene	1.0	U	1.0	0.41	ug/L			10/03/16 20:47	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			10/03/16 20:47	1
Bromoform	1.0	U	1.0	0.26	ug/L			10/03/16 20:47	1
Bromomethane	1.0	U	1.0	0.69	ug/L			10/03/16 20:47	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			10/03/16 20:47	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			10/03/16 20:47	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			10/03/16 20:47	1
Chloroethane	1.0	U	1.0	0.32	ug/L			10/03/16 20:47	1
Chloroform	1.0	U	1.0	0.34	ug/L			10/03/16 20:47	1
Chloromethane	1.0	U	1.0	0.35	ug/L			10/03/16 20:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			10/03/16 20:47	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			10/03/16 20:47	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			10/03/16 20:47	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			10/03/16 20:47	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			10/03/16 20:47	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			10/03/16 20:47	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			10/03/16 20:47	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			10/03/16 20:47	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			10/03/16 20:47	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			10/03/16 20:47	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			10/03/16 20:47	1
Styrene	1.0	U	1.0	0.73	ug/L			10/03/16 20:47	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			10/03/16 20:47	1
Toluene	1.0	U	1.0	0.51	ug/L			10/03/16 20:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			10/03/16 20:47	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			10/03/16 20:47	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			10/03/16 20:47	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			10/03/16 20:47	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			10/03/16 20:47	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			10/03/16 20:47	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-106799-1

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

Lab Sample ID: MB 480-323586/7

Matrix: Water

Analysis Batch: 323586

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		10/03/16 20:47	1
4-Bromofluorobenzene (Surr)	104		73 - 120		10/03/16 20:47	1
Dibromofluoromethane (Surr)	93		75 - 123		10/03/16 20:47	1
Toluene-d8 (Surr)	87		80 - 120		10/03/16 20:47	1

Lab Sample ID: LCS 480-323586/5

Matrix: Water

Analysis Batch: 323586

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.2		ug/L		101	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.1		ug/L		89	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.1		ug/L		96	61 - 148
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	22.9		ug/L		92	77 - 120
1,1-Dichloroethene	25.0	23.7		ug/L		95	66 - 127
1,2,3-Trimethylbenzene	25.0	23.1		ug/L		93	78 - 120
1,2,4-Trichlorobenzene	25.0	22.3		ug/L		89	79 - 122
1,2,4-Trimethylbenzene	25.0	22.8		ug/L		91	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	22.0		ug/L		88	56 - 134
1,2-Dibromoethane	25.0	23.9		ug/L		96	77 - 120
1,2-Dichlorobenzene	25.0	23.9		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	23.0		ug/L		92	76 - 120
1,3,5-Trimethylbenzene	25.0	22.6		ug/L		90	77 - 121
1,3-Dichlorobenzene	25.0	23.4		ug/L		94	77 - 120
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 120
2-Butanone (MEK)	125	195	*	ug/L		156	57 - 140
2-Hexanone	125	110		ug/L		88	65 - 127
4-Methyl-2-pentanone (MIBK)	125	107		ug/L		85	71 - 125
Acetone	125	99.9		ug/L		80	56 - 142
Benzene	25.0	22.6		ug/L		90	71 - 124
Bromodichloromethane	25.0	25.7		ug/L		103	80 - 122
Bromoform	25.0	26.3		ug/L		105	61 - 132
Bromomethane	25.0	27.5		ug/L		110	55 - 144
Carbon disulfide	25.0	27.7		ug/L		111	59 - 134
Carbon tetrachloride	25.0	26.8		ug/L		107	72 - 134
Chlorobenzene	25.0	24.0		ug/L		96	80 - 120
Chloroethane	25.0	26.5		ug/L		106	69 - 136
Chloroform	25.0	24.0		ug/L		96	73 - 127
Chloromethane	25.0	21.4		ug/L		86	68 - 124
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	25.0		ug/L		100	74 - 124
Cyclohexane	25.0	22.2		ug/L		89	59 - 135
Dibromochloromethane	25.0	25.5		ug/L		102	75 - 125
Dichlorodifluoromethane	25.0	25.9		ug/L		103	59 - 135
Ethylbenzene	25.0	23.4		ug/L		94	77 - 123

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-106799-1

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

Lab Sample ID: LCS 480-323586/5

Matrix: Water

Analysis Batch: 323586

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	25.0	22.1		ug/L		88	77 - 122
Methyl acetate	125	111		ug/L		88	74 - 133
Methyl tert-butyl ether	25.0	24.5		ug/L		98	77 - 120
Methylcyclohexane	25.0	21.6		ug/L		86	68 - 134
Methylene Chloride	25.0	24.6		ug/L		99	75 - 124
Styrene	25.0	23.5		ug/L		94	80 - 120
Tetrachloroethene	25.0	27.2		ug/L		109	74 - 122
Toluene	25.0	22.6		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	24.8		ug/L		99	80 - 120
Trichloroethene	25.0	24.0		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	26.3		ug/L		105	62 - 150
Vinyl chloride	25.0	22.0		ug/L		88	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	94		75 - 123
Toluene-d8 (Surr)	88		80 - 120

Lab Sample ID: 480-106799-17 MS

Matrix: Water

Analysis Batch: 323586

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
1,1,1-Trichloroethane	1.0	U	25.0	27.2		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	1.0	U	25.0	20.7		ug/L		83	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	26.3		ug/L		105	61 - 148
1,1,2-Trichloroethane	1.0	U	25.0	22.3		ug/L		89	76 - 122
1,1-Dichloroethane	1.0	U	25.0	23.4		ug/L		93	77 - 120
1,1-Dichloroethene	1.0	U	25.0	24.7		ug/L		99	66 - 127
1,2,4-Trichlorobenzene	1.0	U	25.0	21.1		ug/L		84	79 - 122
1,2,4-Trimethylbenzene	1.0	U	25.0	22.1		ug/L		88	76 - 121
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	20.2		ug/L		81	56 - 134
1,2-Dibromoethane	1.0	U	25.0	23.0		ug/L		92	77 - 120
1,2-Dichlorobenzene	1.0	U	25.0	22.5		ug/L		90	80 - 124
1,2-Dichloroethane	1.0	U	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	1.0	U	25.0	22.8		ug/L		91	76 - 120
1,3,5-Trimethylbenzene	1.0	U	25.0	22.2		ug/L		89	77 - 121
1,3-Dichlorobenzene	1.0	U	25.0	22.6		ug/L		90	77 - 120
1,4-Dichlorobenzene	1.0	U	25.0	22.2		ug/L		89	78 - 124
2-Butanone (MEK)	10	U *	125	186	*	ug/L		149	57 - 140
2-Hexanone	5.0	U	125	107		ug/L		85	65 - 127
4-Methyl-2-pentanone (MIBK)	5.0	U	125	102		ug/L		81	71 - 125
Acetone	10	U	125	102		ug/L		82	56 - 142
Benzene	4.6		25.0	26.8		ug/L		89	71 - 124
Bromodichloromethane	1.0	U	25.0	25.1		ug/L		100	80 - 122

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-106799-1

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

Lab Sample ID: 480-106799-17 MS

Matrix: Water

Analysis Batch: 323586

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
Bromoform	1.0	U	25.0	24.3		ug/L		97	61 - 132
Bromomethane	1.0	U	25.0	37.2	*	ug/L		149	55 - 144
Carbon disulfide	1.0	U	25.0	28.8		ug/L		115	59 - 134
Carbon tetrachloride	1.0	U	25.0	29.1		ug/L		116	72 - 134
Chlorobenzene	1.0	U	25.0	24.1		ug/L		96	80 - 120
Chloroethane	1.0	U	25.0	36.9	*	ug/L		148	69 - 136
Chloroform	1.0	U	25.0	24.6		ug/L		99	73 - 127
Chloromethane	1.0	U	25.0	22.8		ug/L		91	68 - 124
cis-1,2-Dichloroethene	1.0	U	25.0	24.1		ug/L		96	74 - 124
cis-1,3-Dichloropropene	1.0	U	25.0	22.6		ug/L		90	74 - 124
Cyclohexane	1.0	U	25.0	22.9		ug/L		92	59 - 135
Dibromochloromethane	1.0	U	25.0	24.8		ug/L		99	75 - 125
Dichlorodifluoromethane	1.0	U	25.0	30.4		ug/L		122	59 - 135
Ethylbenzene	1.0	U	25.0	23.7		ug/L		95	77 - 123
Isopropylbenzene	1.0	U	25.0	21.6		ug/L		86	77 - 122
Methyl acetate	2.5	U	125	96.9		ug/L		78	74 - 133
Methyl tert-butyl ether	1.0	U	25.0	23.2		ug/L		93	77 - 120
Methylcyclohexane	1.0	U	25.0	22.7		ug/L		91	68 - 134
Methylene Chloride	1.0	U	25.0	23.8		ug/L		95	75 - 124
Styrene	1.0	U	25.0	22.9		ug/L		92	80 - 120
Tetrachloroethene	1.0	U	25.0	25.4		ug/L		101	74 - 122
Toluene	1.0	U	25.0	23.2		ug/L		93	80 - 122
trans-1,2-Dichloroethene	1.0	U	25.0	24.7		ug/L		99	73 - 127
trans-1,3-Dichloropropene	1.0	U	25.0	22.3		ug/L		89	80 - 120
Trichloroethene	1.0	U	25.0	24.2		ug/L		97	74 - 123
Trichlorofluoromethane	1.0	U	25.0	31.7		ug/L		127	62 - 150
Vinyl chloride	1.0	U	25.0	24.9		ug/L		100	65 - 133
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	96		77 - 120						
4-Bromofluorobenzene (Surr)	108		73 - 120						
Dibromofluoromethane (Surr)	95		75 - 123						
Toluene-d8 (Surr)	87		80 - 120						

Lab Sample ID: 480-106799-17 MSD

Matrix: Water

Analysis Batch: 323586

Client Sample ID: 4009-271

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	25.0	27.4		ug/L		109	73 - 126	1	15
1,1,2,2-Tetrachloroethane	1.0	U	25.0	21.5		ug/L		86	76 - 120	4	15
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	26.0		ug/L		104	61 - 148	1	20
1,1,2-Trichloroethane	1.0	U	25.0	23.3		ug/L		93	76 - 122	4	15
1,1-Dichloroethane	1.0	U	25.0	23.4		ug/L		94	77 - 120	0	20
1,1-Dichloroethene	1.0	U	25.0	25.3		ug/L		101	66 - 127	2	16
1,2,4-Trichlorobenzene	1.0	U	25.0	21.4		ug/L		86	79 - 122	2	20
1,2,4-Trimethylbenzene	1.0	U	25.0	22.5		ug/L		90	76 - 121	2	20

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-106799-1

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

Lab Sample ID: 480-106799-17 MSD

Matrix: Water

Analysis Batch: 323586

Client Sample ID: 4009-271

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	21.3		ug/L		85	56 - 134	5	15
1,2-Dibromoethane	1.0	U	25.0	24.1		ug/L		97	77 - 120	5	15
1,2-Dichlorobenzene	1.0	U	25.0	23.2		ug/L		93	80 - 124	3	20
1,2-Dichloroethane	1.0	U	25.0	25.5		ug/L		102	75 - 120	1	20
1,2-Dichloropropane	1.0	U	25.0	23.1		ug/L		92	76 - 120	1	20
1,3,5-Trimethylbenzene	1.0	U	25.0	22.8		ug/L		91	77 - 121	3	20
1,3-Dichlorobenzene	1.0	U	25.0	23.2		ug/L		93	77 - 120	3	20
1,4-Dichlorobenzene	1.0	U	25.0	22.7		ug/L		91	78 - 124	2	20
2-Butanone (MEK)	10	U *	125	190	*	ug/L		152	57 - 140	2	20
2-Hexanone	5.0	U	125	110		ug/L		88	65 - 127	3	15
4-Methyl-2-pentanone (MIBK)	5.0	U	125	105		ug/L		84	71 - 125	3	35
Acetone	10	U	125	109		ug/L		87	56 - 142	6	15
Benzene	4.6		25.0	27.7		ug/L		92	71 - 124	3	13
Bromodichloromethane	1.0	U	25.0	25.7		ug/L		103	80 - 122	3	15
Bromoform	1.0	U	25.0	24.6		ug/L		99	61 - 132	1	15
Bromomethane	1.0	U	25.0	38.9	*	ug/L		155	55 - 144	4	15
Carbon disulfide	1.0	U	25.0	29.3		ug/L		117	59 - 134	2	15
Carbon tetrachloride	1.0	U	25.0	28.9		ug/L		116	72 - 134	1	15
Chlorobenzene	1.0	U	25.0	24.8		ug/L		99	80 - 120	3	25
Chloroethane	1.0	U	25.0	32.2		ug/L		129	69 - 136	14	15
Chloroform	1.0	U	25.0	24.9		ug/L		100	73 - 127	1	20
Chloromethane	1.0	U	25.0	21.2		ug/L		85	68 - 124	7	15
cis-1,2-Dichloroethene	1.0	U	25.0	24.7		ug/L		99	74 - 124	3	15
cis-1,3-Dichloropropene	1.0	U	25.0	24.1		ug/L		96	74 - 124	6	15
Cyclohexane	1.0	U	25.0	23.6		ug/L		94	59 - 135	3	20
Dibromochloromethane	1.0	U	25.0	25.3		ug/L		101	75 - 125	2	15
Dichlorodifluoromethane	1.0	U	25.0	26.8		ug/L		107	59 - 135	13	20
Ethylbenzene	1.0	U	25.0	24.5		ug/L		98	77 - 123	3	15
Isopropylbenzene	1.0	U	25.0	22.3		ug/L		89	77 - 122	3	20
Methyl acetate	2.5	U	125	101		ug/L		81	74 - 133	4	20
Methyl tert-butyl ether	1.0	U	25.0	23.9		ug/L		96	77 - 120	3	37
Methylcyclohexane	1.0	U	25.0	22.9		ug/L		92	68 - 134	1	20
Methylene Chloride	1.0	U	25.0	24.0		ug/L		96	75 - 124	1	15
Styrene	1.0	U	25.0	23.9		ug/L		96	80 - 120	4	20
Tetrachloroethene	1.0	U	25.0	26.0		ug/L		104	74 - 122	2	20
Toluene	1.0	U	25.0	23.8		ug/L		95	80 - 122	2	15
trans-1,2-Dichloroethene	1.0	U	25.0	24.4		ug/L		98	73 - 127	1	20
trans-1,3-Dichloropropene	1.0	U	25.0	23.1		ug/L		92	80 - 120	3	15
Trichloroethene	1.0	U	25.0	25.4		ug/L		102	74 - 123	5	16
Trichlorofluoromethane	1.0	U	25.0	28.9		ug/L		116	62 - 150	9	20
Vinyl chloride	1.0	U	25.0	22.9		ug/L		92	65 - 133	8	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		77 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Dibromofluoromethane (Surr)	93		75 - 123
Toluene-d8 (Surr)	87		80 - 120

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-106799-1

GC/MS VOA

Analysis Batch: 323329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106799-1	WELL 1-1	Total/NA	Water	8260C	
480-106799-2	4009-9	Total/NA	Water	8260C	
480-106799-3	4009-10	Total/NA	Water	8260C	
480-106799-4	4009-11	Total/NA	Water	8260C	
480-106799-5	4009-12	Total/NA	Water	8260C	
480-106799-6	4009-13	Total/NA	Water	8260C	
480-106799-7	4009-13A	Total/NA	Water	8260C	
480-106799-8	4009-14	Total/NA	Water	8260C	
480-106799-9	4009-15	Total/NA	Water	8260C	
480-106799-10	4009-16	Total/NA	Water	8260C	
480-106799-11	4009-16A	Total/NA	Water	8260C	
MB 480-323329/6	Method Blank	Total/NA	Water	8260C	
LCS 480-323329/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 323358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106799-12	4009-18	Total/NA	Water	8260C	
480-106799-13	4009-19	Total/NA	Water	8260C	
480-106799-14	4009-21	Total/NA	Water	8260C	
480-106799-15	4009-22	Total/NA	Water	8260C	
480-106799-16	4009-27S	Total/NA	Water	8260C	
480-106799-18	4009-27D	Total/NA	Water	8260C	
480-106799-19	4009-28	Total/NA	Water	8260C	
480-106799-20	4009-29S	Total/NA	Water	8260C	
480-106799-22	4009-29D	Total/NA	Water	8260C	
480-106799-23	4009-30	Total/NA	Water	8260C	
480-106799-24	4009-30A	Total/NA	Water	8260C	
480-106799-25	4009-11A	Total/NA	Water	8260C	
MB 480-323358/7	Method Blank	Total/NA	Water	8260C	
LCS 480-323358/5	Lab Control Sample	Total/NA	Water	8260C	
480-106799-8 MS	4009-14	Total/NA	Water	8260C	
480-106799-8 MSD	4009-14	Total/NA	Water	8260C	

Analysis Batch: 323586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106799-17	4009-27I	Total/NA	Water	8260C	
480-106799-21	4009-29I	Total/NA	Water	8260C	
480-106799-26	DUP-1_20160929	Total/NA	Water	8260C	
480-106799-27	DUP-2_20160929	Total/NA	Water	8260C	
480-106799-28	FIELD BLANK	Total/NA	Water	8260C	
480-106799-29	TB-20160929	Total/NA	Water	8260C	
MB 480-323586/7	Method Blank	Total/NA	Water	8260C	
LCS 480-323586/5	Lab Control Sample	Total/NA	Water	8260C	
480-106799-17 MS	4009-27I	Total/NA	Water	8260C	
480-106799-17 MSD	4009-27I	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: WELL 1-1

Date Collected: 09/29/16 07:35

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	323329	10/01/16 02:40	GTG	TAL BUF

Client Sample ID: 4009-9

Date Collected: 09/29/16 10:30

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323329	10/01/16 03:08	GTG	TAL BUF

Client Sample ID: 4009-10

Date Collected: 09/29/16 10:35

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323329	10/01/16 03:35	GTG	TAL BUF

Client Sample ID: 4009-11

Date Collected: 09/29/16 10:50

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323329	10/01/16 04:02	GTG	TAL BUF

Client Sample ID: 4009-12

Date Collected: 09/29/16 09:35

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323329	10/01/16 04:29	GTG	TAL BUF

Client Sample ID: 4009-13

Date Collected: 09/29/16 10:15

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323329	10/01/16 04:56	GTG	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-13A

Date Collected: 09/29/16 10:20

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323329	10/01/16 05:24	GTG	TAL BUF

Client Sample ID: 4009-14

Date Collected: 09/29/16 08:10

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323329	10/01/16 05:51	GTG	TAL BUF

Client Sample ID: 4009-15

Date Collected: 09/29/16 09:25

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323329	10/01/16 06:18	GTG	TAL BUF

Client Sample ID: 4009-16

Date Collected: 09/29/16 09:05

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323329	10/01/16 06:45	GTG	TAL BUF

Client Sample ID: 4009-16A

Date Collected: 09/29/16 09:10

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323329	10/01/16 07:12	GTG	TAL BUF

Client Sample ID: 4009-18

Date Collected: 09/29/16 08:35

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323358	10/01/16 12:46	SMY	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-19

Date Collected: 09/29/16 08:45

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323358	10/01/16 13:13	SMY	TAL BUF

Client Sample ID: 4009-21

Date Collected: 09/29/16 08:40

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323358	10/01/16 13:40	SMY	TAL BUF

Client Sample ID: 4009-22

Date Collected: 09/29/16 08:05

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323358	10/01/16 14:07	SMY	TAL BUF

Client Sample ID: 4009-27S

Date Collected: 09/29/16 10:00

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323358	10/01/16 14:34	SMY	TAL BUF

Client Sample ID: 4009-27I

Date Collected: 09/29/16 10:05

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323586	10/03/16 21:27	RJF	TAL BUF

Client Sample ID: 4009-27D

Date Collected: 09/29/16 10:10

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323358	10/01/16 15:01	SMY	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-28

Date Collected: 09/29/16 07:50

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323358	10/01/16 15:29	SMY	TAL BUF

Client Sample ID: 4009-29S

Date Collected: 09/29/16 09:45

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	323358	10/01/16 15:56	SMY	TAL BUF

Client Sample ID: 4009-29I

Date Collected: 09/29/16 09:50

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323586	10/03/16 21:55	RJF	TAL BUF

Client Sample ID: 4009-29D

Date Collected: 09/29/16 09:55

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323358	10/01/16 16:50	SMY	TAL BUF

Client Sample ID: 4009-30

Date Collected: 09/29/16 09:20

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323358	10/01/16 17:17	SMY	TAL BUF

Client Sample ID: 4009-30A

Date Collected: 09/29/16 09:15

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323358	10/01/16 17:45	SMY	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-106799-1

Client Sample ID: 4009-11A

Date Collected: 09/29/16 10:45

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323358	10/01/16 18:12	SMY	TAL BUF

Client Sample ID: DUP-1_20160929

Date Collected: 09/29/16 00:00

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323586	10/03/16 22:22	RJF	TAL BUF

Client Sample ID: DUP-2_20160929

Date Collected: 09/29/16 00:00

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	323586	10/03/16 22:49	RJF	TAL BUF

Client Sample ID: FIELD BLANK

Date Collected: 09/29/16 07:40

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323586	10/03/16 23:16	RJF	TAL BUF

Client Sample ID: TB-20160929

Date Collected: 09/29/16 00:00

Date Received: 09/30/16 09:30

Lab Sample ID: 480-106799-29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323586	10/03/16 23:43	RJF	TAL BUF

Laboratory References:

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

Method Summary

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

TestAmerica Job ID: 480-106799-1

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

Certification Summary

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

TestAmerica Job ID: 480-106799-1

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	03-31-17

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo

Job No.: 480-106799-1

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 1-1	480-106799-1	93	86	90	103
4009-9	480-106799-2	95	91	87	100
4009-10	480-106799-3	95	92	88	102
4009-11	480-106799-4	94	90	89	101
4009-12	480-106799-5	95	89	89	100
4009-13	480-106799-6	93	89	89	103
4009-13A	480-106799-7	94	90	89	102
4009-14	480-106799-8	97	91	89	99
4009-15	480-106799-9	99	92	89	101
4009-16	480-106799-10	97	91	91	101
4009-16A	480-106799-11	98	91	90	102
4009-18	480-106799-12	95	90	88	102
4009-19	480-106799-13	97	93	88	103
4009-21	480-106799-14	91	89	87	100
4009-22	480-106799-15	97	90	88	104
4009-27S	480-106799-16	93	90	88	102
4009-27I	480-106799-17	95	88	86	102
4009-27D	480-106799-18	93	91	88	101
4009-28	480-106799-19	95	92	89	102
4009-29S	480-106799-20	97	91	89	101
4009-29I	480-106799-21	93	87	87	104
4009-29D	480-106799-22	97	89	89	101
4009-30	480-106799-23	95	87	88	100
4009-30A	480-106799-24	98	91	87	101
4009-11A	480-106799-25	99	89	88	101
DUP-1_20160929	480-106799-26	94	88	87	103
DUP-2_20160929	480-106799-27	95	89	88	103
FIELD BLANK	480-106799-28	95	87	87	101
TB-20160929	480-106799-29	96	91	86	100
	MB 480-323329/6	93	90	88	102
	MB 480-323358/7	91	90	91	104
	MB 480-323586/7	93	89	87	104
	LCS 480-323329/4	91	94	91	106
	LCS 480-323358/5	93	96	88	104
	LCS 480-323586/5	94	94	88	106

QC LIMITS

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

75-123
77-120
80-120
73-120

Column to be used to flag recovery values

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
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 #
4009-14 MS	480-106799-8 MS	98	100	89	106
4009-27I MS	480-106799-17 MS	95	96	87	108
4009-14 MSD	480-106799-8 MSD	95	95	89	105
4009-27I MSD	480-106799-17 MSD	93	95	87	107

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

QC LIMITS
75-123
77-120
80-120
73-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P0816.D
 Lab ID: LCS 480-323329/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.1	100	73-126	
1,1,2,2-Tetrachloroethane	25.0	22.4	90	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.8	95	61-148	
1,1,2-Trichloroethane	25.0	24.1	96	76-122	
1,1-Dichloroethane	25.0	22.8	91	77-120	
1,1-Dichloroethene	25.0	23.4	93	66-127	
1,2,3-Trimethylbenzene	25.0	23.0	92	78-120	
1,2,4-Trichlorobenzene	25.0	22.2	89	79-122	
1,2,4-Trimethylbenzene	25.0	23.0	92	76-121	
1,2-Dibromo-3-Chloropropane	25.0	21.6	86	56-134	
1,2-Dibromoethane	25.0	25.1	101	77-120	
1,2-Dichlorobenzene	25.0	24.0	96	80-124	
1,2-Dichloroethane	25.0	24.8	99	75-120	
1,2-Dichloropropane	25.0	23.0	92	76-120	
1,3,5-Trimethylbenzene	25.0	23.0	92	77-121	
1,3-Dichlorobenzene	25.0	23.9	96	77-120	
1,4-Dichlorobenzene	25.0	23.2	93	80-120	
2-Butanone (MEK)	125	196	157	57-140	*
2-Hexanone	125	114	91	65-127	
4-Methyl-2-pentanone (MIBK)	125	109	88	71-125	
Acetone	125	116	93	56-142	
Benzene	25.0	22.7	91	71-124	
Bromodichloromethane	25.0	25.0	100	80-122	
Bromoform	25.0	26.6	106	61-132	
Bromomethane	25.0	30.3	121	55-144	
Carbon disulfide	25.0	27.6	110	59-134	
Carbon tetrachloride	25.0	25.9	104	72-134	
Chlorobenzene	25.0	25.2	101	80-120	
Chloroethane	25.0	28.6	114	69-136	
Chloroform	25.0	23.8	95	73-127	
Chloromethane	25.0	23.8	95	68-124	
cis-1,2-Dichloroethene	25.0	23.9	95	74-124	
cis-1,3-Dichloropropene	25.0	25.2	101	74-124	
Cyclohexane	25.0	21.8	87	59-135	
Dibromochloromethane	25.0	26.3	105	75-125	
Dichlorodifluoromethane	25.0	30.3	121	59-135	
Ethylbenzene	25.0	24.4	98	77-123	
Isopropylbenzene	25.0	22.3	89	77-122	
Methyl acetate	125	108	87	74-133	
Methyl tert-butyl ether	25.0	24.0	96	77-120	
Methylcyclohexane	25.0	22.0	88	68-134	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P0816.D
 Lab ID: LCS 480-323329/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylene Chloride	25.0	24.5	98	75-124	
Styrene	25.0	24.3	97	80-120	
Tetrachloroethene	25.0	28.2	113	74-122	
Toluene	25.0	23.6	94	80-122	
trans-1,2-Dichloroethene	25.0	23.8	95	73-127	
trans-1,3-Dichloropropene	25.0	25.1	101	80-120	
Trichloroethene	25.0	24.5	98	74-123	
Trichlorofluoromethane	25.0	25.2	101	62-150	
Vinyl chloride	25.0	24.1	96	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P0841.D
 Lab ID: LCS 480-323358/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	24.9	100	73-126	
1,1,2,2-Tetrachloroethane	25.0	22.9	92	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.3	97	61-148	
1,1,2-Trichloroethane	25.0	23.3	93	76-122	
1,1-Dichloroethane	25.0	22.7	91	77-120	
1,1-Dichloroethene	25.0	23.9	96	66-127	
1,2,3-Trimethylbenzene	25.0	22.5	90	78-120	
1,2,4-Trichlorobenzene	25.0	21.9	88	79-122	
1,2,4-Trimethylbenzene	25.0	22.7	91	76-121	
1,2-Dibromo-3-Chloropropane	25.0	22.1	88	56-134	
1,2-Dibromoethane	25.0	24.6	98	77-120	
1,2-Dichlorobenzene	25.0	23.6	94	80-124	
1,2-Dichloroethane	25.0	25.5	102	75-120	
1,2-Dichloropropane	25.0	22.7	91	76-120	
1,3,5-Trimethylbenzene	25.0	22.8	91	77-121	
1,3-Dichlorobenzene	25.0	23.6	94	77-120	
1,4-Dichlorobenzene	25.0	22.9	92	80-120	
2-Butanone (MEK)	125	203	162	57-140	*
2-Hexanone	125	115	92	65-127	
4-Methyl-2-pentanone (MIBK)	125	109	88	71-125	
Acetone	125	123	98	56-142	
Benzene	25.0	22.6	91	71-124	
Bromodichloromethane	25.0	25.2	101	80-122	
Bromoform	25.0	26.2	105	61-132	
Bromomethane	25.0	21.5	86	55-144	
Carbon disulfide	25.0	27.5	110	59-134	
Carbon tetrachloride	25.0	26.5	106	72-134	
Chlorobenzene	25.0	24.1	96	80-120	
Chloroethane	25.0	17.9	72	69-136	
Chloroform	25.0	23.9	96	73-127	
Chloromethane	25.0	23.1	93	68-124	
cis-1,2-Dichloroethene	25.0	23.9	96	74-124	
cis-1,3-Dichloropropene	25.0	25.2	101	74-124	
Cyclohexane	25.0	22.5	90	59-135	
Dibromochloromethane	25.0	25.5	102	75-125	
Dichlorodifluoromethane	25.0	30.7	123	59-135	
Ethylbenzene	25.0	23.4	94	77-123	
Isopropylbenzene	25.0	22.0	88	77-122	
Methyl acetate	125	113	90	74-133	
Methyl tert-butyl ether	25.0	24.2	97	77-120	
Methylcyclohexane	25.0	21.8	87	68-134	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P0841.D
 Lab ID: LCS 480-323358/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylene Chloride	25.0	24.3	97	75-124	
Styrene	25.0	23.5	94	80-120	
Tetrachloroethene	25.0	26.8	107	74-122	
Toluene	25.0	22.5	90	80-122	
trans-1,2-Dichloroethene	25.0	23.2	93	73-127	
trans-1,3-Dichloropropene	25.0	24.6	98	80-120	
Trichloroethene	25.0	23.9	95	74-123	
Trichlorofluoromethane	25.0	25.3	101	62-150	
Vinyl chloride	25.0	23.0	92	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P0901.D
 Lab ID: LCS 480-323586/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.2	101	73-126	
1,1,2,2-Tetrachloroethane	25.0	22.1	89	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.1	96	61-148	
1,1,2-Trichloroethane	25.0	23.3	93	76-122	
1,1-Dichloroethane	25.0	22.9	92	77-120	
1,1-Dichloroethene	25.0	23.7	95	66-127	
1,2,3-Trimethylbenzene	25.0	23.1	93	78-120	
1,2,4-Trichlorobenzene	25.0	22.3	89	79-122	
1,2,4-Trimethylbenzene	25.0	22.8	91	76-121	
1,2-Dibromo-3-Chloropropane	25.0	22.0	88	56-134	
1,2-Dibromoethane	25.0	23.9	96	77-120	
1,2-Dichlorobenzene	25.0	23.9	95	80-124	
1,2-Dichloroethane	25.0	25.2	101	75-120	
1,2-Dichloropropane	25.0	23.0	92	76-120	
1,3,5-Trimethylbenzene	25.0	22.6	90	77-121	
1,3-Dichlorobenzene	25.0	23.4	94	77-120	
1,4-Dichlorobenzene	25.0	22.7	91	80-120	
2-Butanone (MEK)	125	195	156	57-140	*
2-Hexanone	125	110	88	65-127	
4-Methyl-2-pentanone (MIBK)	125	107	85	71-125	
Acetone	125	99.9	80	56-142	
Benzene	25.0	22.6	90	71-124	
Bromodichloromethane	25.0	25.7	103	80-122	
Bromoform	25.0	26.3	105	61-132	
Bromomethane	25.0	27.5	110	55-144	
Carbon disulfide	25.0	27.7	111	59-134	
Carbon tetrachloride	25.0	26.8	107	72-134	
Chlorobenzene	25.0	24.0	96	80-120	
Chloroethane	25.0	26.5	106	69-136	
Chloroform	25.0	24.0	96	73-127	
Chloromethane	25.0	21.4	86	68-124	
cis-1,2-Dichloroethene	25.0	24.0	96	74-124	
cis-1,3-Dichloropropene	25.0	25.0	100	74-124	
Cyclohexane	25.0	22.2	89	59-135	
Dibromochloromethane	25.0	25.5	102	75-125	
Dichlorodifluoromethane	25.0	25.9	103	59-135	
Ethylbenzene	25.0	23.4	94	77-123	
Isopropylbenzene	25.0	22.1	88	77-122	
Methyl acetate	125	111	88	74-133	
Methyl tert-butyl ether	25.0	24.5	98	77-120	
Methylcyclohexane	25.0	21.6	86	68-134	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P0901.D
 Lab ID: LCS 480-323586/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylene Chloride	25.0	24.6	99	75-124	
Styrene	25.0	23.5	94	80-120	
Tetrachloroethene	25.0	27.2	109	74-122	
Toluene	25.0	22.6	90	80-122	
trans-1,2-Dichloroethene	25.0	23.6	94	73-127	
trans-1,3-Dichloropropene	25.0	24.8	99	80-120	
Trichloroethene	25.0	24.0	96	74-123	
Trichlorofluoromethane	25.0	26.3	105	62-150	
Vinyl chloride	25.0	22.0	88	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P0859.D
 Lab ID: 480-106799-8 MS Client ID: 4009-14 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	1.0 U	28.3	113	73-126	
1,1,2,2-Tetrachloroethane	25.0	1.0 U	24.0	96	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	1.0 U	26.2	105	61-148	
1,1,2-Trichloroethane	25.0	1.0 U	25.3	101	76-122	
1,1-Dichloroethane	25.0	1.0 U	25.3	101	77-120	
1,1-Dichloroethene	25.0	1.0 U	26.8	107	66-127	
1,2,3-Trimethylbenzene	25.0	1.0 U	23.5	94	78-120	
1,2,4-Trichlorobenzene	25.0	1.0 U	23.0	92	79-122	
1,2,4-Trimethylbenzene	25.0	1.0 U	24.0	96	76-121	
1,2-Dibromo-3-Chloropropane	25.0	1.0 U	23.1	92	56-134	
1,2-Dibromoethane	25.0	1.0 U	25.7	103	77-120	
1,2-Dichlorobenzene	25.0	1.0 U	25.0	100	80-124	
1,2-Dichloroethane	25.0	1.0 U	28.1	112	75-120	
1,2-Dichloropropane	25.0	1.0 U	24.2	97	76-120	
1,3,5-Trimethylbenzene	25.0	1.0 U	24.0	96	77-121	
1,3-Dichlorobenzene	25.0	1.0 U	24.3	97	77-120	
1,4-Dichlorobenzene	25.0	1.0 U	23.7	95	78-124	
2-Butanone (MEK)	125	10 U	199	159	57-140	*
2-Hexanone	125	5.0 U	117	93	65-127	
4-Methyl-2-pentanone (MIBK)	125	5.0 U	115	92	71-125	
Acetone	125	10 U	143	114	56-142	
Benzene	25.0	15	36.9	86	71-124	
Bromodichloromethane	25.0	1.0 U	27.7	111	80-122	
Bromoform	25.0	1.0 U	26.5	106	61-132	
Bromomethane	25.0	1.0 U	25.6	102	55-144	
Carbon disulfide	25.0	1.0 U	25.7	103	59-134	
Carbon tetrachloride	25.0	1.0 U	30.2	121	72-134	
Chlorobenzene	25.0	1.0 U	25.7	103	80-120	
Chloroethane	25.0	1.0 U	24.1	96	69-136	
Chloroform	25.0	1.0 U	26.7	107	73-127	
Chloromethane	25.0	1.0 U	24.4	97	68-124	
cis-1,2-Dichloroethene	25.0	1.0 U	26.0	104	74-124	
cis-1,3-Dichloropropene	25.0	1.0 U	25.5	102	74-124	
Cyclohexane	25.0	1.0 U	22.4	90	59-135	
Dibromochloromethane	25.0	1.0 U	27.4	110	75-125	
Dichlorodifluoromethane	25.0	1.0 U	31.6	127	59-135	
Ethylbenzene	25.0	1.0 U	25.4	101	77-123	
Isopropylbenzene	25.0	1.0 U	23.4	94	77-122	
Methyl acetate	125	2.5 U	113	90	74-133	
Methyl tert-butyl ether	25.0	1.0 U	25.8	103	77-120	
Methylcyclohexane	25.0	1.0 U	22.8	91	68-134	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P0859.D
 Lab ID: 480-106799-8 MS Client ID: 4009-14 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Methylene Chloride	25.0	1.0 U	30.6	122	75-124	
Styrene	25.0	1.0 U	24.7	99	80-120	
Tetrachloroethene	25.0	1.0 U	27.1	108	74-122	
Toluene	25.0	0.55 J	24.7	97	80-122	
trans-1,2-Dichloroethene	25.0	1.0 U	25.8	103	73-127	
trans-1,3-Dichloropropene	25.0	1.0 U	24.7	99	80-120	
Trichloroethene	25.0	1.0 U	26.5	106	74-123	
Trichlorofluoromethane	25.0	1.0 U	28.2	113	62-150	
Vinyl chloride	25.0	1.0 U	24.0	96	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P0920.D
 Lab ID: 480-106799-17 MS Client ID: 4009-27I MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	1.0 U	27.2	109	73-126	
1,1,2,2-Tetrachloroethane	25.0	1.0 U	20.7	83	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	1.0 U	26.3	105	61-148	
1,1,2-Trichloroethane	25.0	1.0 U	22.3	89	76-122	
1,1-Dichloroethane	25.0	1.0 U	23.4	93	77-120	
1,1-Dichloroethene	25.0	1.0 U	24.7	99	66-127	
1,2,4-Trichlorobenzene	25.0	1.0 U	21.1	84	79-122	
1,2,4-Trimethylbenzene	25.0	1.0 U	22.1	88	76-121	
1,2-Dibromo-3-Chloropropane	25.0	1.0 U	20.2	81	56-134	
1,2-Dibromoethane	25.0	1.0 U	23.0	92	77-120	
1,2-Dichlorobenzene	25.0	1.0 U	22.5	90	80-124	
1,2-Dichloroethane	25.0	1.0 U	25.2	101	75-120	
1,2-Dichloropropane	25.0	1.0 U	22.8	91	76-120	
1,3,5-Trimethylbenzene	25.0	1.0 U	22.2	89	77-121	
1,3-Dichlorobenzene	25.0	1.0 U	22.6	90	77-120	
1,4-Dichlorobenzene	25.0	1.0 U	22.2	89	78-124	
2-Butanone (MEK)	125	10 U	186	149	57-140	*
2-Hexanone	125	5.0 U	107	85	65-127	
4-Methyl-2-pentanone (MIBK)	125	5.0 U	102	81	71-125	
Acetone	125	10 U	102	82	56-142	
Benzene	25.0	4.6	26.8	89	71-124	
Bromodichloromethane	25.0	1.0 U	25.1	100	80-122	
Bromoform	25.0	1.0 U	24.3	97	61-132	
Bromomethane	25.0	1.0 U	37.2	149	55-144	*
Carbon disulfide	25.0	1.0 U	28.8	115	59-134	
Carbon tetrachloride	25.0	1.0 U	29.1	116	72-134	
Chlorobenzene	25.0	1.0 U	24.1	96	80-120	
Chloroethane	25.0	1.0 U	36.9	148	69-136	*
Chloroform	25.0	1.0 U	24.6	99	73-127	
Chloromethane	25.0	1.0 U	22.8	91	68-124	
cis-1,2-Dichloroethene	25.0	1.0 U	24.1	96	74-124	
cis-1,3-Dichloropropene	25.0	1.0 U	22.6	90	74-124	
Cyclohexane	25.0	1.0 U	22.9	92	59-135	
Dibromochloromethane	25.0	1.0 U	24.8	99	75-125	
Dichlorodifluoromethane	25.0	1.0 U	30.4	122	59-135	
Ethylbenzene	25.0	1.0 U	23.7	95	77-123	
Isopropylbenzene	25.0	1.0 U	21.6	86	77-122	
Methyl acetate	125	2.5 U	96.9	78	74-133	
Methyl tert-butyl ether	25.0	1.0 U	23.2	93	77-120	
Methylcyclohexane	25.0	1.0 U	22.7	91	68-134	
Methylene Chloride	25.0	1.0 U	23.8	95	75-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P0920.D
 Lab ID: 480-106799-17 MS Client ID: 4009-27I MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Styrene	25.0	1.0 U	22.9	92	80-120	
Tetrachloroethene	25.0	1.0 U	25.4	101	74-122	
Toluene	25.0	1.0 U	23.2	93	80-122	
trans-1,2-Dichloroethene	25.0	1.0 U	24.7	99	73-127	
trans-1,3-Dichloropropene	25.0	1.0 U	22.3	89	80-120	
Trichloroethene	25.0	1.0 U	24.2	97	74-123	
Trichlorofluoromethane	25.0	1.0 U	31.7	127	62-150	
Vinyl chloride	25.0	1.0 U	24.9	100	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P0860.D
 Lab ID: 480-106799-8 MSD Client ID: 4009-14 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	25.0	26.8	107	5	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.8	95	1	15	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.9	99	5	20	61-148	
1,1,2-Trichloroethane	25.0	24.7	99	2	15	76-122	
1,1-Dichloroethane	25.0	24.1	96	5	20	77-120	
1,1-Dichloroethene	25.0	25.1	100	6	16	66-127	
1,2,3-Trimethylbenzene	25.0	23.5	94	0	20	78-120	
1,2,4-Trichlorobenzene	25.0	22.9	92	0	20	79-122	
1,2,4-Trimethylbenzene	25.0	23.5	94	2	20	76-121	
1,2-Dibromo-3-Chloropropane	25.0	22.9	92	1	15	56-134	
1,2-Dibromoethane	25.0	26.0	104	1	15	77-120	
1,2-Dichlorobenzene	25.0	24.7	99	1	20	80-124	
1,2-Dichloroethane	25.0	27.2	109	3	20	75-120	
1,2-Dichloropropane	25.0	23.8	95	2	20	76-120	
1,3,5-Trimethylbenzene	25.0	23.5	94	2	20	77-121	
1,3-Dichlorobenzene	25.0	24.1	97	1	20	77-120	
1,4-Dichlorobenzene	25.0	23.7	95	0	20	78-124	
2-Butanone (MEK)	125	200	160	0	20	57-140	*
2-Hexanone	125	120	96	3	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	116	93	1	35	71-125	
Acetone	125	135	108	6	15	56-142	
Benzene	25.0	35.8	81	3	13	71-124	
Bromodichloromethane	25.0	26.6	106	4	15	80-122	
Bromoform	25.0	26.1	104	2	15	61-132	
Bromomethane	25.0	26.9	108	5	15	55-144	
Carbon disulfide	25.0	29.0	116	12	15	59-134	
Carbon tetrachloride	25.0	28.5	114	6	15	72-134	
Chlorobenzene	25.0	25.4	101	1	25	80-120	
Chloroethane	25.0	23.0	92	5	15	69-136	
Chloroform	25.0	25.3	101	5	20	73-127	
Chloromethane	25.0	24.4	98	0	15	68-124	
cis-1,2-Dichloroethene	25.0	24.6	99	5	15	74-124	
cis-1,3-Dichloropropene	25.0	25.1	100	2	15	74-124	
Cyclohexane	25.0	22.7	91	1	20	59-135	
Dibromochloromethane	25.0	27.0	108	2	15	75-125	
Dichlorodifluoromethane	25.0	29.6	118	7	20	59-135	
Ethylbenzene	25.0	24.9	100	2	15	77-123	
Isopropylbenzene	25.0	22.8	91	2	20	77-122	
Methyl acetate	125	111	89	1	20	74-133	
Methyl tert-butyl ether	25.0	25.5	102	1	37	77-120	
Methylcyclohexane	25.0	21.9	87	4	20	68-134	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P0860.D
 Lab ID: 480-106799-8 MSD Client ID: 4009-14 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylene Chloride	25.0	29.3	117	4	15	75-124	
Styrene	25.0	24.6	98	0	20	80-120	
Tetrachloroethene	25.0	25.9	103	5	20	74-122	
Toluene	25.0	24.5	96	1	15	80-122	
trans-1,2-Dichloroethene	25.0	24.7	99	4	20	73-127	
trans-1,3-Dichloropropene	25.0	25.0	100	1	15	80-120	
Trichloroethene	25.0	25.1	100	5	16	74-123	
Trichlorofluoromethane	25.0	28.1	113	0	20	62-150	
Vinyl chloride	25.0	24.1	96	0	15	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P0921.D
 Lab ID: 480-106799-17 MSD Client ID: 4009-27I MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	25.0	27.4	109	1	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	21.5	86	4	15	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.0	104	1	20	61-148	
1,1,2-Trichloroethane	25.0	23.3	93	4	15	76-122	
1,1-Dichloroethane	25.0	23.4	94	0	20	77-120	
1,1-Dichloroethene	25.0	25.3	101	2	16	66-127	
1,2,4-Trichlorobenzene	25.0	21.4	86	2	20	79-122	
1,2,4-Trimethylbenzene	25.0	22.5	90	2	20	76-121	
1,2-Dibromo-3-Chloropropane	25.0	21.3	85	5	15	56-134	
1,2-Dibromoethane	25.0	24.1	97	5	15	77-120	
1,2-Dichlorobenzene	25.0	23.2	93	3	20	80-124	
1,2-Dichloroethane	25.0	25.5	102	1	20	75-120	
1,2-Dichloropropane	25.0	23.1	92	1	20	76-120	
1,3,5-Trimethylbenzene	25.0	22.8	91	3	20	77-121	
1,3-Dichlorobenzene	25.0	23.2	93	3	20	77-120	
1,4-Dichlorobenzene	25.0	22.7	91	2	20	78-124	
2-Butanone (MEK)	125	190	152	2	20	57-140	*
2-Hexanone	125	110	88	3	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	105	84	3	35	71-125	
Acetone	125	109	87	6	15	56-142	
Benzene	25.0	27.7	92	3	13	71-124	
Bromodichloromethane	25.0	25.7	103	3	15	80-122	
Bromoform	25.0	24.6	99	1	15	61-132	
Bromomethane	25.0	38.9	155	4	15	55-144	*
Carbon disulfide	25.0	29.3	117	2	15	59-134	
Carbon tetrachloride	25.0	28.9	116	1	15	72-134	
Chlorobenzene	25.0	24.8	99	3	25	80-120	
Chloroethane	25.0	32.2	129	14	15	69-136	
Chloroform	25.0	24.9	100	1	20	73-127	
Chloromethane	25.0	21.2	85	7	15	68-124	
cis-1,2-Dichloroethene	25.0	24.7	99	3	15	74-124	
cis-1,3-Dichloropropene	25.0	24.1	96	6	15	74-124	
Cyclohexane	25.0	23.6	94	3	20	59-135	
Dibromochloromethane	25.0	25.3	101	2	15	75-125	
Dichlorodifluoromethane	25.0	26.8	107	13	20	59-135	
Ethylbenzene	25.0	24.5	98	3	15	77-123	
Isopropylbenzene	25.0	22.3	89	3	20	77-122	
Methyl acetate	125	101	81	4	20	74-133	
Methyl tert-butyl ether	25.0	23.9	96	3	37	77-120	
Methylcyclohexane	25.0	22.9	92	1	20	68-134	
Methylene Chloride	25.0	24.0	96	1	15	75-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P0921.D
 Lab ID: 480-106799-17 MSD Client ID: 4009-27I MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Styrene	25.0	23.9	96	4	20	80-120	
Tetrachloroethene	25.0	26.0	104	2	20	74-122	
Toluene	25.0	23.8	95	2	15	80-122	
trans-1,2-Dichloroethene	25.0	24.4	98	1	20	73-127	
trans-1,3-Dichloropropene	25.0	23.1	92	3	15	80-120	
Trichloroethene	25.0	25.4	102	5	16	74-123	
Trichlorofluoromethane	25.0	28.9	116	9	20	62-150	
Vinyl chloride	25.0	22.9	92	8	15	65-133	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
SDG No.: _____
Lab File ID: P0819.D Lab Sample ID: MB 480-323329/6
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973P Date Analyzed: 09/30/2016 23:43
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 480-323329/4	P0816.D	09/30/2016 22:22
WELL 1-1	480-106799-1	P0825.D	10/01/2016 02:40
4009-9	480-106799-2	P0826.D	10/01/2016 03:08
4009-10	480-106799-3	P0827.D	10/01/2016 03:35
4009-11	480-106799-4	P0828.D	10/01/2016 04:02
4009-12	480-106799-5	P0829.D	10/01/2016 04:29
4009-13	480-106799-6	P0830.D	10/01/2016 04:56
4009-13A	480-106799-7	P0831.D	10/01/2016 05:24
4009-14	480-106799-8	P0832.D	10/01/2016 05:51
4009-15	480-106799-9	P0833.D	10/01/2016 06:18
4009-16	480-106799-10	P0834.D	10/01/2016 06:45
4009-16A	480-106799-11	P0835.D	10/01/2016 07:12

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
SDG No.: _____
Lab File ID: P0843.D Lab Sample ID: MB 480-323358/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973P Date Analyzed: 10/01/2016 12:04
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 480-323358/5	P0841.D	10/01/2016 11:10
4009-18	480-106799-12	P0844.D	10/01/2016 12:46
4009-19	480-106799-13	P0845.D	10/01/2016 13:13
4009-21	480-106799-14	P0846.D	10/01/2016 13:40
4009-22	480-106799-15	P0847.D	10/01/2016 14:07
4009-27S	480-106799-16	P0848.D	10/01/2016 14:34
4009-27D	480-106799-18	P0849.D	10/01/2016 15:01
4009-28	480-106799-19	P0850.D	10/01/2016 15:29
4009-29S	480-106799-20	P0851.D	10/01/2016 15:56
4009-29D	480-106799-22	P0853.D	10/01/2016 16:50
4009-30	480-106799-23	P0854.D	10/01/2016 17:17
4009-30A	480-106799-24	P0855.D	10/01/2016 17:45
4009-11A	480-106799-25	P0856.D	10/01/2016 18:12
4009-14 MS	480-106799-8 MS	P0859.D	10/01/2016 19:33
4009-14 MSD	480-106799-8 MSD	P0860.D	10/01/2016 20:00

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
SDG No.: _____
Lab File ID: P0903.D Lab Sample ID: MB 480-323586/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973P Date Analyzed: 10/03/2016 20:47
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 480-323586/5	P0901.D	10/03/2016 19:53
4009-27I	480-106799-17	P0904.D	10/03/2016 21:27
4009-29I	480-106799-21	P0905.D	10/03/2016 21:55
DUP-1_20160929	480-106799-26	P0906.D	10/03/2016 22:22
DUP-2_20160929	480-106799-27	P0907.D	10/03/2016 22:49
FIELD BLANK	480-106799-28	P0908.D	10/03/2016 23:16
TB-20160929	480-106799-29	P0909.D	10/03/2016 23:43
4009-27I MS	480-106799-17 MS	P0920.D	10/04/2016 04:43
4009-27I MSD	480-106799-17 MSD	P0921.D	10/04/2016 05:10

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

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
SDG No.: _____
Lab File ID: P0157.D BFB Injection Date: 09/15/2016
Instrument ID: HP5973P BFB Injection Time: 14:06
Analysis Batch No.: 320502

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.9
75	30.0 - 60.0 % of mass 95	46.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.4
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	86.7
175	5.0 - 9.0 % of mass 174	6.9 (8.0) 1
176	95.0 - 101.0 % of mass 174	83.5 (96.3) 1
177	5.0 - 9.0 % of mass 176	5.5 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-320502/5	P0159.D	09/15/2016	15:01
	IC 480-320502/6	P0160.D	09/15/2016	15:28
	IC 480-320502/7	P0161.D	09/15/2016	15:55
	IC 480-320502/8	P0162.D	09/15/2016	16:23
	ICIS 480-320502/9	P0163.D	09/15/2016	16:50
	IC 480-320502/10	P0164.D	09/15/2016	17:17
	IC 480-320502/11	P0165.D	09/15/2016	17:44
	IC 480-320502/13	P0167.D	09/15/2016	18:38
	IC 480-320502/14	P0168.D	09/15/2016	19:05
	IC 480-320502/15	P0169.D	09/15/2016	19:32
	IC 480-320502/16	P0170.D	09/15/2016	20:00
	IC 480-320502/17	P0171.D	09/15/2016	20:27
	IC 480-320502/18	P0172.D	09/15/2016	20:54
	IC 480-320502/19	P0173.D	09/15/2016	21:21

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

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
SDG No.: _____
Lab File ID: P0813.D BFB Injection Date: 09/30/2016
Instrument ID: HP5973P BFB Injection Time: 20:46
Analysis Batch No.: 323329

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	23.5
75	30.0 - 60.0 % of mass 95	47.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	87.8
175	5.0 - 9.0 % of mass 174	6.4 (7.2) 1
176	95.0 - 101.0 % of mass 174	83.6 (95.2) 1
177	5.0 - 9.0 % of mass 176	4.7 (5.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-323329/2	P0814.D	09/30/2016	21:28
	CCV 480-323329/3	P0815.D	09/30/2016	21:55
	LCS 480-323329/4	P0816.D	09/30/2016	22:22
	MB 480-323329/6	P0819.D	09/30/2016	23:43
WELL 1-1	480-106799-1	P0825.D	10/01/2016	02:40
4009-9	480-106799-2	P0826.D	10/01/2016	03:08
4009-10	480-106799-3	P0827.D	10/01/2016	03:35
4009-11	480-106799-4	P0828.D	10/01/2016	04:02
4009-12	480-106799-5	P0829.D	10/01/2016	04:29
4009-13	480-106799-6	P0830.D	10/01/2016	04:56
4009-13A	480-106799-7	P0831.D	10/01/2016	05:24
4009-14	480-106799-8	P0832.D	10/01/2016	05:51
4009-15	480-106799-9	P0833.D	10/01/2016	06:18
4009-16	480-106799-10	P0834.D	10/01/2016	06:45
4009-16A	480-106799-11	P0835.D	10/01/2016	07:12

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

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
SDG No.: _____
Lab File ID: P0838.D BFB Injection Date: 10/01/2016
Instrument ID: HP5973P BFB Injection Time: 09:39
Analysis Batch No.: 323358

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	23.3
75	30.0 - 60.0 % of mass 95	47.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	5.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	82.9
175	5.0 - 9.0 % of mass 174	6.5 (7.8) 1
176	95.0 - 101.0 % of mass 174	82.1 (99.0) 1
177	5.0 - 9.0 % of mass 176	5.0 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-323358/3	P0839.D	10/01/2016	10:16
	CCV 480-323358/4	P0840.D	10/01/2016	10:43
	LCS 480-323358/5	P0841.D	10/01/2016	11:10
	MB 480-323358/7	P0843.D	10/01/2016	12:04
4009-18	480-106799-12	P0844.D	10/01/2016	12:46
4009-19	480-106799-13	P0845.D	10/01/2016	13:13
4009-21	480-106799-14	P0846.D	10/01/2016	13:40
4009-22	480-106799-15	P0847.D	10/01/2016	14:07
4009-27S	480-106799-16	P0848.D	10/01/2016	14:34
4009-27D	480-106799-18	P0849.D	10/01/2016	15:01
4009-28	480-106799-19	P0850.D	10/01/2016	15:29
4009-29S	480-106799-20	P0851.D	10/01/2016	15:56
4009-29D	480-106799-22	P0853.D	10/01/2016	16:50
4009-30	480-106799-23	P0854.D	10/01/2016	17:17
4009-30A	480-106799-24	P0855.D	10/01/2016	17:45
4009-11A	480-106799-25	P0856.D	10/01/2016	18:12
4009-14 MS	480-106799-8 MS	P0859.D	10/01/2016	19:33
4009-14 MSD	480-106799-8 MSD	P0860.D	10/01/2016	20:00

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

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
SDG No.: _____
Lab File ID: P0898.D BFB Injection Date: 10/03/2016
Instrument ID: HP5973P BFB Injection Time: 18:30
Analysis Batch No.: 323586

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.6
75	30.0 - 60.0 % of mass 95	46.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	82.6
175	5.0 - 9.0 % of mass 174	6.9 (8.4) 1
176	95.0 - 101.0 % of mass 174	80.7 (97.7) 1
177	5.0 - 9.0 % of mass 176	5.6 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-323586/3	P0899.D	10/03/2016	18:58
	CCV 480-323586/4	P0900.D	10/03/2016	19:25
	LCS 480-323586/5	P0901.D	10/03/2016	19:53
	MB 480-323586/7	P0903.D	10/03/2016	20:47
4009-27I	480-106799-17	P0904.D	10/03/2016	21:27
4009-29I	480-106799-21	P0905.D	10/03/2016	21:55
DUP-1_20160929	480-106799-26	P0906.D	10/03/2016	22:22
DUP-2_20160929	480-106799-27	P0907.D	10/03/2016	22:49
FIELD BLANK	480-106799-28	P0908.D	10/03/2016	23:16
TB-20160929	480-106799-29	P0909.D	10/03/2016	23:43
4009-27I MS	480-106799-17 MS	P0920.D	10/04/2016	04:43
4009-27I MSD	480-106799-17 MSD	P0921.D	10/04/2016	05:10

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

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Sample No.: ICIS 480-320502/9 Date Analyzed: 09/15/2016 16:50
 Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): P0163.D Heated Purge: (Y/N) N
 Calibration ID: 28332

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	153518	9.83	307919	13.76	325473	16.76	
UPPER LIMIT	307036	10.33	615838	14.26	650946	17.26	
LOWER LIMIT	76759	9.33	153960	13.26	162737	16.26	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-323329/2		150111	9.82	297406	13.76	331259	16.75
CCVIS 480-323358/3		146252	9.82	287225	13.76	330033	16.75
CCVIS 480-323586/3		137106	9.82	284442	13.76	319707	16.75

FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Sample No.: CCVIS 480-323329/2 Date Analyzed: 09/30/2016 21:28
 Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): P0814.D Heated Purge: (Y/N) N
 Calibration ID: 28334

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		150111	9.82	297406	13.76	331259	16.75
UPPER LIMIT		300222	10.32	594812	14.26	662518	17.25
LOWER LIMIT		75056	9.32	148703	13.26	165630	16.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-323329/3		148211	9.82	293487	13.76	332901	16.75
LCS 480-323329/4		145162	9.83	291239	13.76	332397	16.75
MB 480-323329/6		137736	9.83	277380	13.76	320707	16.75
480-106799-1	WELL 1-1	137052	9.83	275505	13.76	314721	16.75
480-106799-2	4009-9	133152	9.82	276322	13.76	312149	16.75
480-106799-3	4009-10	131899	9.82	269882	13.76	306897	16.75
480-106799-4	4009-11	132143	9.82	265528	13.76	304918	16.75
480-106799-5	4009-12	131986	9.82	266827	13.76	307142	16.75
480-106799-6	4009-13	134439	9.82	266584	13.76	305841	16.76
480-106799-7	4009-13A	132673	9.83	265861	13.76	307278	16.75
480-106799-8	4009-14	129939	9.83	270072	13.76	302426	16.75
480-106799-9	4009-15	126717	9.83	262782	13.76	301824	16.75
480-106799-10	4009-16	128968	9.83	257483	13.76	305350	16.75
480-106799-11	4009-16A	126823	9.83	257813	13.76	304349	16.75

FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Sample No.: CCVIS 480-323358/3 Date Analyzed: 10/01/2016 10:16
 Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): P0839.D Heated Purge: (Y/N) N
 Calibration ID: 28334

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		146252	9.82	287225	13.76	330033	16.75
UPPER LIMIT		292504	10.32	574450	14.26	660066	17.25
LOWER LIMIT		73126	9.32	143613	13.26	165017	16.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-323358/4		138772	9.83	284720	13.76	325043	16.75
LCS 480-323358/5		140441	9.83	293678	13.76	326190	16.75
MB 480-323358/7		136165	9.83	271118	13.76	319766	16.75
480-106799-12	4009-18	132672	9.82	268581	13.76	304655	16.75
480-106799-13	4009-19	131147	9.83	268549	13.76	309288	16.75
480-106799-14	4009-21	134087	9.83	268855	13.76	308726	16.75
480-106799-15	4009-22	131330	9.83	263337	13.76	312358	16.75
480-106799-16	4009-27S	132167	9.83	267639	13.76	302441	16.75
480-106799-18	4009-27D	132324	9.83	266382	13.76	305148	16.76
480-106799-19	4009-28	130012	9.83	262897	13.76	302904	16.76
480-106799-20	4009-29S	128686	9.82	257129	13.76	304712	16.75
480-106799-22	4009-29D	127490	9.83	254218	13.76	292059	16.75
480-106799-23	4009-30	128150	9.83	257032	13.76	293785	16.75
480-106799-24	4009-30A	124406	9.83	255210	13.76	295133	16.75
480-106799-25	4009-11A	124355	9.83	254447	13.77	294270	16.75
480-106799-8 MS	4009-14 MS	131111	9.83	270146	13.76	312046	16.75
480-106799-8 MSD	4009-14 MSD	135584	9.83	276096	13.76	317492	16.75

FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Sample No.: CCVIS 480-323586/3 Date Analyzed: 10/03/2016 18:58
 Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): P0899.D Heated Purge: (Y/N) N
 Calibration ID: 28334

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		137106	9.82	284442	13.76	319707	16.75
UPPER LIMIT		274212	10.32	568884	14.26	639414	17.25
LOWER LIMIT		68553	9.32	142221	13.26	159854	16.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-323586/4		133541	9.82	281888	13.76	324295	16.75
LCS 480-323586/5		137098	9.83	286428	13.76	319817	16.75
MB 480-323586/7		130538	9.83	271097	13.76	316134	16.75
480-106799-17	4009-27I	131754	9.82	275043	13.76	311953	16.75
480-106799-21	4009-29I	130354	9.82	267002	13.76	310494	16.75
480-106799-26	DUP-1_20160929	127942	9.82	271125	13.76	308293	16.75
480-106799-27	DUP-2_20160929	128549	9.83	265463	13.76	308596	16.75
480-106799-28	FIELD BLANK	129771	9.83	266262	13.76	310277	16.75
480-106799-29	TB-20160929	126030	9.82	263224	13.76	305242	16.75
480-106799-17 MS	4009-27I MS	132619	9.83	279461	13.76	325870	16.75
480-106799-17 MSD	4009-27I MSD	139584	9.83	292928	13.76	336785	16.76

FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1

SDG No.: _____

Client Sample ID: WELL 1-1 Lab Sample ID: 480-106799-1

Matrix: Water Lab File ID: P0825.D

Analysis Method: 8260C Date Collected: 09/29/2016 07:35

Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 02:40

Soil Aliquot Vol: _____ Dilution Factor: 5

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

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

Analysis Batch No.: 323329 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	310		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.3		5.0	1.6
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	1.2
75-34-3	1,1-Dichloroethane	22		5.0	1.9
75-35-4	1,1-Dichloroethene	20		5.0	1.5
526-73-8	1,2,3-Trimethylbenzene	5.0	U	5.0	1.3
120-82-1	1,2,4-Trichlorobenzene	5.0	U	5.0	2.1
95-63-6	1,2,4-Trimethylbenzene	5.0	U	5.0	3.8
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.0
106-93-4	1,2-Dibromoethane	5.0	U	5.0	3.7
95-50-1	1,2-Dichlorobenzene	5.0	U	5.0	4.0
107-06-2	1,2-Dichloroethane	5.0	U	5.0	1.1
78-87-5	1,2-Dichloropropane	5.0	U	5.0	3.6
108-67-8	1,3,5-Trimethylbenzene	5.0	U	5.0	3.9
541-73-1	1,3-Dichlorobenzene	5.0	U	5.0	3.9
106-46-7	1,4-Dichlorobenzene	5.0	U	5.0	4.2
78-93-3	2-Butanone (MEK)	50	U *	50	6.6
591-78-6	2-Hexanone	25	U	25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	25	U	25	11
67-64-1	Acetone	50	U	50	15
71-43-2	Benzene	5.0	U	5.0	2.1
75-27-4	Bromodichloromethane	5.0	U	5.0	2.0
75-25-2	Bromoform	5.0	U	5.0	1.3
74-83-9	Bromomethane	5.0	U	5.0	3.5
75-15-0	Carbon disulfide	5.0	U	5.0	0.95
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.4
108-90-7	Chlorobenzene	5.0	U	5.0	3.8
75-00-3	Chloroethane	5.0	U	5.0	1.6
67-66-3	Chloroform	5.0	U	5.0	1.7
74-87-3	Chloromethane	5.0	U	5.0	1.8
156-59-2	cis-1,2-Dichloroethene	77		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	1.8
110-82-7	Cyclohexane	5.0	U	5.0	0.90
124-48-1	Dibromochloromethane	5.0	U	5.0	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Client Sample ID: WELL 1-1 Lab Sample ID: 480-106799-1
 Matrix: Water Lab File ID: P0825.D
 Analysis Method: 8260C Date Collected: 09/29/2016 07:35
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 02:40
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323329 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	5.0	U	5.0	3.4
100-41-4	Ethylbenzene	5.0	U	5.0	3.7
98-82-8	Isopropylbenzene	5.0	U	5.0	4.0
79-20-9	Methyl acetate	13	U	13	6.5
1634-04-4	Methyl tert-butyl ether	5.0	U	5.0	0.80
108-87-2	Methylcyclohexane	5.0	U	5.0	0.80
75-09-2	Methylene Chloride	5.0	U	5.0	2.2
100-42-5	Styrene	5.0	U	5.0	3.7
127-18-4	Tetrachloroethene	5.0	U	5.0	1.8
108-88-3	Toluene	5.0	U	5.0	2.6
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	1.9
79-01-6	Trichloroethene	69		5.0	2.3
75-69-4	Trichlorofluoromethane	5.0	U	5.0	4.4
75-01-4	Vinyl chloride	5.0	U	5.0	4.5
1330-20-7	Xylenes, Total	10	U	10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123
2037-26-5	Toluene-d8 (Surr)	90		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0825.D
 Lims ID: 480-106799-A-1
 Client ID: WELL 1-1
 Sample Type: Client
 Inject. Date: 01-Oct-2016 02:40:30 ALS Bottle#: 13 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 480-106799-A-1
 Misc. Info.: 480-0056891-013
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:25:22 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 10:25:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.821	0.006	98	137052	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	275505	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	314721	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.012	0.006	93	157433	23.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	94976	21.6	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	551690	22.5	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.272	0.006	93	216393	25.8	
10 Dichlorodifluoromethane	85		3.987				ND	
11 Chloromethane	50		4.291				ND	
17 Vinyl chloride	62		4.529				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.250	6.238	0.012	40	13296	1.26	
25 1,1-Dichloroethene	96	6.293	6.287	0.006	93	36554	3.97	
24 Acetone	43		6.323				ND	
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63	7.765	7.753	0.012	97	91603	4.49	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96	8.459	8.453	0.006	84	162007	15.3	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97	9.073	9.067	0.006	98	916100	62.0	
54 Cyclohexane	56		9.134				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78		9.523				ND	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95	10.278	10.272	0.006	94	139530	13.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		14.999				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO825.D

Injection Date: 01-Oct-2016 02:40:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-1

Lab Sample ID: 480-106799-1

Worklist Smp#: 13

Client ID: WELL 1-1

Purge Vol: 5.000 mL

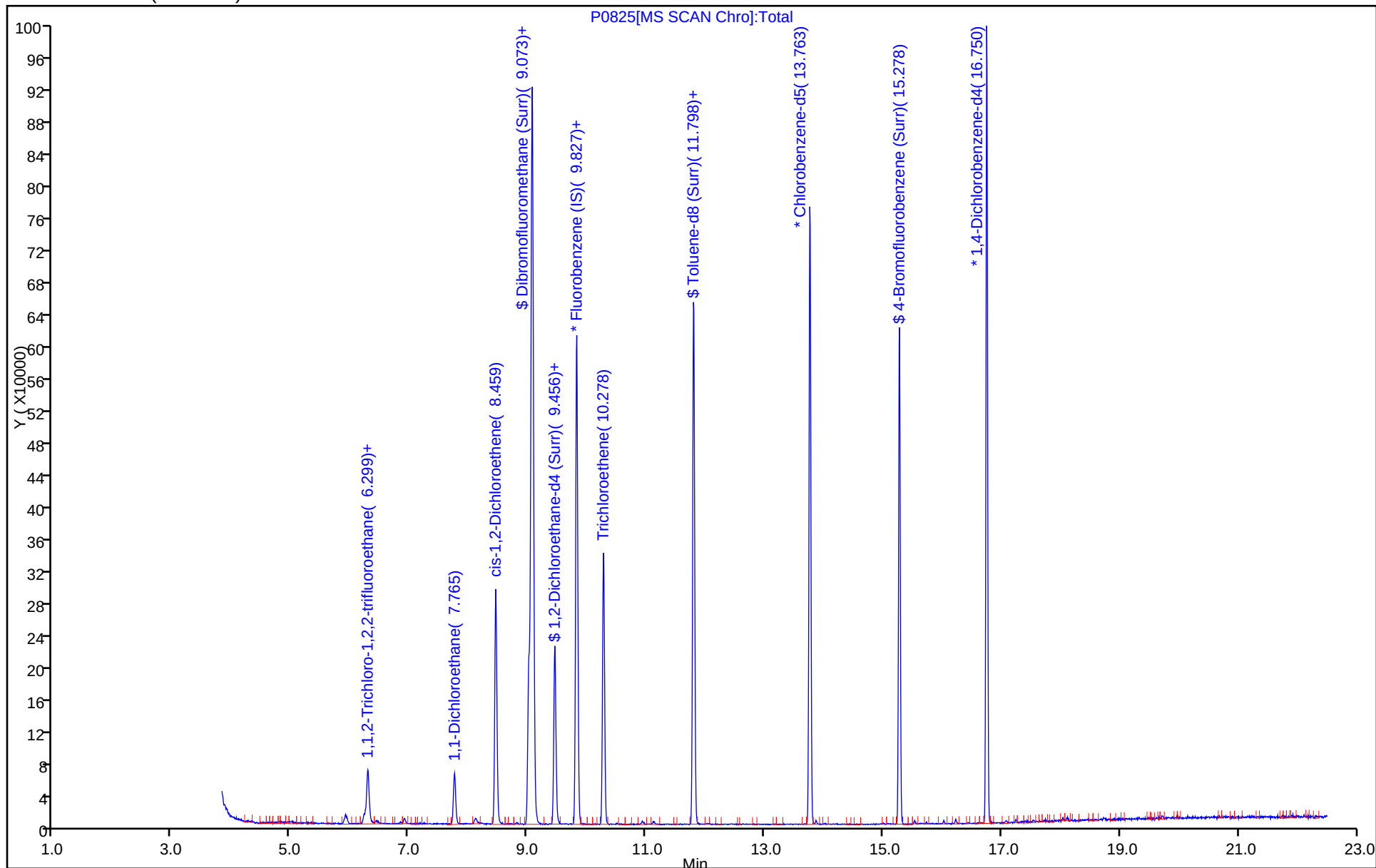
Dil. Factor: 5.0000

ALS Bottle#: 13

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO825.D

Injection Date: 01-Oct-2016 02:40:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-1

Lab Sample ID: 480-106799-1

Client ID: WELL 1-1

Operator ID: SY

ALS Bottle#: 13

Worklist Smp#: 13

Purge Vol: 5.000 mL

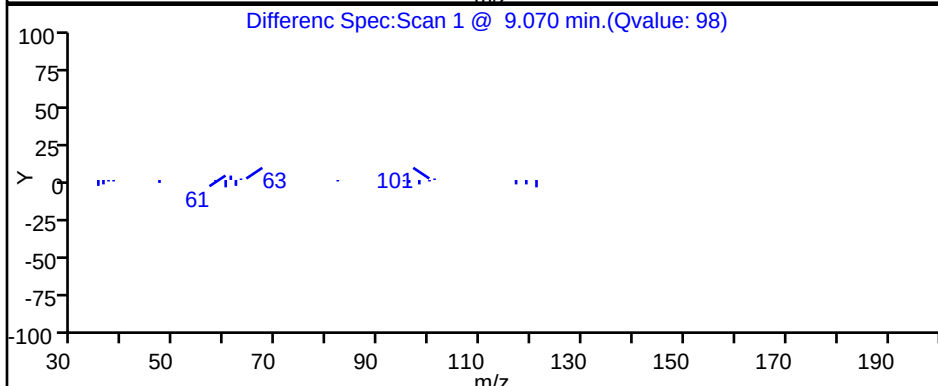
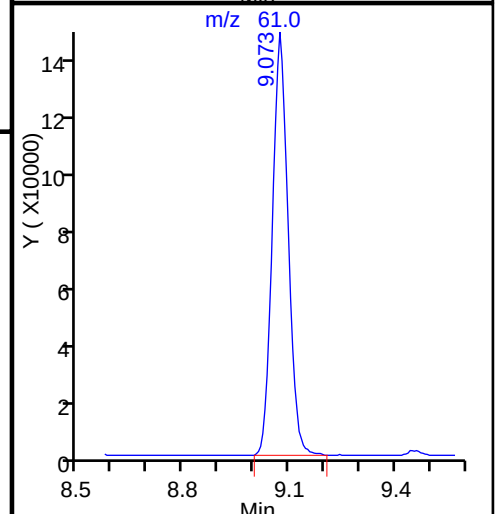
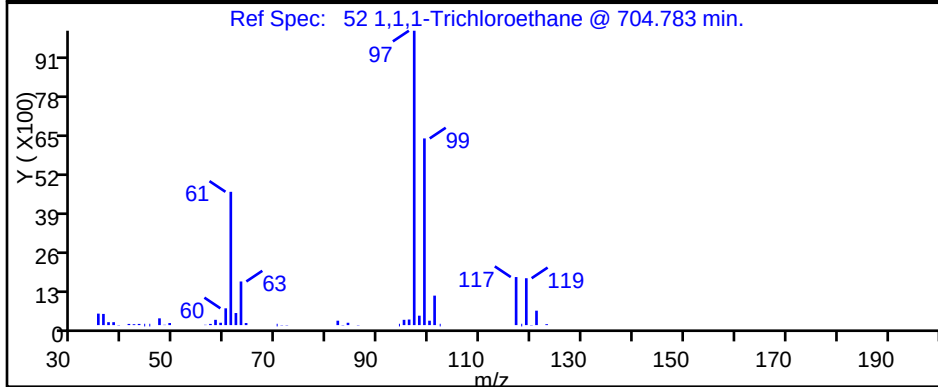
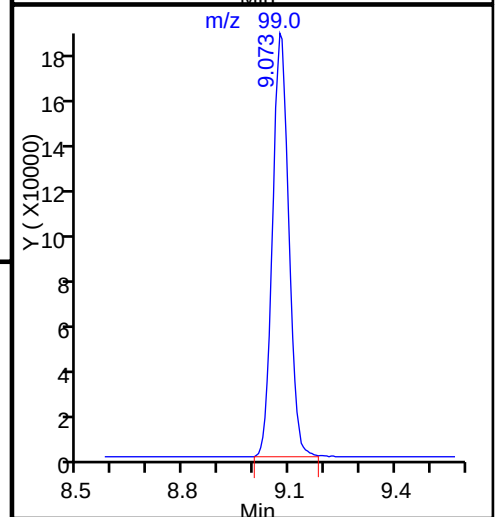
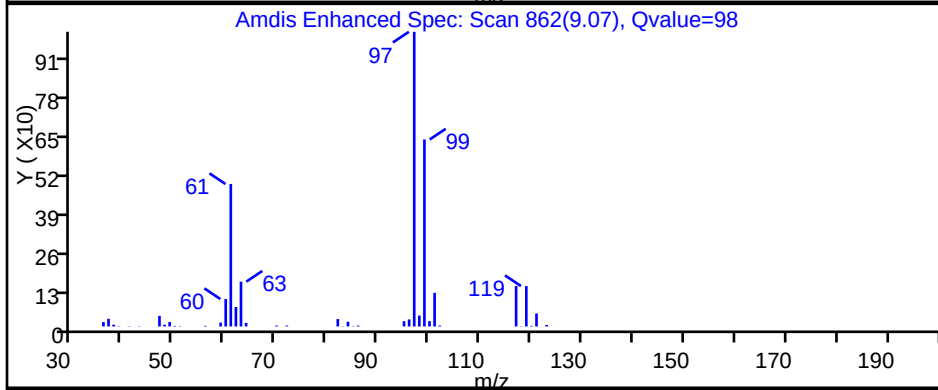
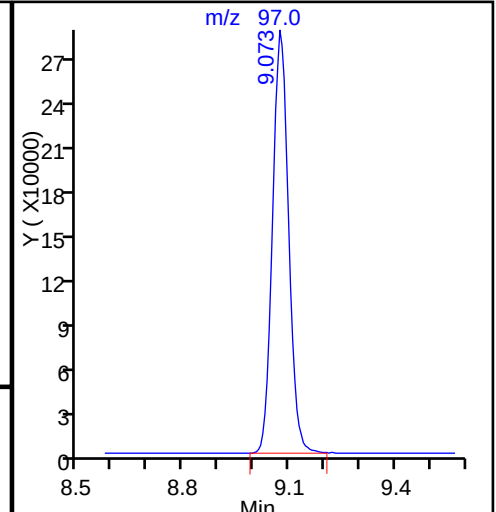
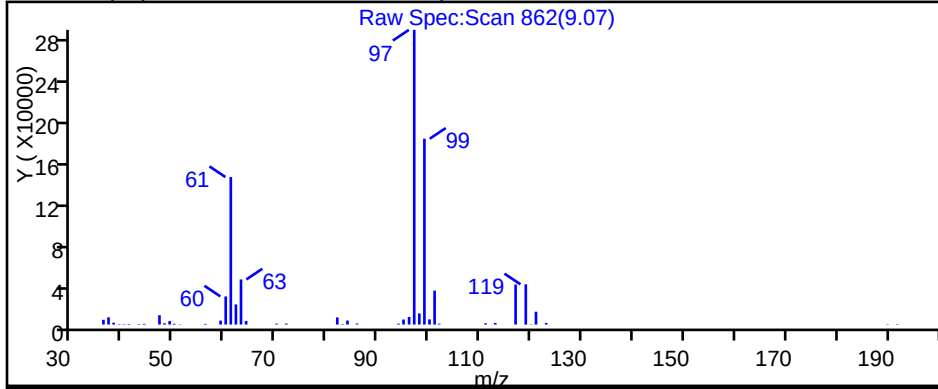
Dil. Factor: 5.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

52 1,1,1-Trichloroethane, CAS: 71-55-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO825.D

Injection Date: 01-Oct-2016 02:40:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-1

Lab Sample ID: 480-106799-1

Client ID: WELL 1-1

Operator ID: SY

ALS Bottle#: 13

Worklist Smp#: 13

Purge Vol: 5.000 mL

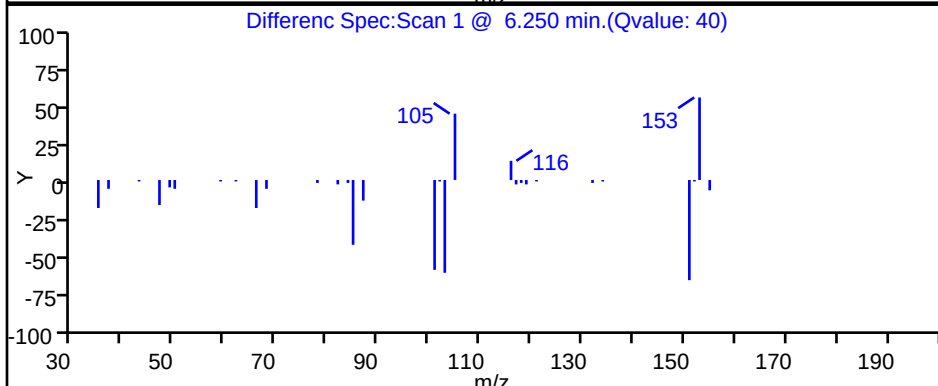
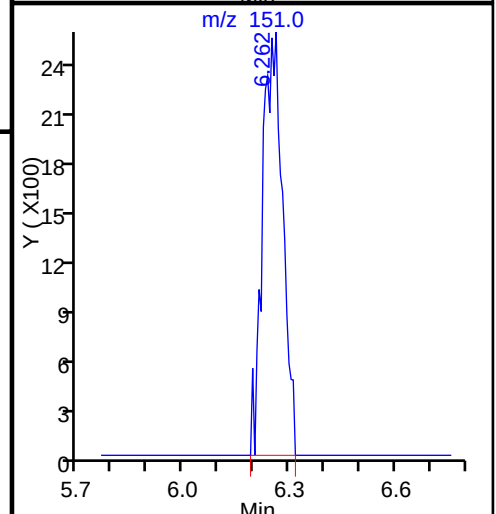
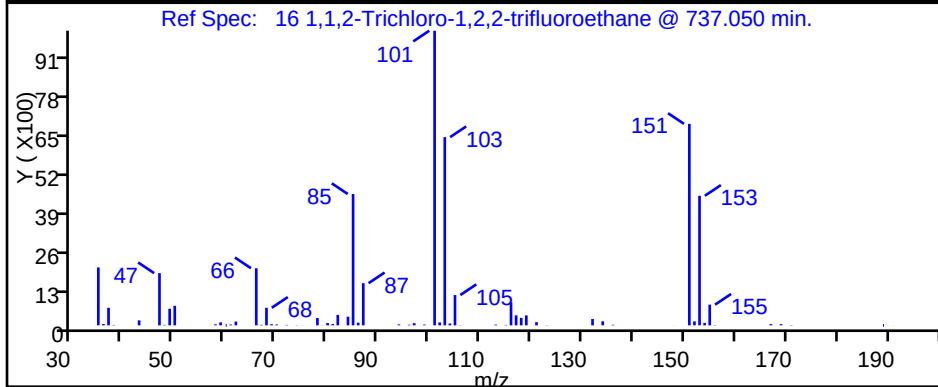
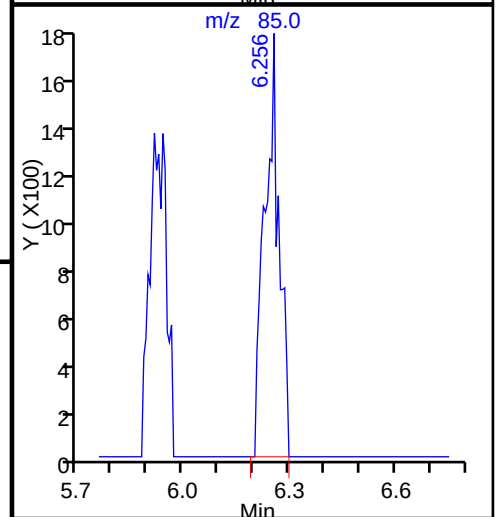
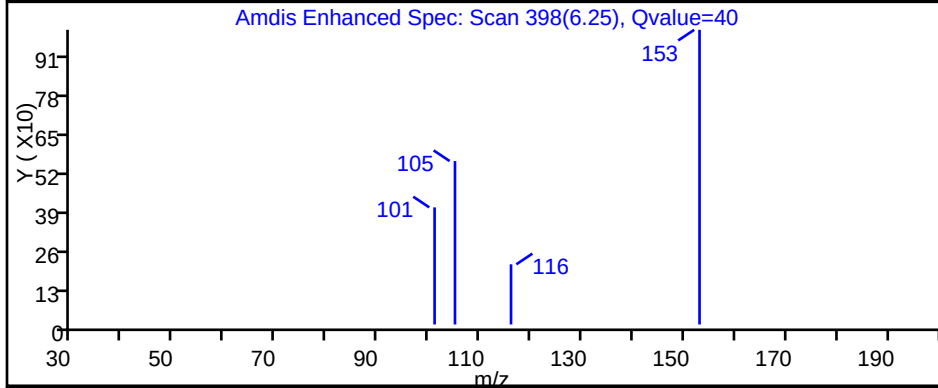
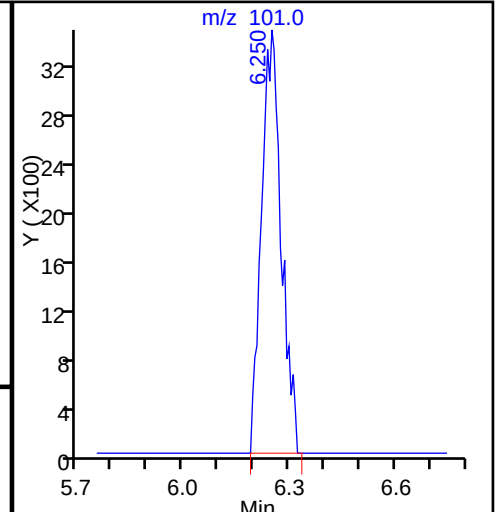
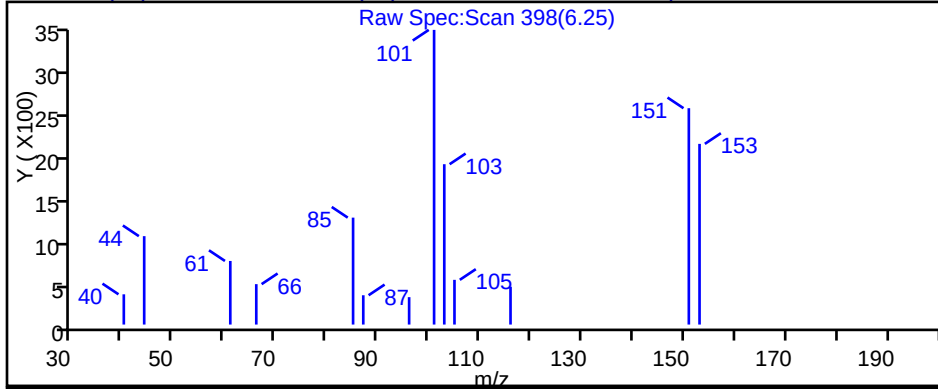
Dil. Factor: 5.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0825.D

Injection Date: 01-Oct-2016 02:40:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-1

Lab Sample ID: 480-106799-1

Client ID: WELL 1-1

Operator ID: SY

ALS Bottle#: 13

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

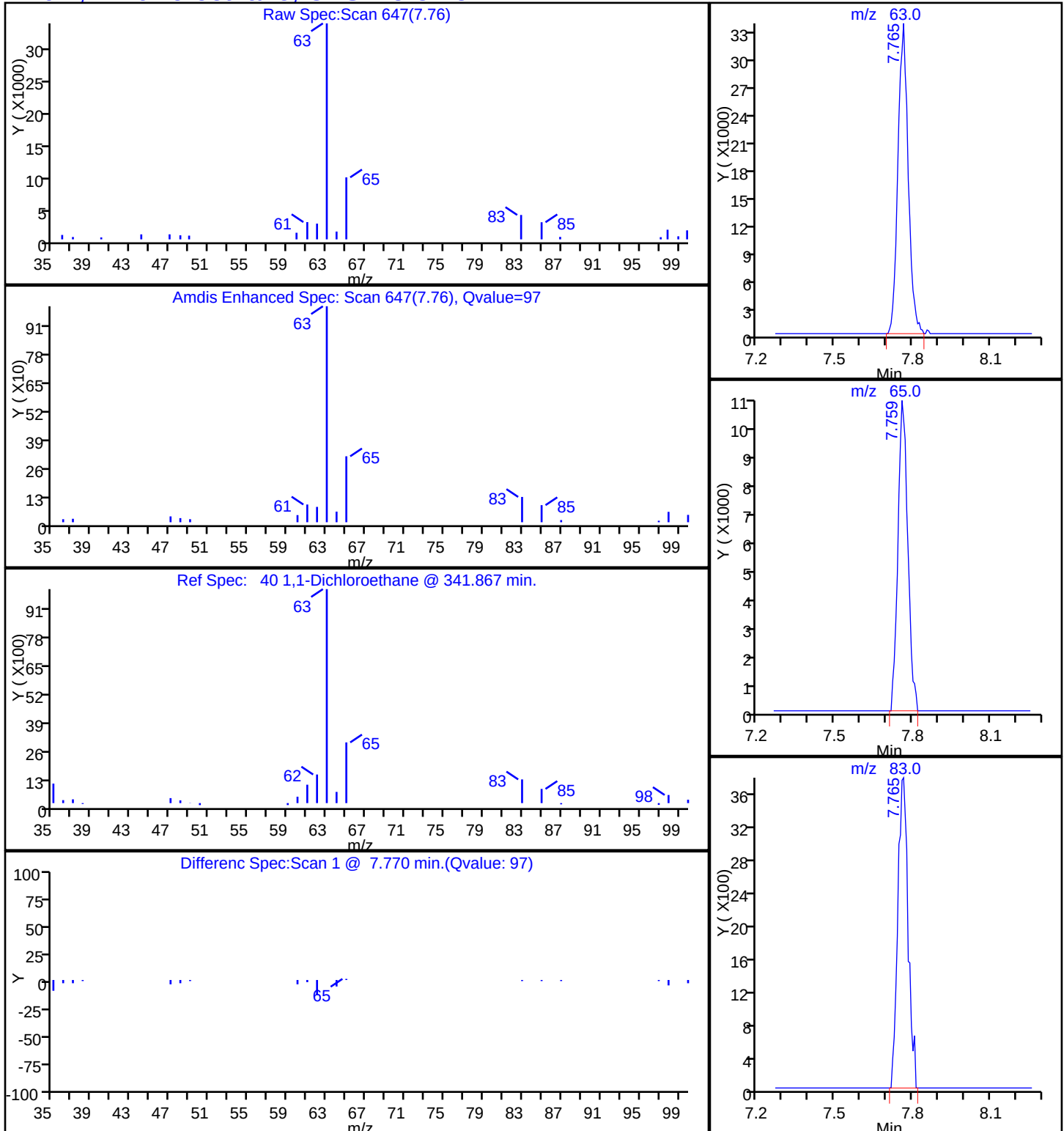
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

40 1,1-Dichloroethane, CAS: 75-34-3



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0825.D

Injection Date: 01-Oct-2016 02:40:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-1

Lab Sample ID: 480-106799-1

Client ID: WELL 1-1

Operator ID: SY

ALS Bottle#: 13

Worklist Smp#: 13

Purge Vol: 5.000 mL

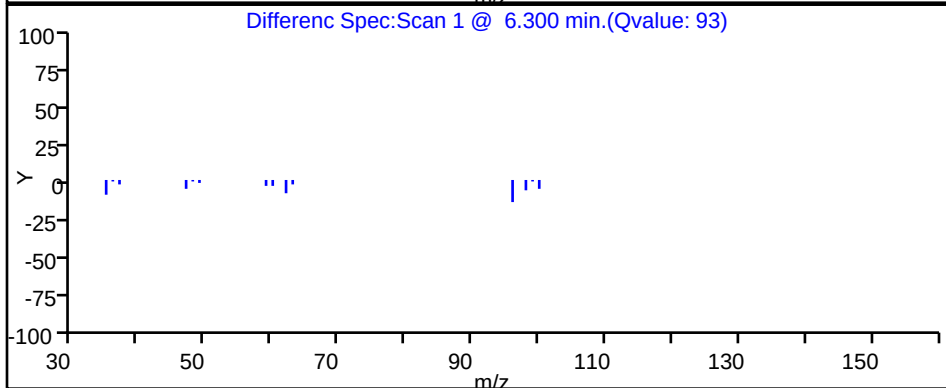
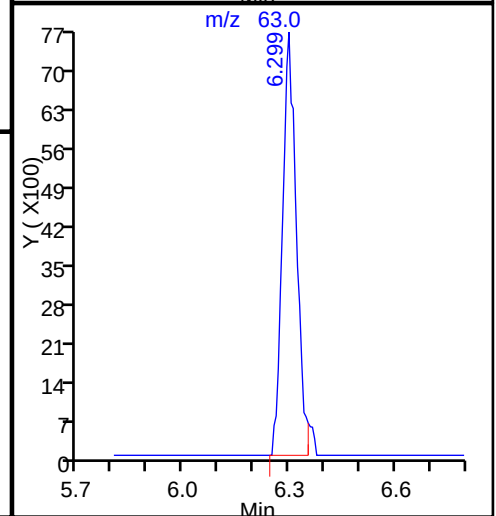
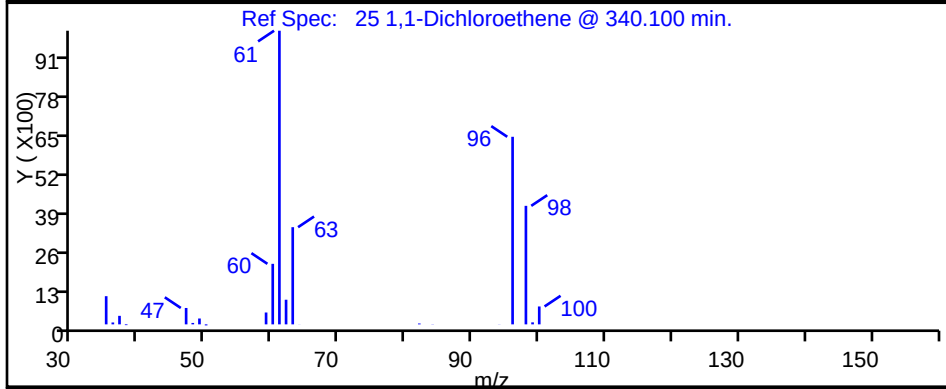
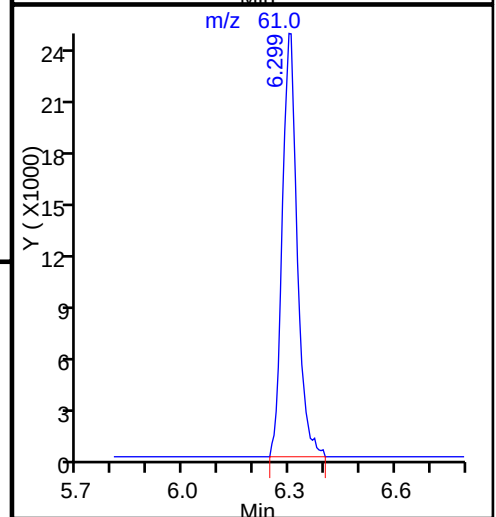
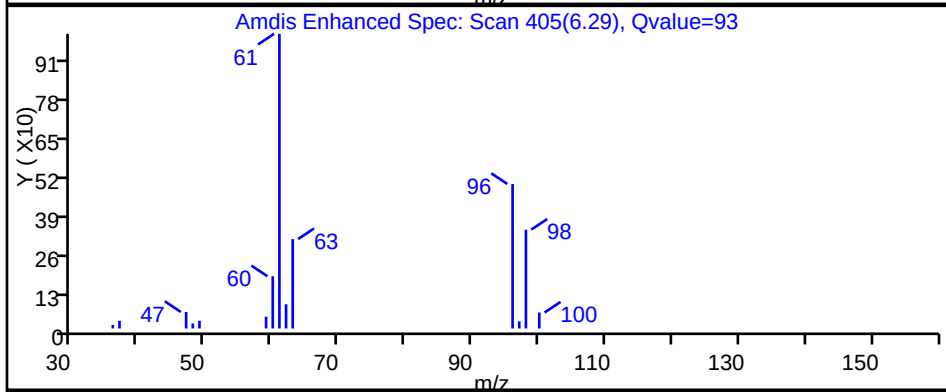
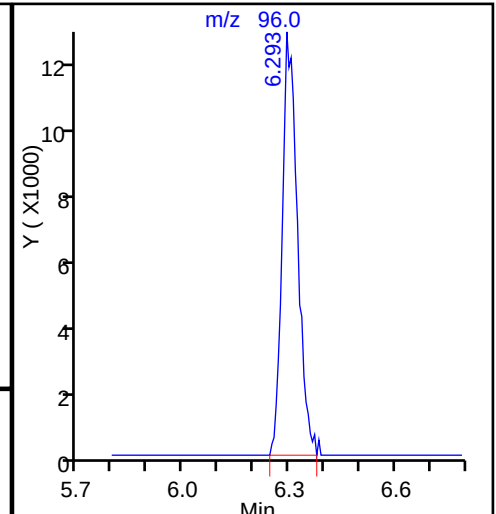
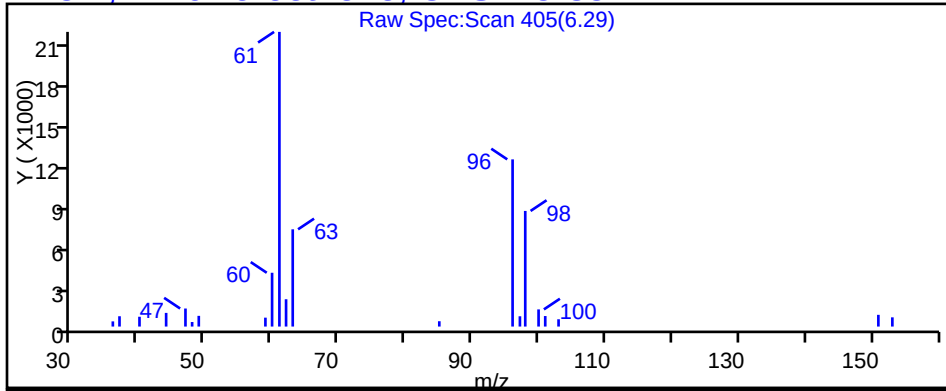
Dil. Factor: 5.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 1,1-Dichloroethene, CAS: 75-35-4

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO825.D

Injection Date: 01-Oct-2016 02:40:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-1

Lab Sample ID: 480-106799-1

Client ID: WELL 1-1

Operator ID: SY

ALS Bottle#: 13

Worklist Smp#: 13

Purge Vol: 5.000 mL

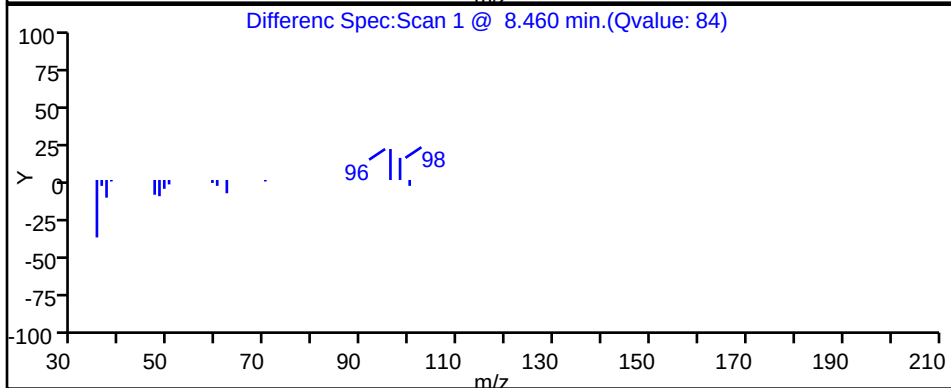
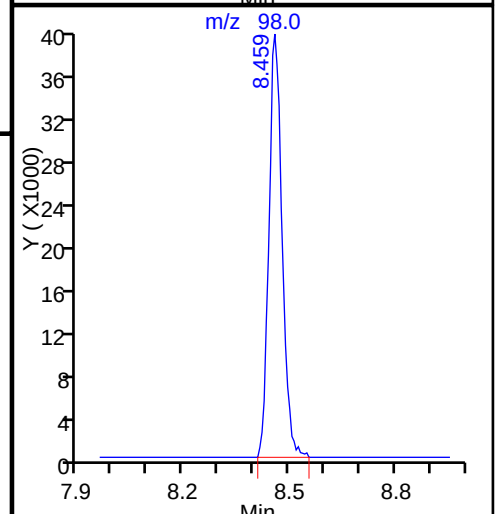
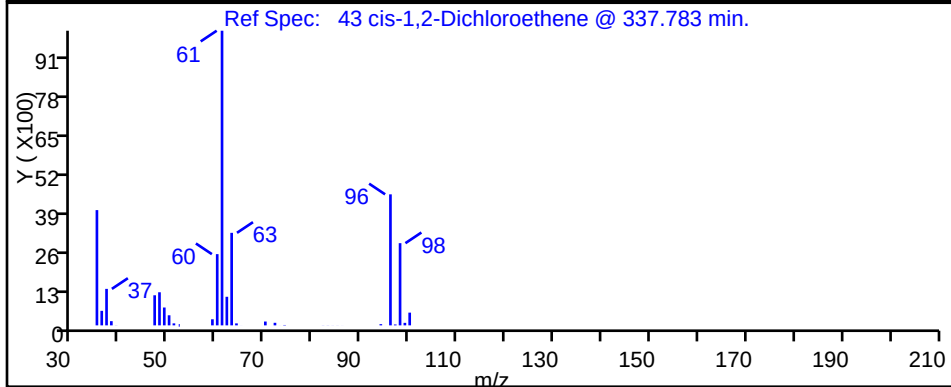
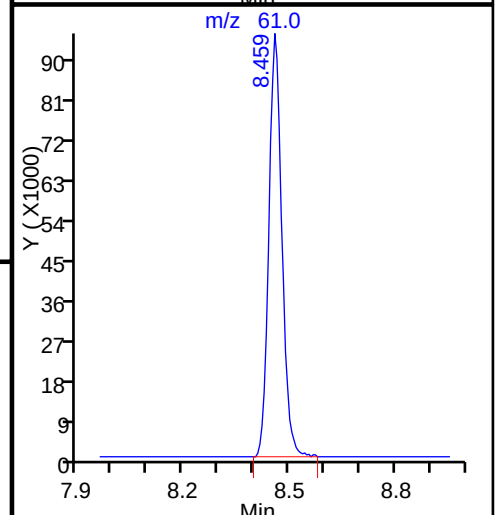
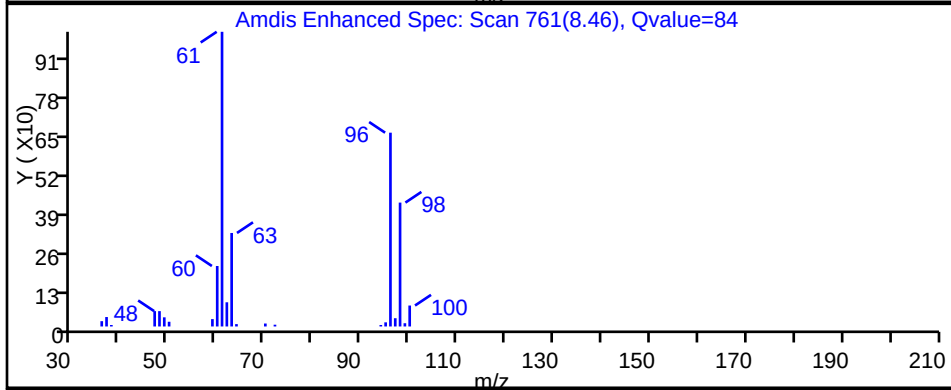
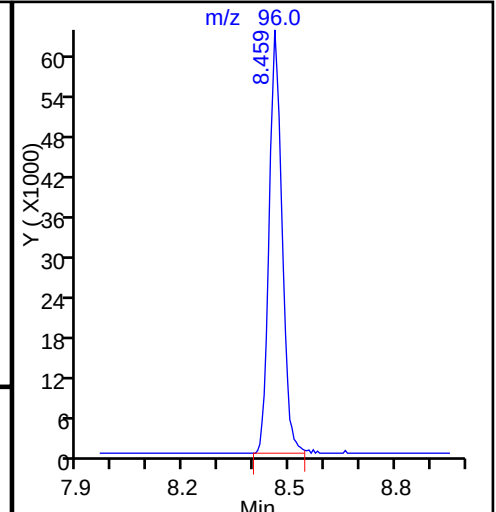
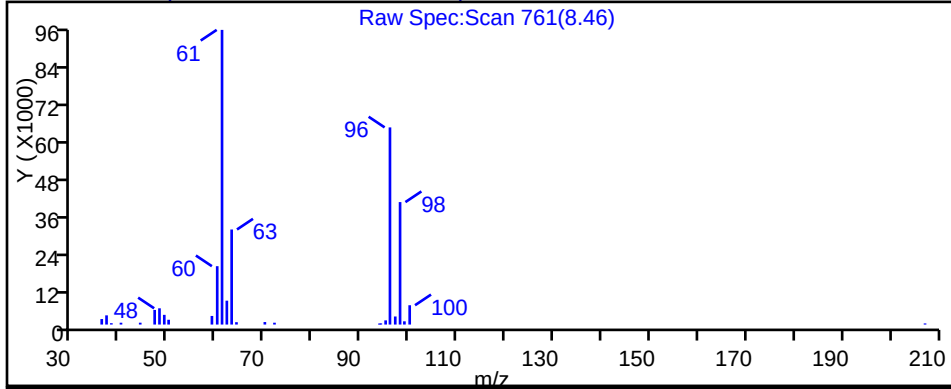
Dil. Factor: 5.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0825.D

Injection Date: 01-Oct-2016 02:40:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-1

Lab Sample ID: 480-106799-1

Client ID: WELL 1-1

Operator ID: SY

ALS Bottle#: 13

Worklist Smp#: 13

Purge Vol: 5.000 mL

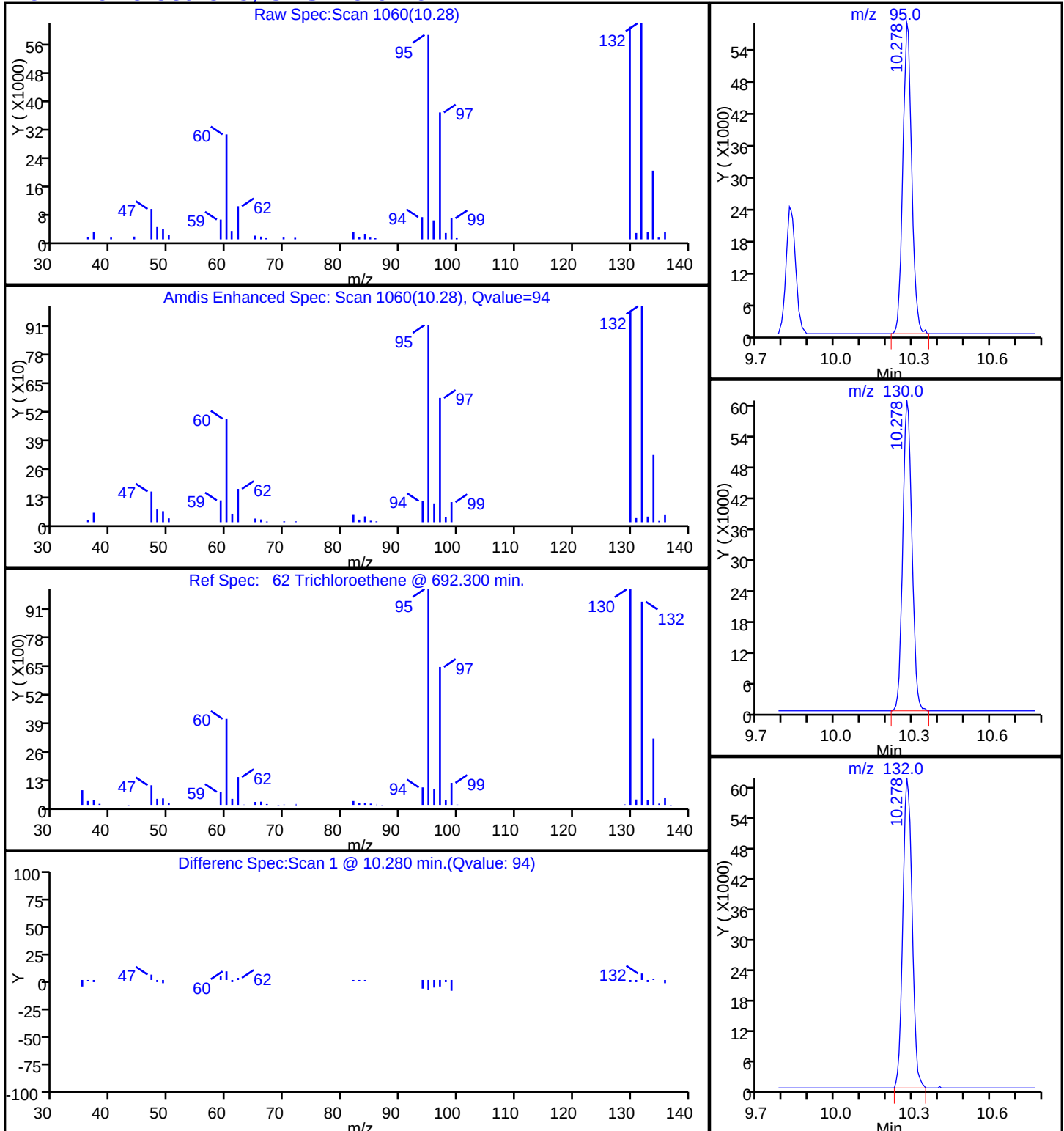
Dil. Factor: 5.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-9</u>	Lab Sample ID: <u>480-106799-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0826.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:30</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 03:08</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323329</u>	Units: <u>ug/L</u>

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	3.7		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	22		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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: 4009-9 Lab Sample ID: 480-106799-2
 Matrix: Water Lab File ID: P0826.D
 Analysis Method: 8260C Date Collected: 09/29/2016 10:30
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 03:08
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323329 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	0.57	J	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)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123
2037-26-5	Toluene-d8 (Surr)	87		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0826.D
 Lims ID: 480-106799-A-2
 Client ID: 4009-9
 Sample Type: Client
 Inject. Date: 01-Oct-2016 03:08:30 ALS Bottle#: 14 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-2
 Misc. Info.: 480-0056891-014
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:25:22 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 10:26:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.821	9.821	0.000	98	133152	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	276322	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	312149	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.012	0.000	93	156297	23.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	97481	22.8	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	92	533984	21.8	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.272	0.006	89	209944	25.0	
10 Dichlorodifluoromethane	85		3.987				ND	
11 Chloromethane	50		4.291				ND	
17 Vinyl chloride	62		4.529				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43		6.323				ND	
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63	7.759	7.753	0.006	92	6186	0.3123	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96	8.458	8.453	0.005	83	225262	21.9	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97	9.067	9.067	0.000	5	4013	0.2794	
54 Cyclohexane	56		9.134				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.523	9.523	0.000	98	134114	3.70	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95	10.271	10.272	-0.001	88	5610	0.5716	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		14.999				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO826.D

Injection Date: 01-Oct-2016 03:08:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-2

Lab Sample ID: 480-106799-2

Worklist Smp#: 14

Client ID: 4009-9

Purge Vol: 5.000 mL

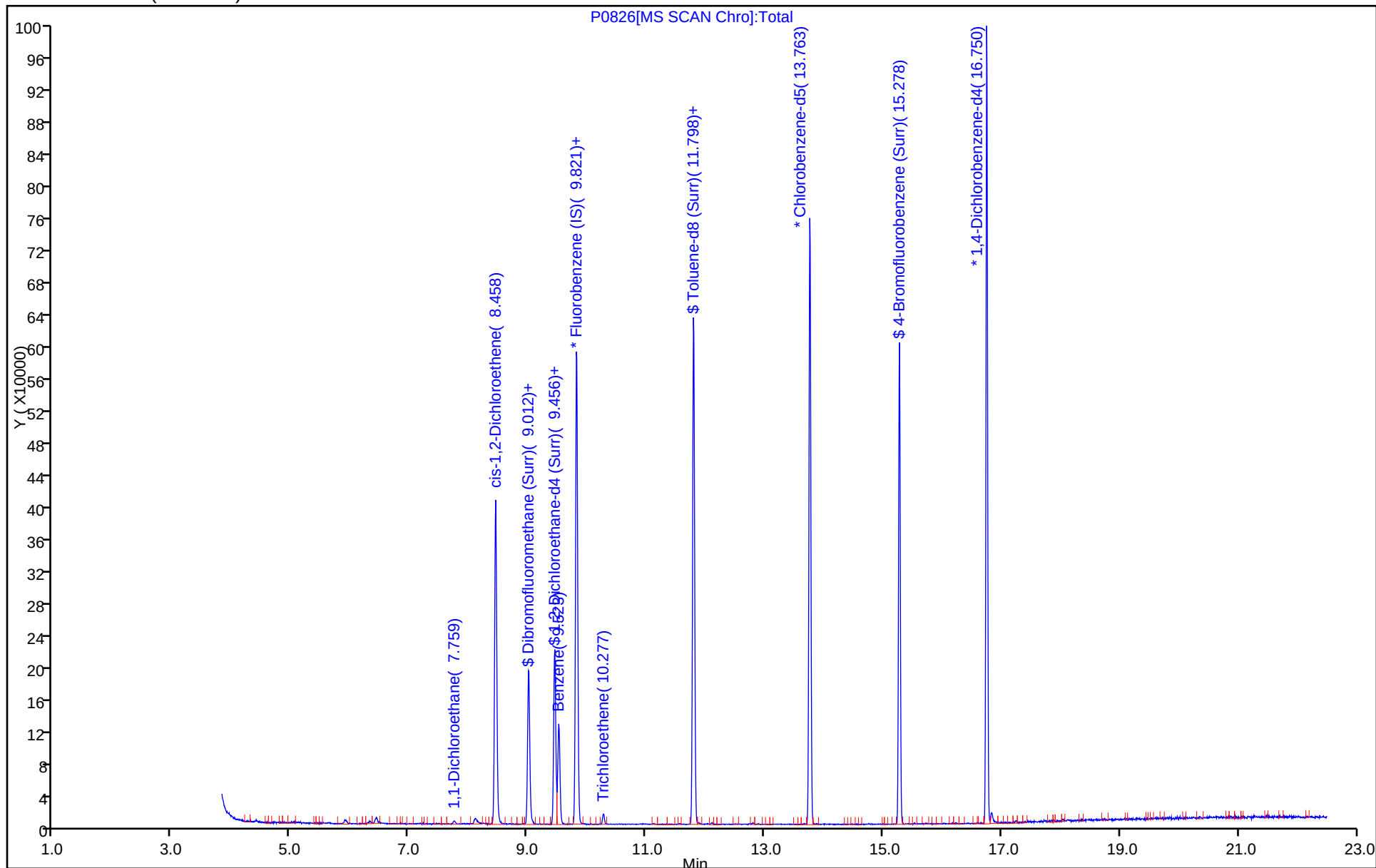
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0826.D

Injection Date: 01-Oct-2016 03:08:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-2

Lab Sample ID: 480-106799-2

Client ID: 4009-9

Operator ID: SY

ALS Bottle#: 14

Worklist Smp#: 14

Purge Vol: 5.000 mL

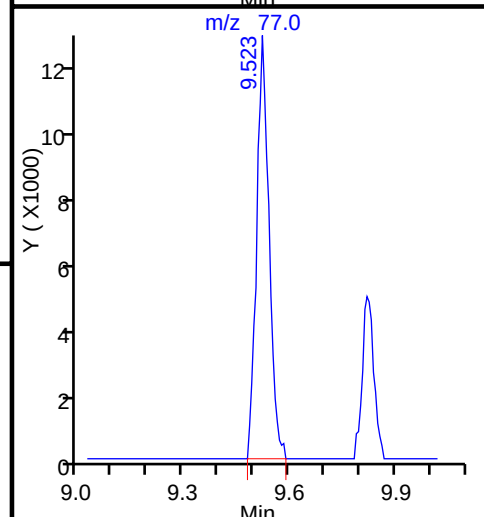
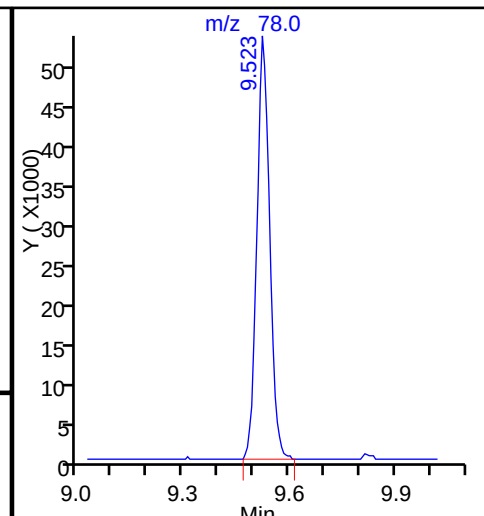
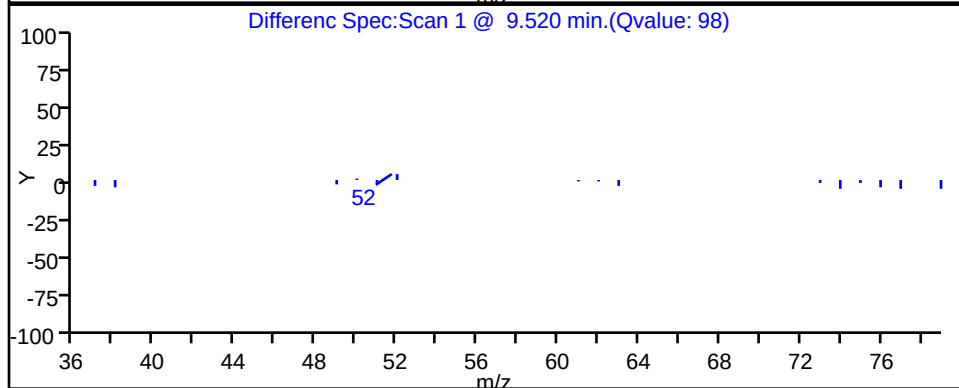
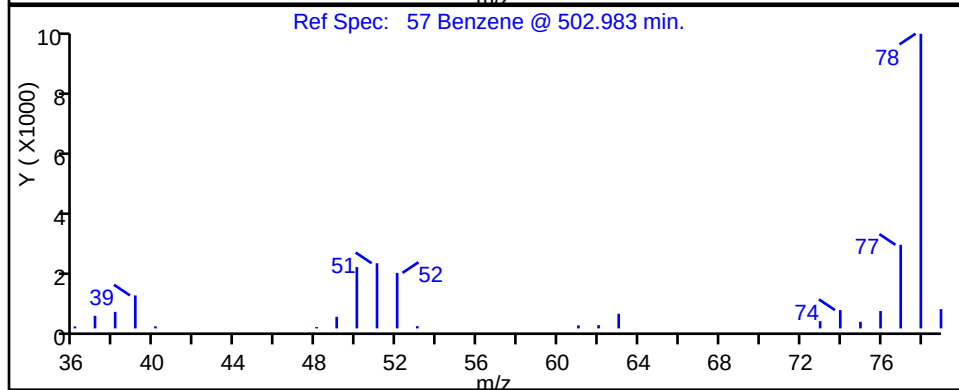
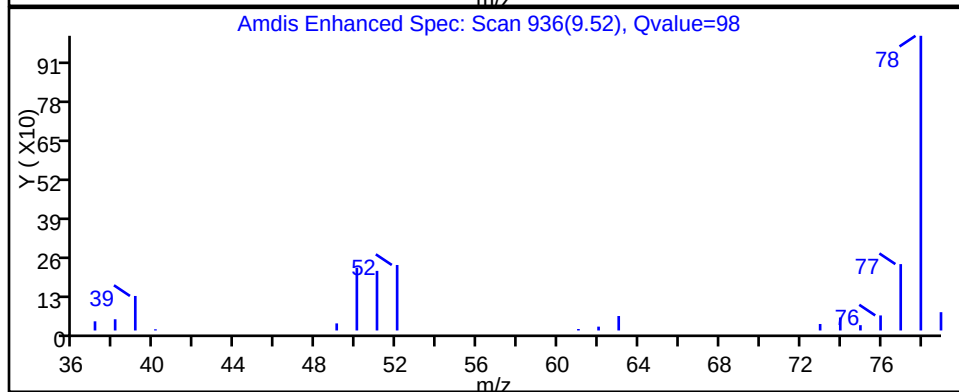
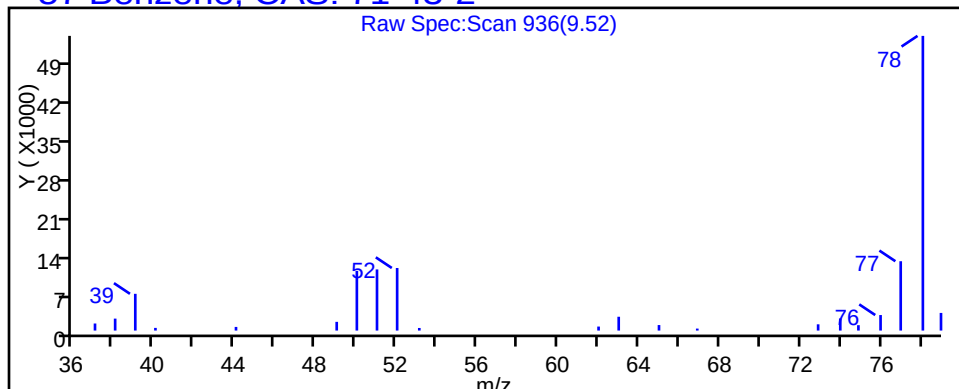
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0826.D

Injection Date: 01-Oct-2016 03:08:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-2

Lab Sample ID: 480-106799-2

Client ID: 4009-9

Operator ID: SY

ALS Bottle#: 14

Worklist Smp#: 14

Purge Vol: 5.000 mL

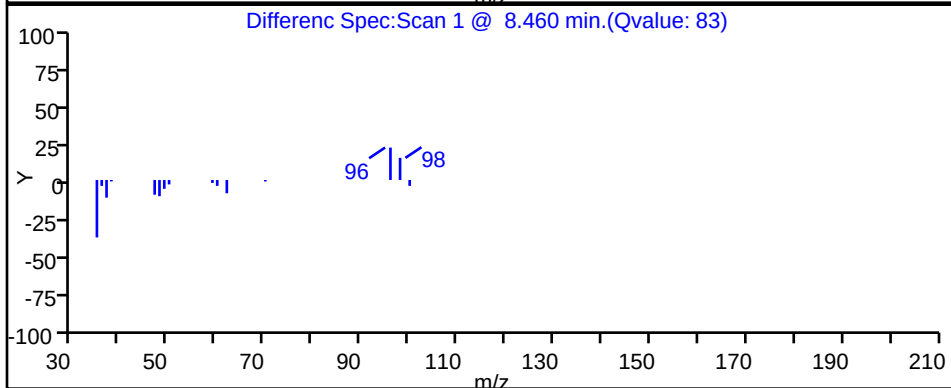
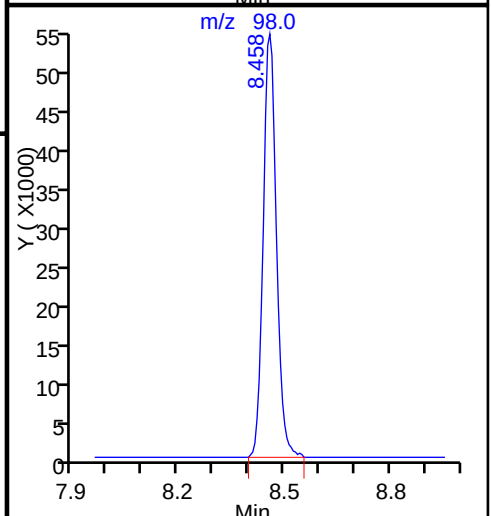
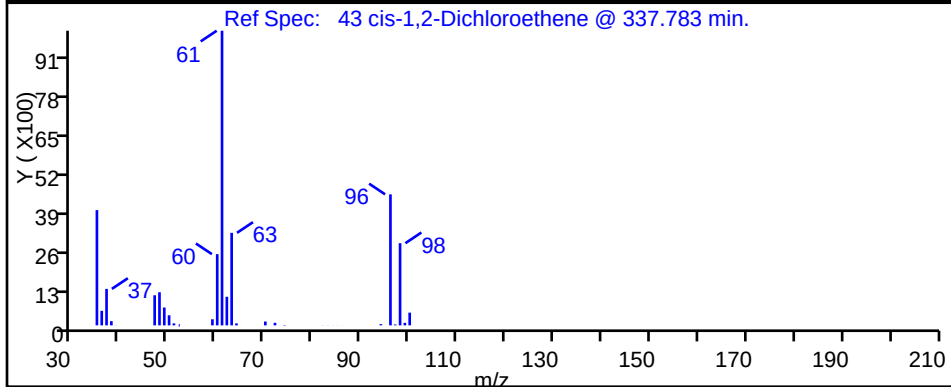
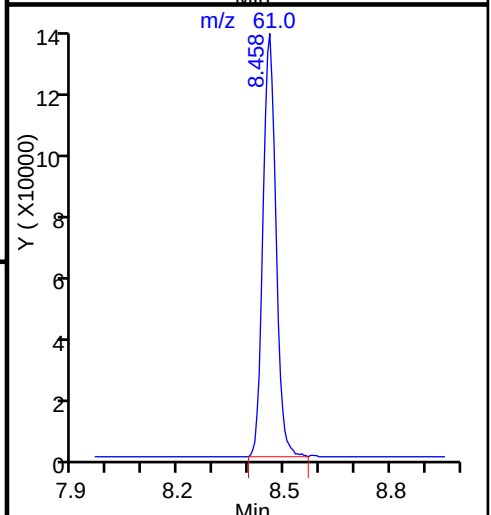
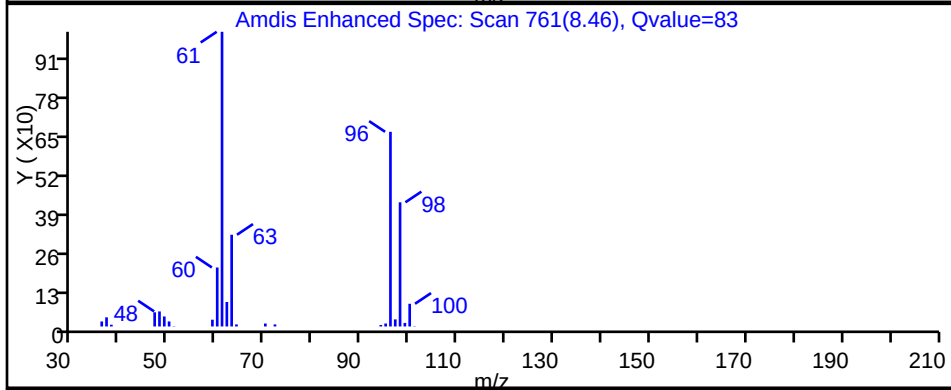
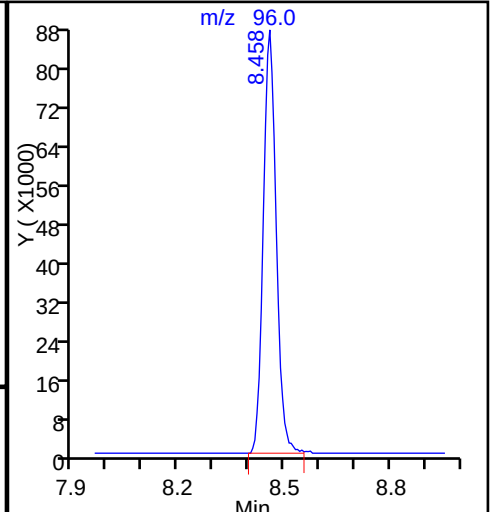
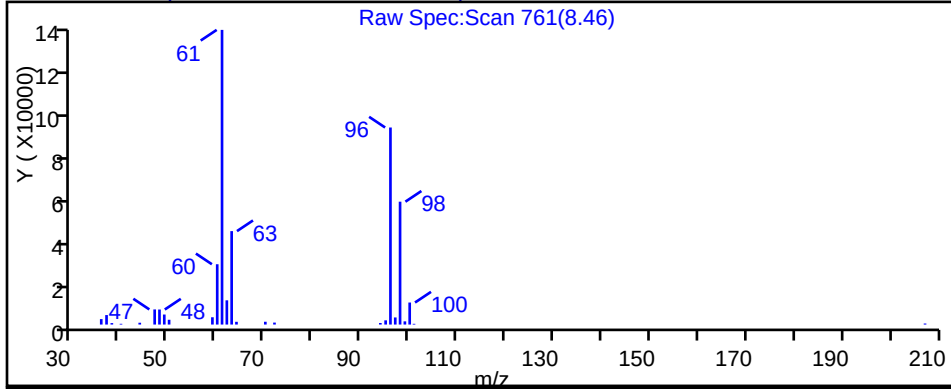
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0826.D

Injection Date: 01-Oct-2016 03:08:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-2

Lab Sample ID: 480-106799-2

Client ID: 4009-9

Operator ID: SY

ALS Bottle#: 14

Worklist Smp#: 14

Purge Vol: 5.000 mL

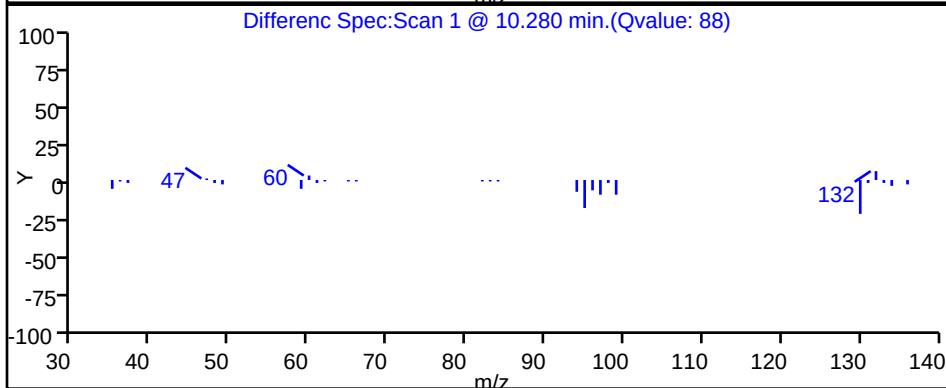
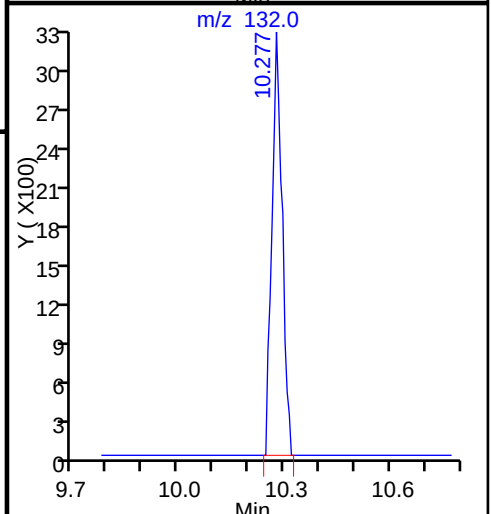
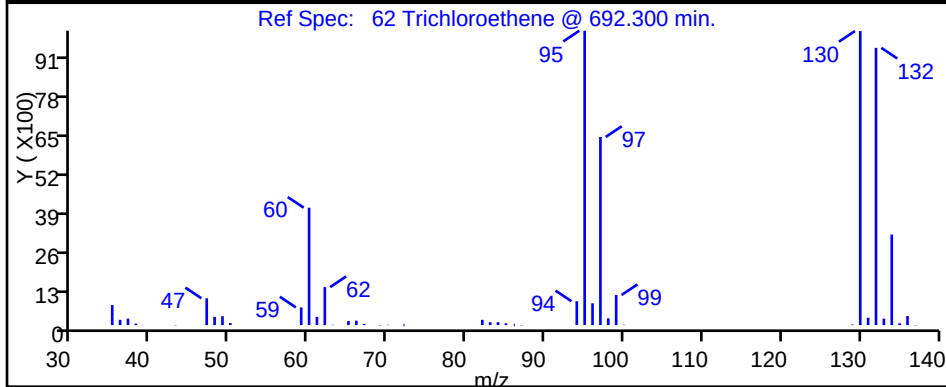
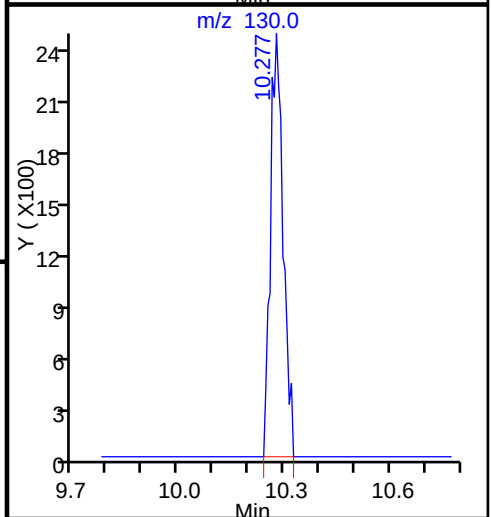
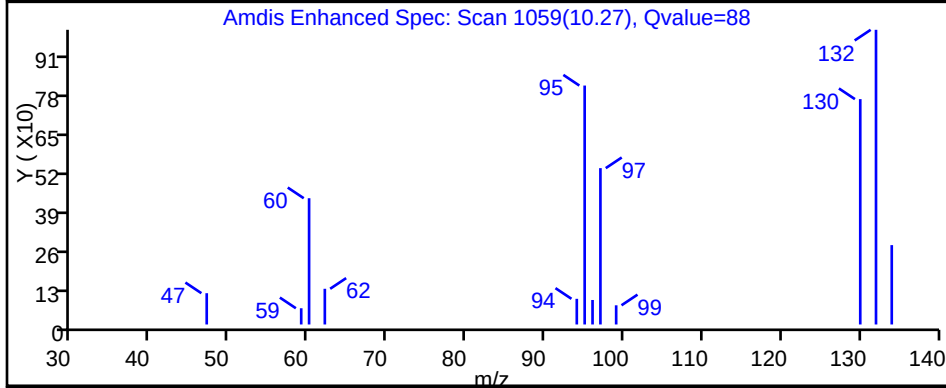
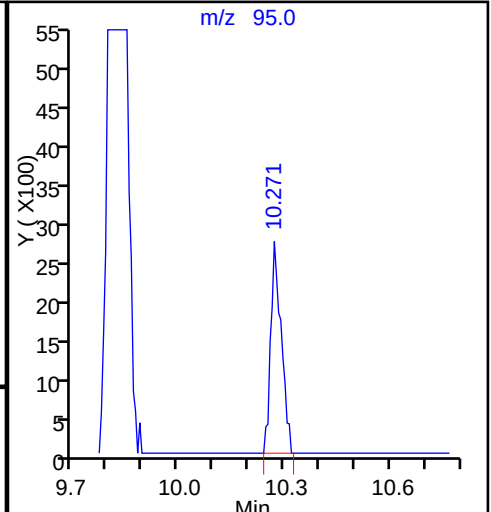
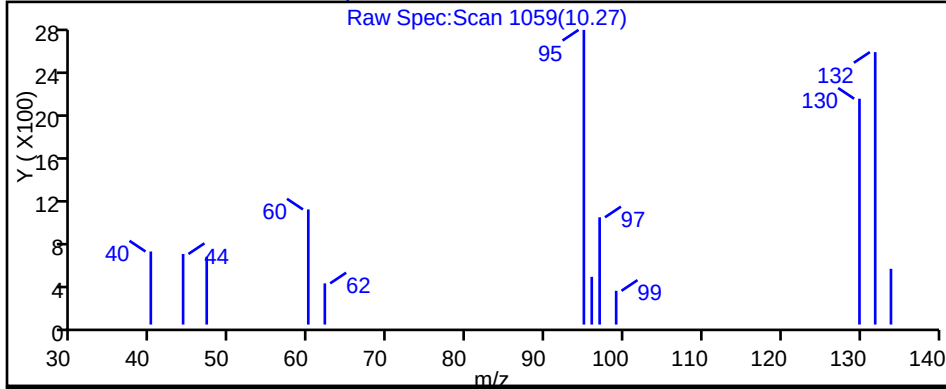
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-10</u>	Lab Sample ID: <u>480-106799-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0827.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:35</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 03:35</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323329</u>	Units: <u>ug/L</u>

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)	1.0	U *	1.0	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	1.0	U	1.0	3.0
71-43-2	Benzene	0.65	J	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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-10</u>	Lab Sample ID: <u>480-106799-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0827.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:35</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 03:35</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323329</u>	Units: <u>ug/L</u>

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)	92		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123
2037-26-5	Toluene-d8 (Surr)	88		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0827.D
 Lims ID: 480-106799-A-3
 Client ID: 4009-10
 Sample Type: Client
 Inject. Date: 01-Oct-2016 03:35:30 ALS Bottle#: 15 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-3
 Misc. Info.: 480-0056891-015
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:25:22 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 10:26:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.821	9.821	0.000	98	131899	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	269882	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	306897	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.012	0.006	93	154611	23.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	97717	23.1	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	529277	22.1	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.272	0.006	90	208725	25.4	
10 Dichlorodifluoromethane	85		3.987				ND	
11 Chloromethane	50		4.291				ND	
17 Vinyl chloride	62		4.529				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43		6.323				ND	
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97	9.079	9.067	0.012	16	4116	0.2893	
54 Cyclohexane	56		9.134				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.529	9.523	0.006	97	23426	0.6519	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		14.999				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO827.D

Injection Date: 01-Oct-2016 03:35:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-3

Lab Sample ID: 480-106799-3

Worklist Smp#: 15

Client ID: 4009-10

Purge Vol: 5.000 mL

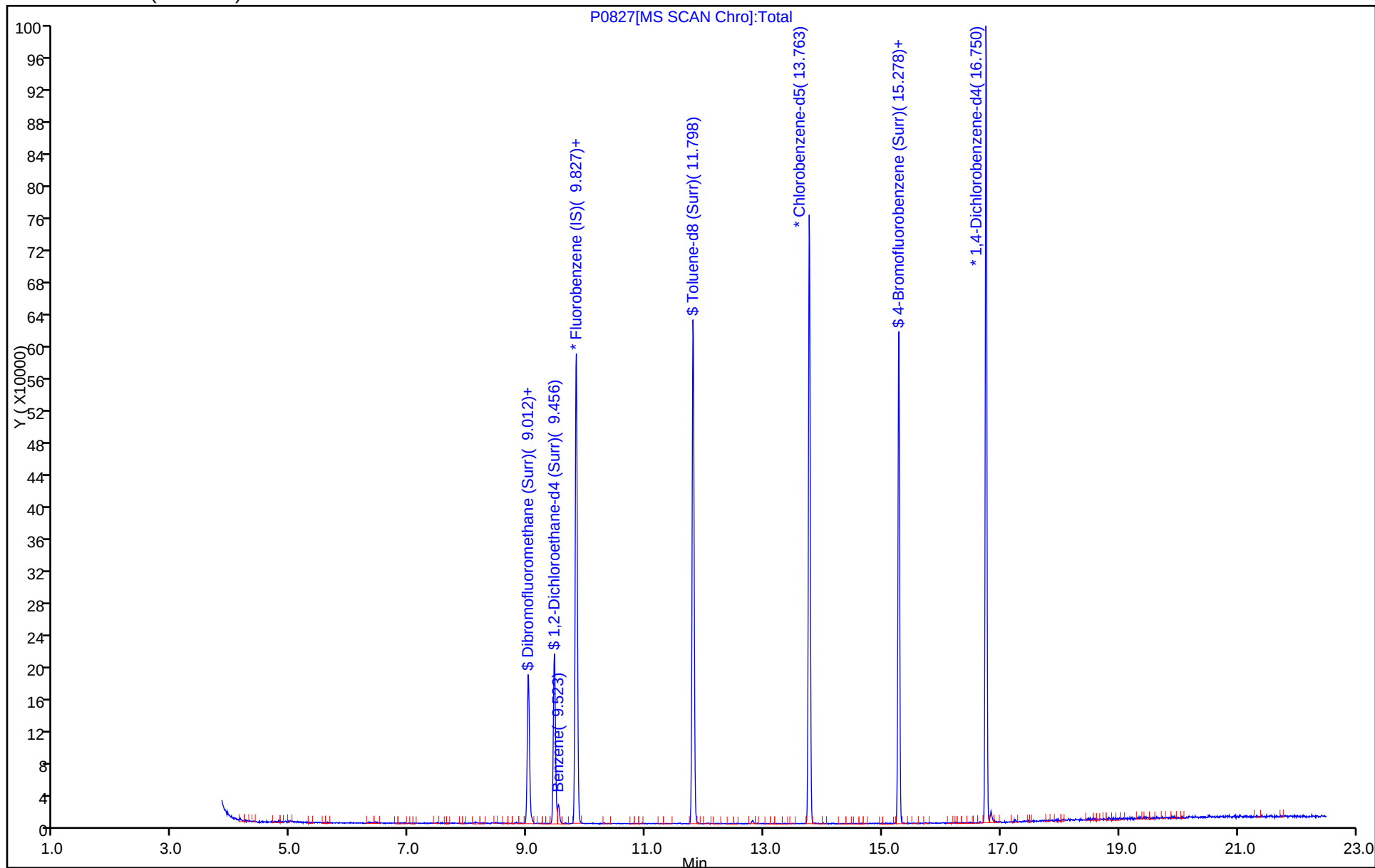
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: P-8260H2O

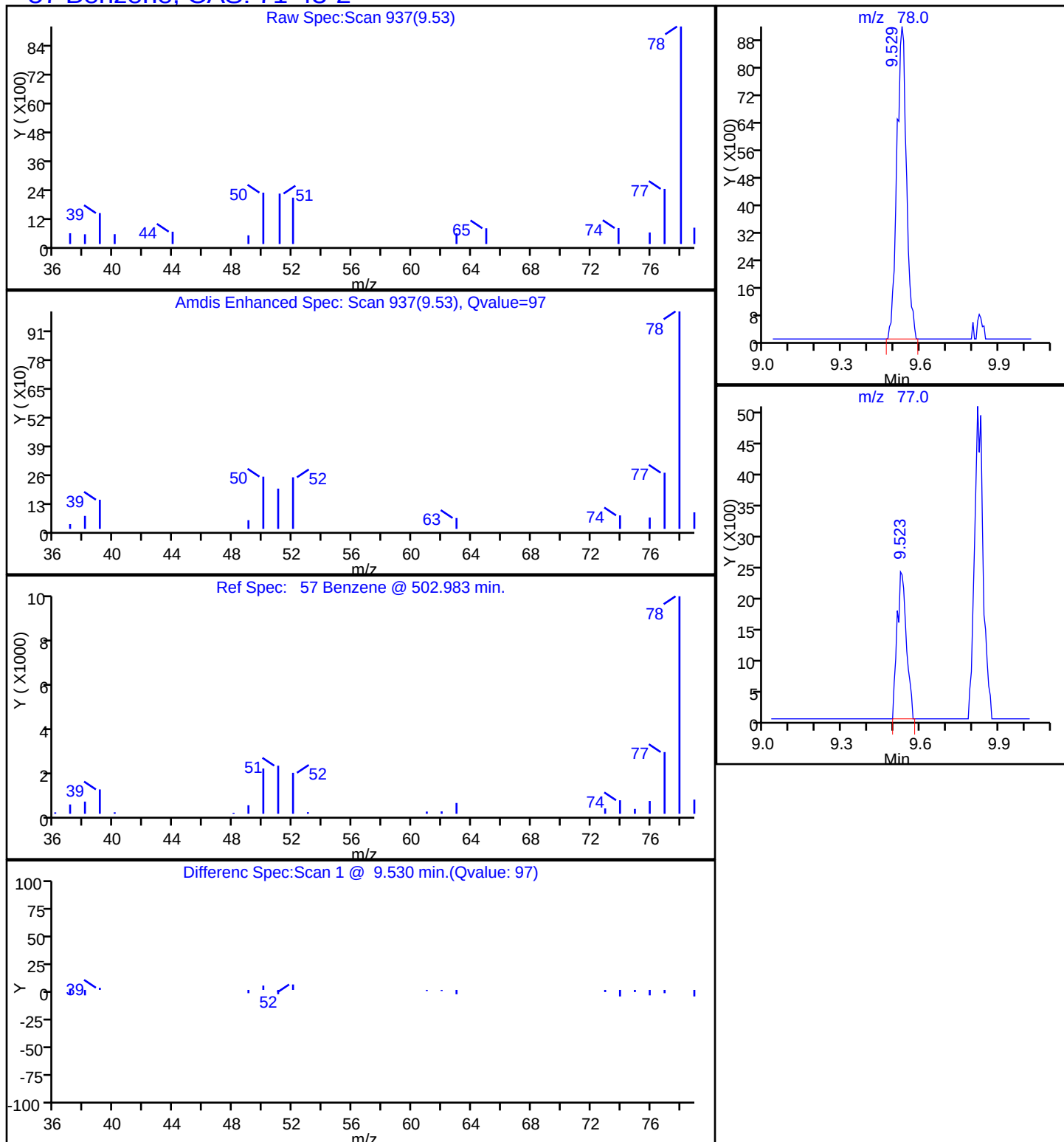
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO827.D
Injection Date: 01-Oct-2016 03:35:30 Instrument ID: HP5973P
Lims ID: 480-106799-A-3 Lab Sample ID: 480-106799-3
Client ID: 4009-10
Operator ID: SY ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

57 Benzene, CAS: 71-43-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1

SDG No.: _____

Client Sample ID: 4009-11 Lab Sample ID: 480-106799-4

Matrix: Water Lab File ID: P0828.D

Analysis Method: 8260C Date Collected: 09/29/2016 10:50

Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 04:02

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.: 323329 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	87		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	1.2		1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
75-34-3	1,1-Dichloroethane	21		1.0	0.38
75-35-4	1,1-Dichloroethene	5.4		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	1.3		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	1.8		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	15		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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: 4009-11 Lab Sample ID: 480-106799-4
 Matrix: Water Lab File ID: P0828.D
 Analysis Method: 8260C Date Collected: 09/29/2016 10:50
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 04:02
 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.: 323329 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	17		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)	90		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123
2037-26-5	Toluene-d8 (Surr)	89		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0828.D
 Lims ID: 480-106799-A-4
 Client ID: 4009-11
 Sample Type: Client
 Inject. Date: 01-Oct-2016 04:02:30 ALS Bottle#: 16 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-4
 Misc. Info.: 480-0056891-016
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:25:22 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 10:26:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.821	9.821	0.000	98	132143	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.763	0.001	86	265528	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.750	0.001	97	304918	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.012	0.000	93	153058	23.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	94796	22.4	
\$ 5 Toluene-d8 (Surr)	98	11.799	11.798	0.001	93	526440	22.3	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.272	0.006	91	203100	25.1	
10 Dichlorodifluoromethane	85		3.987				ND	
11 Chloromethane	50		4.291				ND	
17 Vinyl chloride	62	4.529	4.529	0.000	98	140544	16.9	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64	5.210	5.204	0.006	96	7968	1.79	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.244	6.238	0.006	54	12153	1.19	
25 1,1-Dichloroethene	96	6.293	6.287	0.006	93	47967	5.40	
24 Acetone	43		6.323				ND	
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63	7.759	7.753	0.006	97	411797	20.9	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96	8.459	8.453	0.006	83	157596	15.4	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97	9.073	9.067	0.006	98	1234374	86.6	
54 Cyclohexane	56		9.134				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.529	9.523	0.006	97	45139	1.25	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95	10.284	10.272	0.012	85	2806	0.2881	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		14.999				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO828.D

Injection Date: 01-Oct-2016 04:02:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-4

Lab Sample ID: 480-106799-4

Worklist Smp#: 16

Client ID: 4009-11

Purge Vol: 5.000 mL

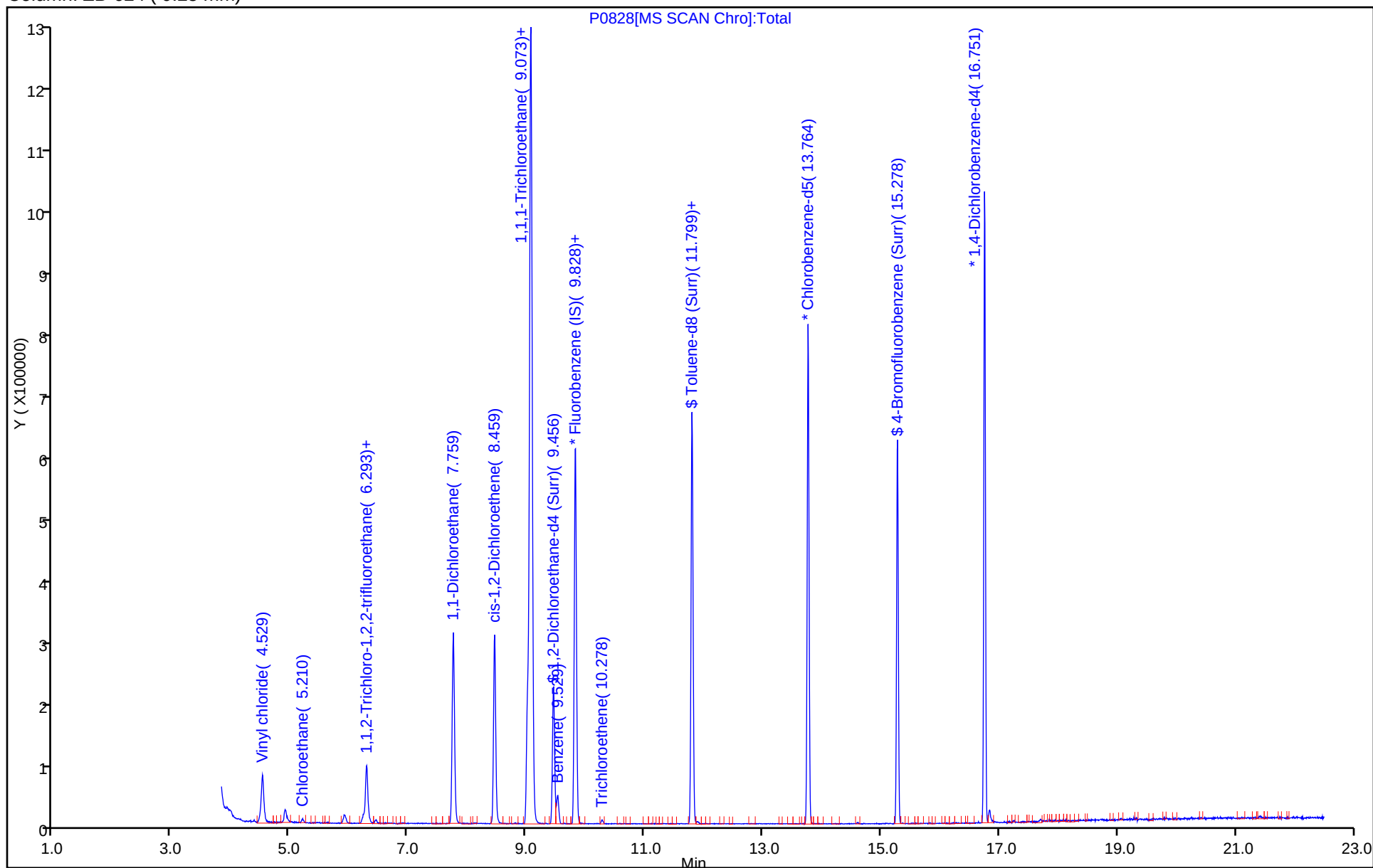
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO828.D

Injection Date: 01-Oct-2016 04:02:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-4

Lab Sample ID: 480-106799-4

Client ID: 4009-11

Operator ID: SY

ALS Bottle#: 16

Worklist Smp#: 16

Purge Vol: 5.000 mL

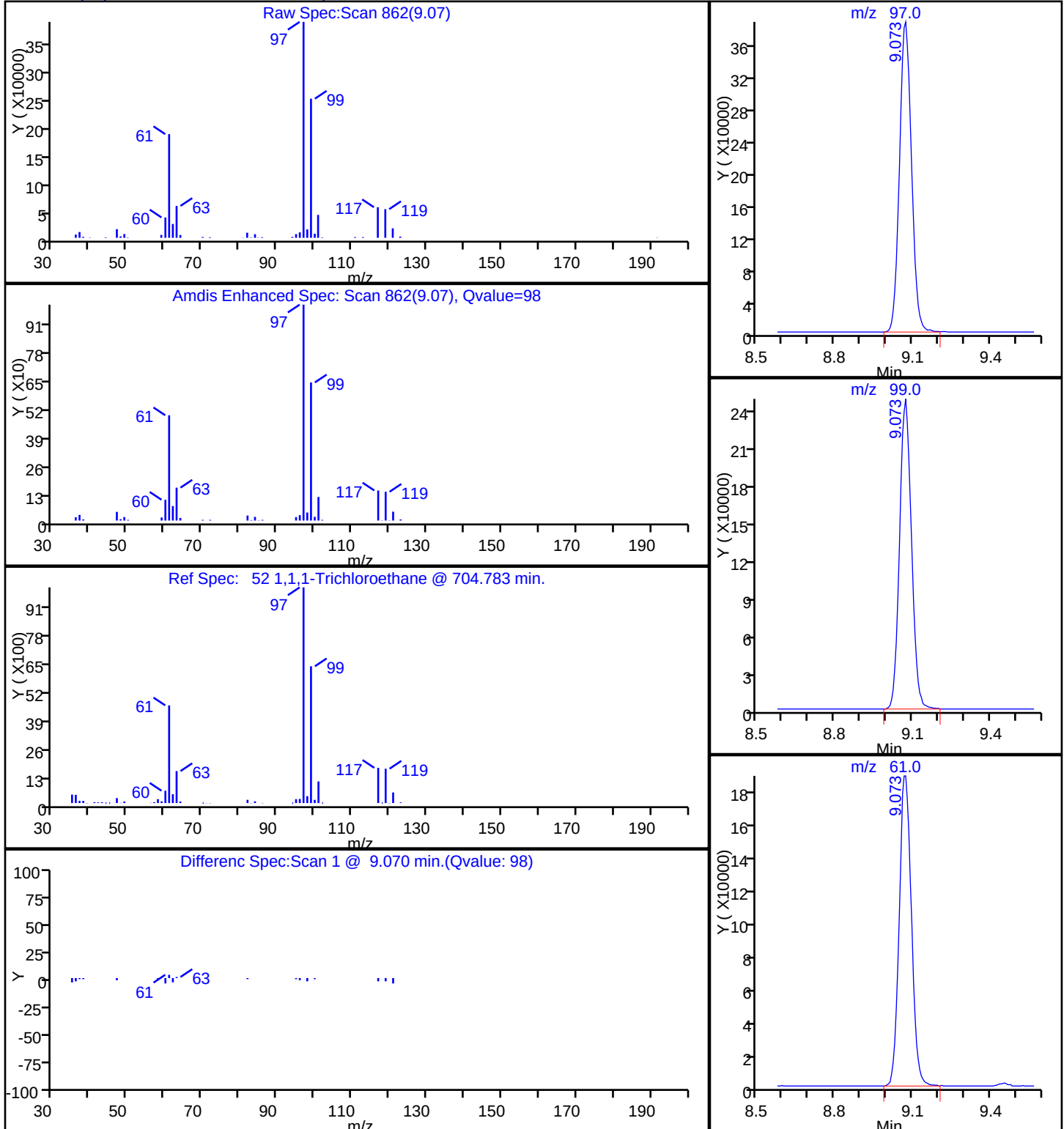
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

52 1,1,1-Trichloroethane, CAS: 71-55-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0828.D

Injection Date: 01-Oct-2016 04:02:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-4

Lab Sample ID: 480-106799-4

Client ID: 4009-11

Operator ID: SY

ALS Bottle#: 16

Worklist Smp#: 16

Purge Vol: 5.000 mL

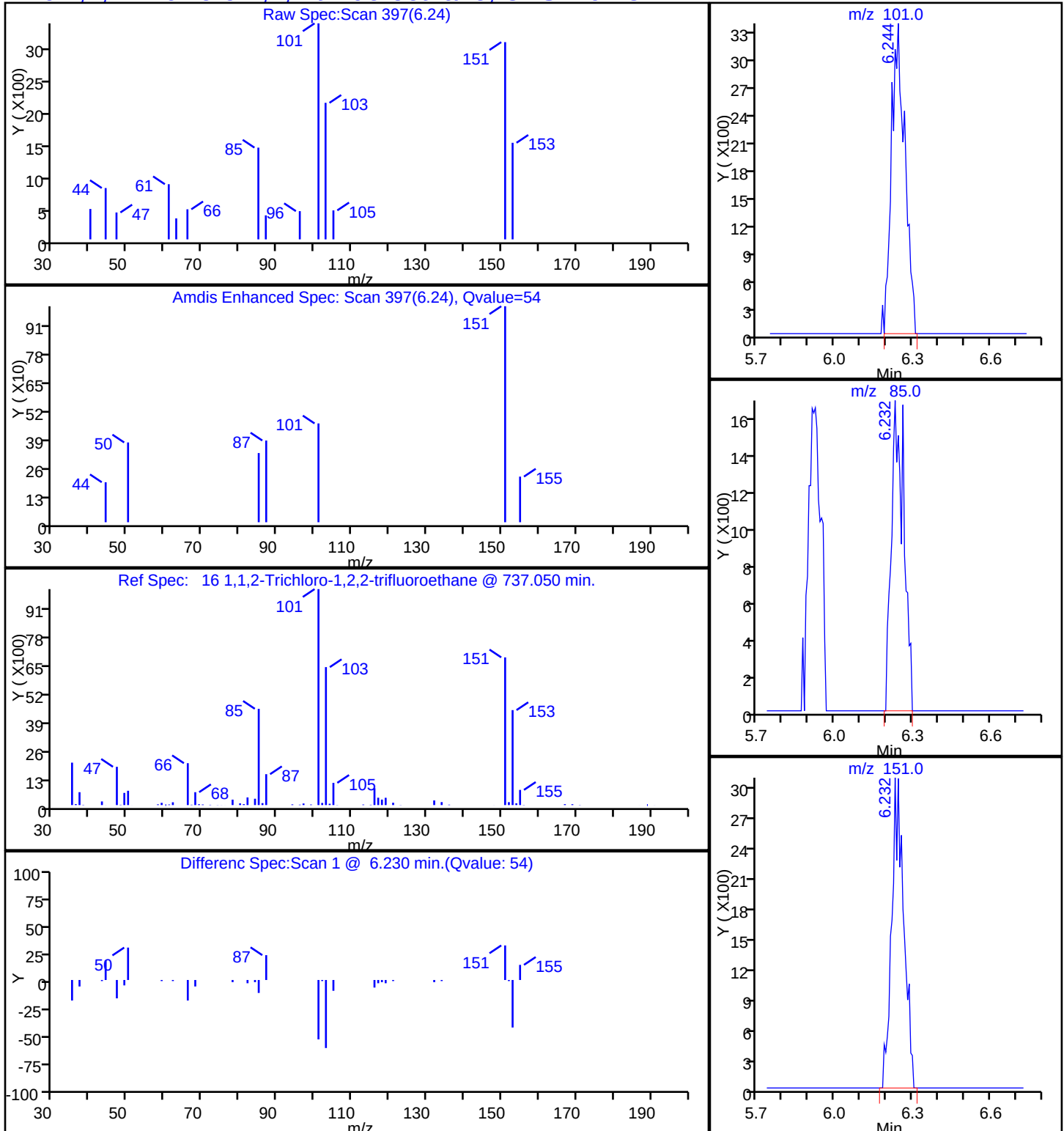
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0828.D

Injection Date: 01-Oct-2016 04:02:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-4

Lab Sample ID: 480-106799-4

Client ID: 4009-11

Operator ID: SY

ALS Bottle#: 16

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

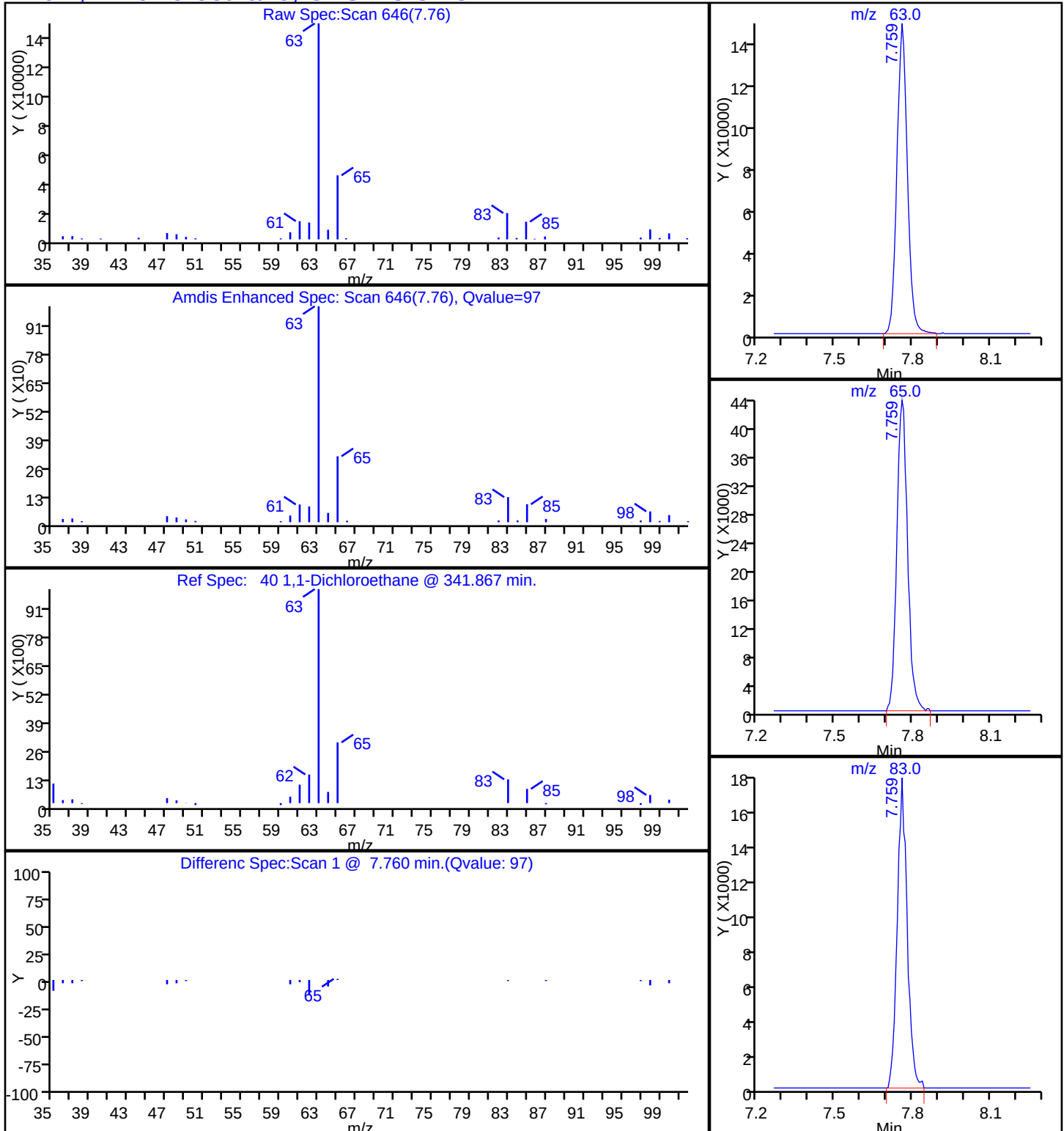
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

40 1,1-Dichloroethane, CAS: 75-34-3



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0828.D

Injection Date: 01-Oct-2016 04:02:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-4

Lab Sample ID: 480-106799-4

Client ID: 4009-11

Operator ID: SY

ALS Bottle#: 16

Worklist Smp#: 16

Purge Vol: 5.000 mL

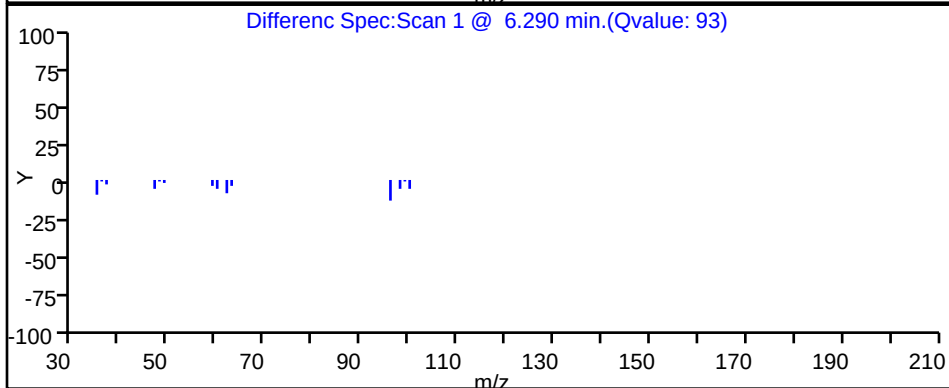
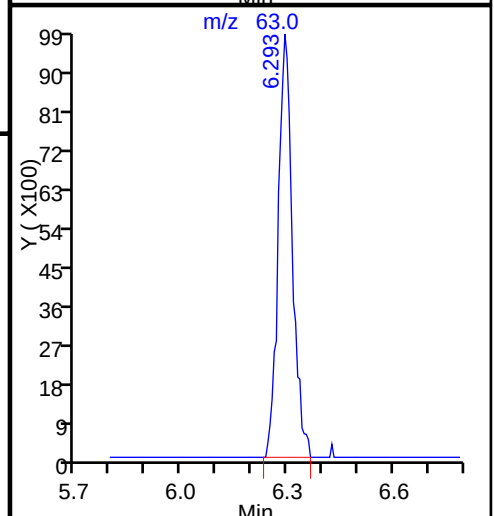
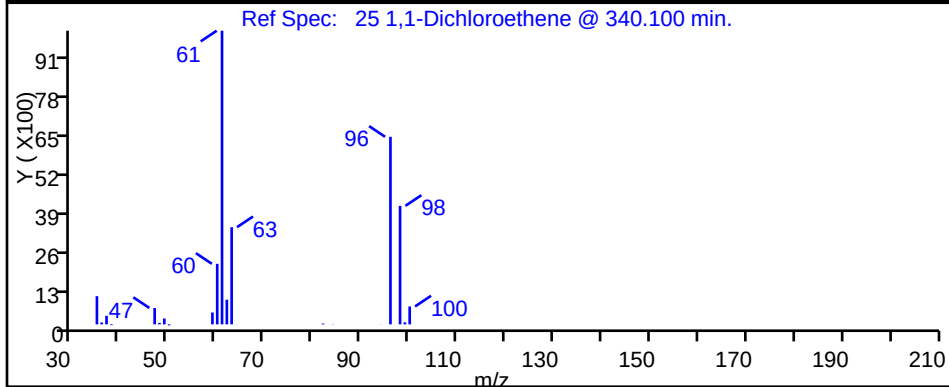
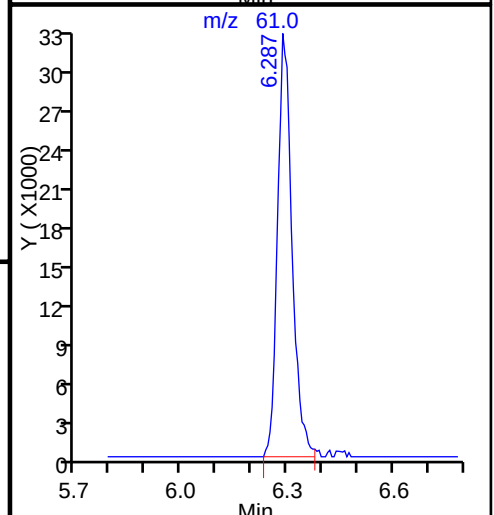
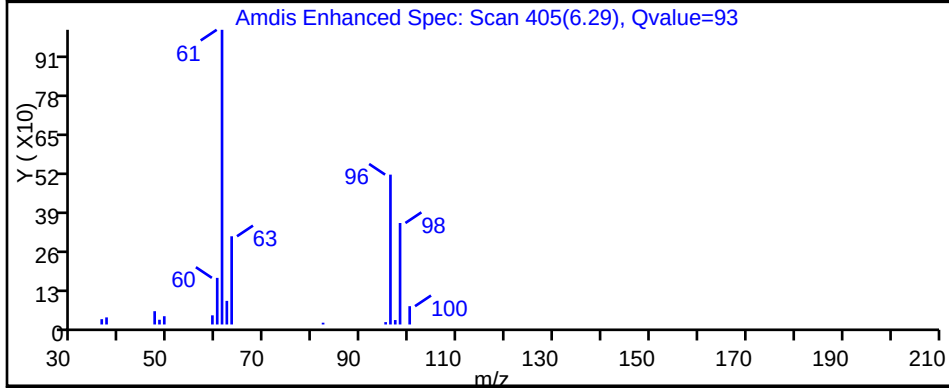
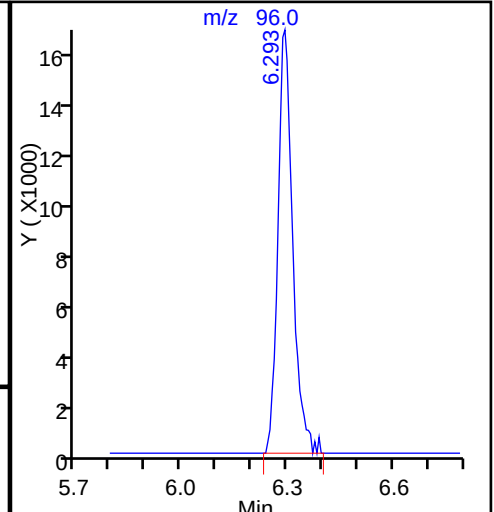
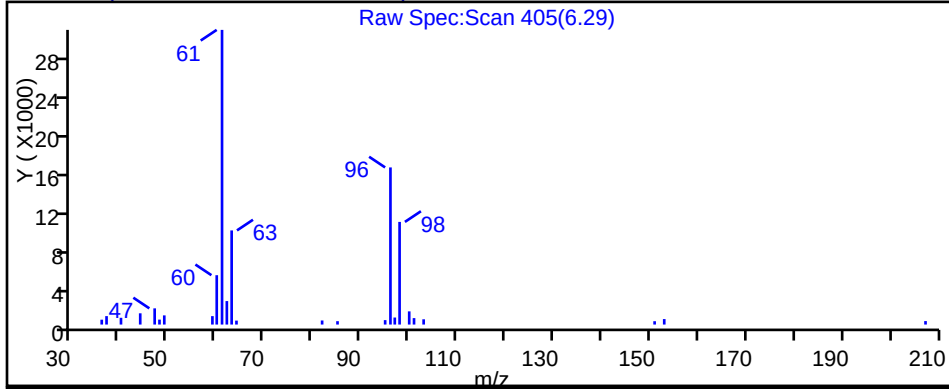
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 1,1-Dichloroethene, CAS: 75-35-4

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0828.D

Injection Date: 01-Oct-2016 04:02:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-4

Lab Sample ID: 480-106799-4

Client ID: 4009-11

Operator ID: SY

ALS Bottle#: 16

Worklist Smp#: 16

Purge Vol: 5.000 mL

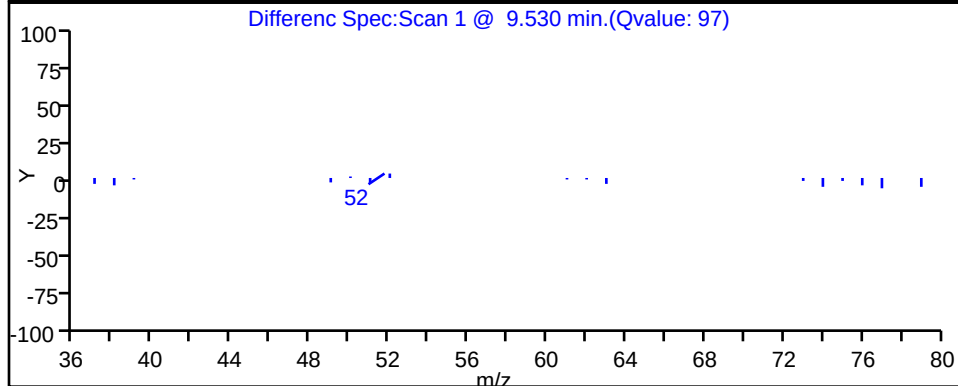
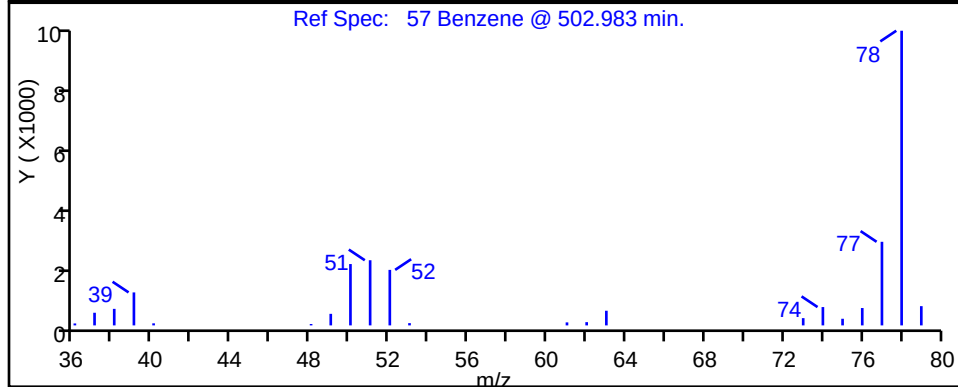
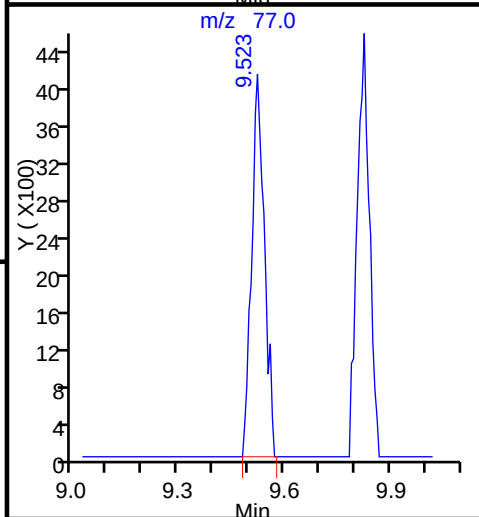
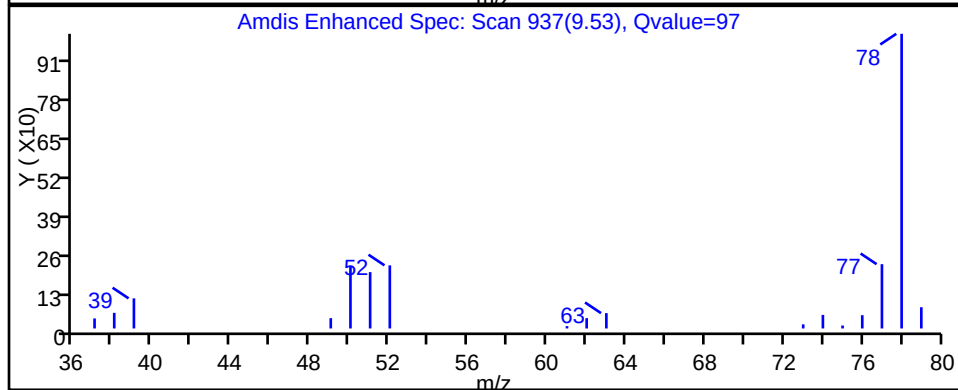
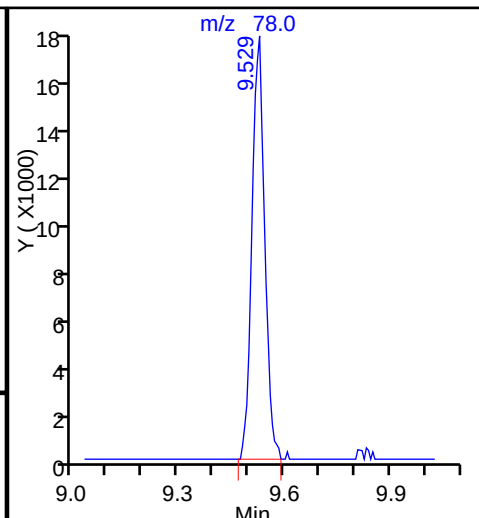
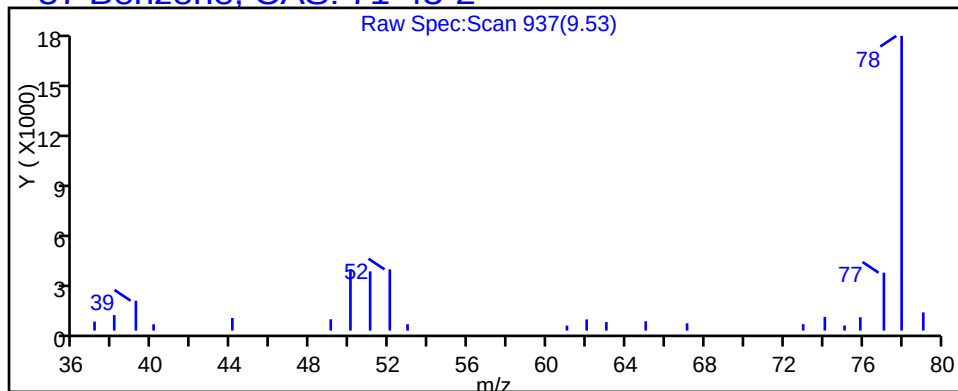
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0828.D

Injection Date: 01-Oct-2016 04:02:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-4

Lab Sample ID: 480-106799-4

Client ID: 4009-11

Operator ID: SY

ALS Bottle#: 16

Worklist Smp#: 16

Purge Vol: 5.000 mL

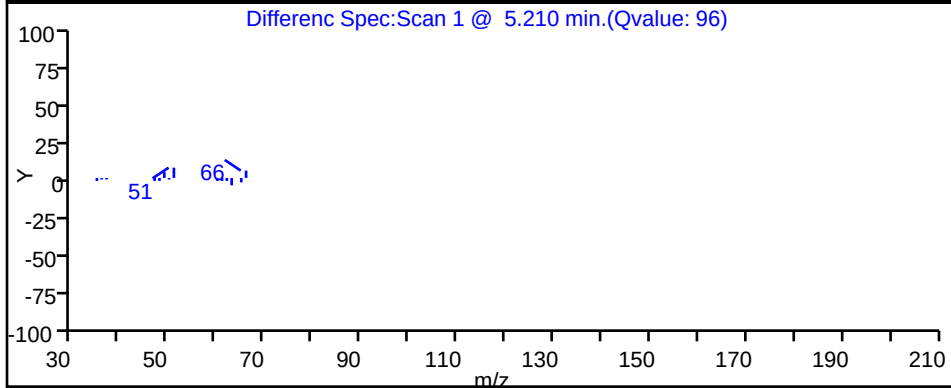
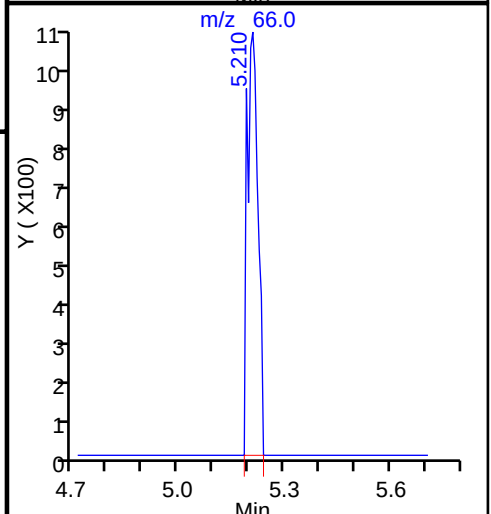
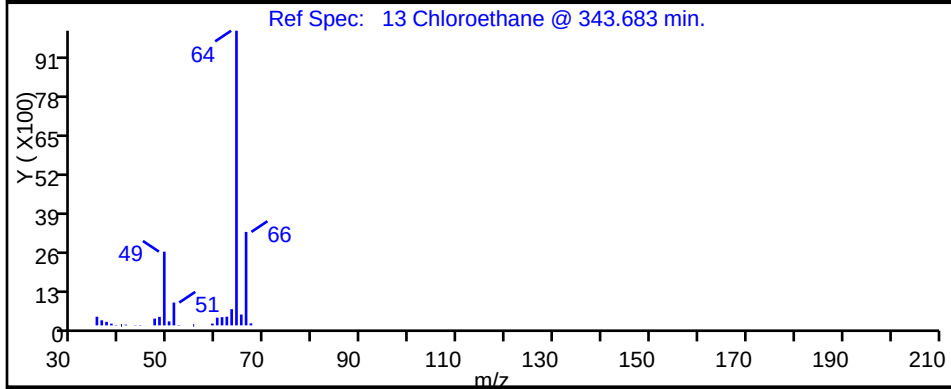
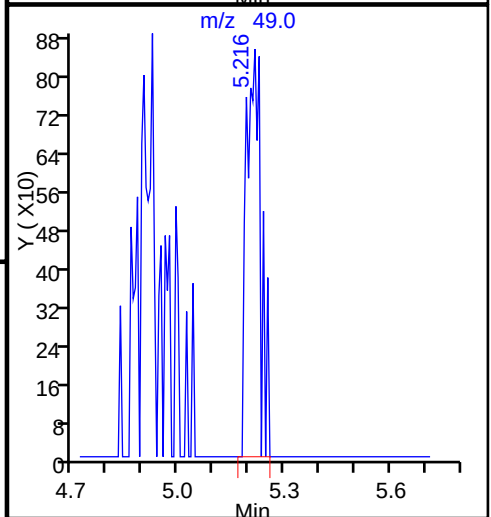
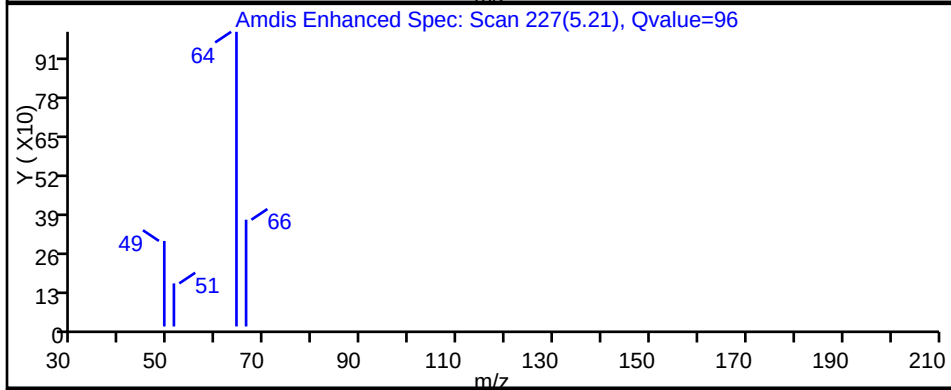
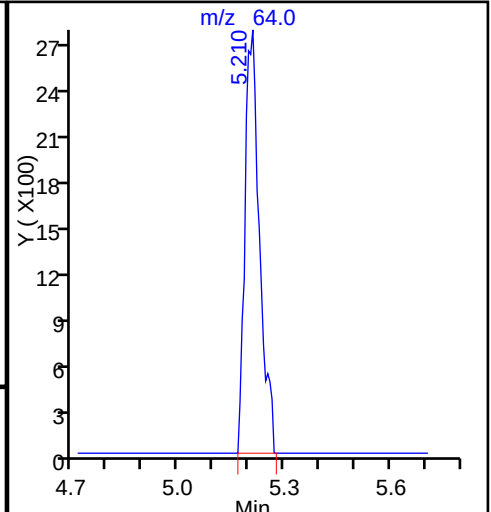
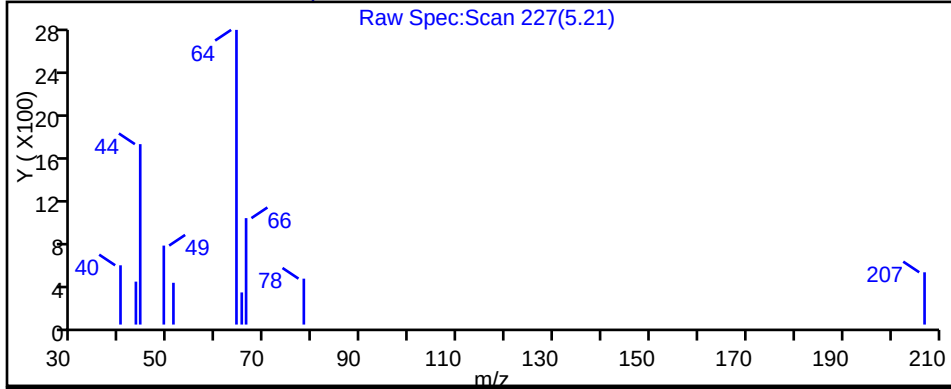
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0828.D

Injection Date: 01-Oct-2016 04:02:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-4

Lab Sample ID: 480-106799-4

Client ID: 4009-11

Operator ID: SY

ALS Bottle#: 16

Worklist Smp#: 16

Purge Vol: 5.000 mL

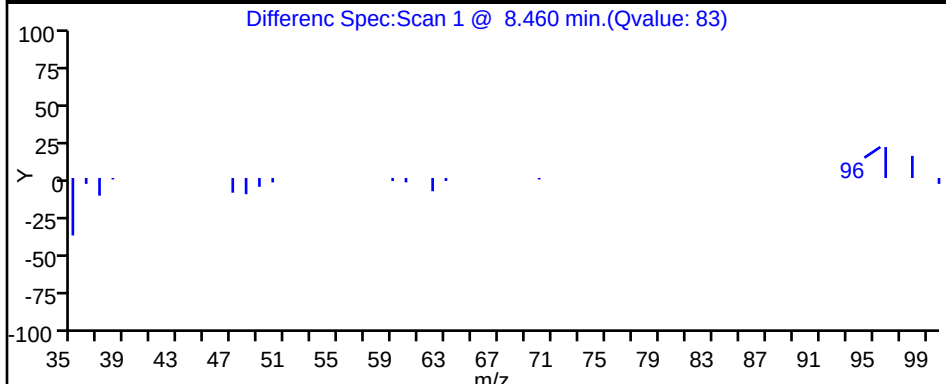
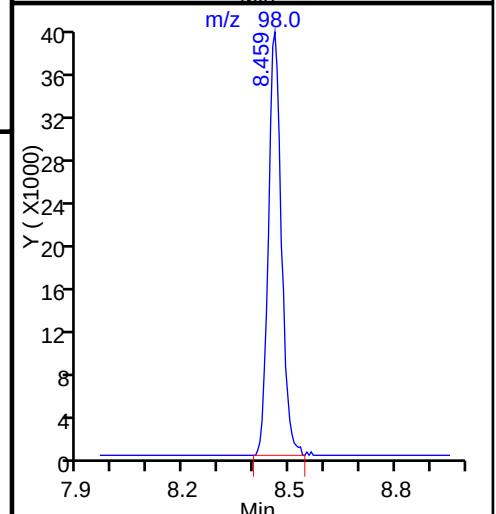
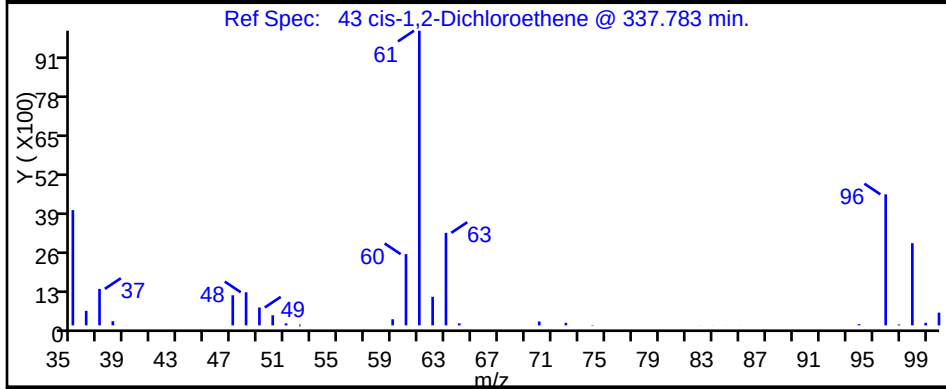
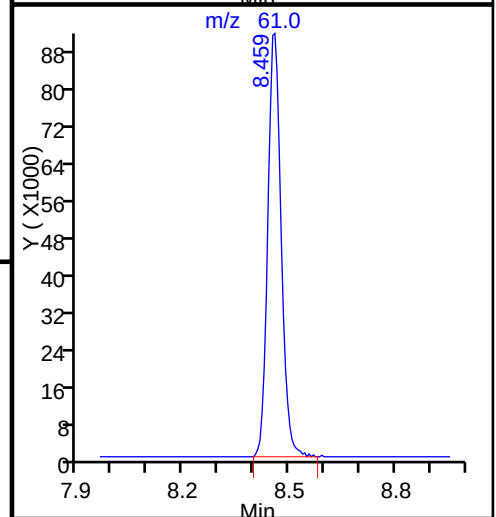
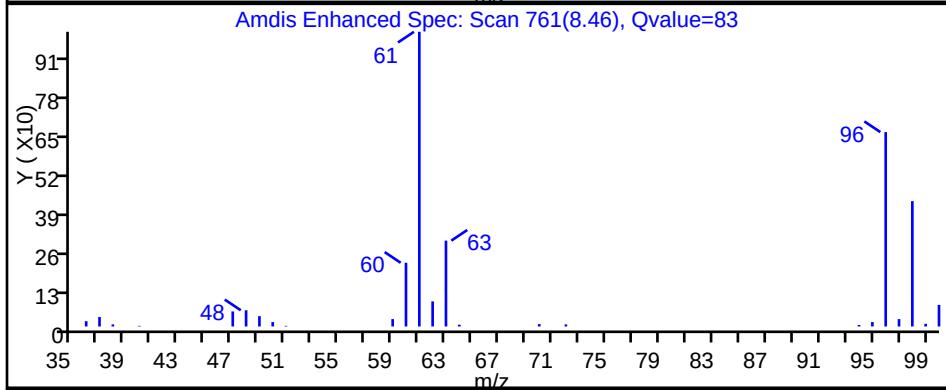
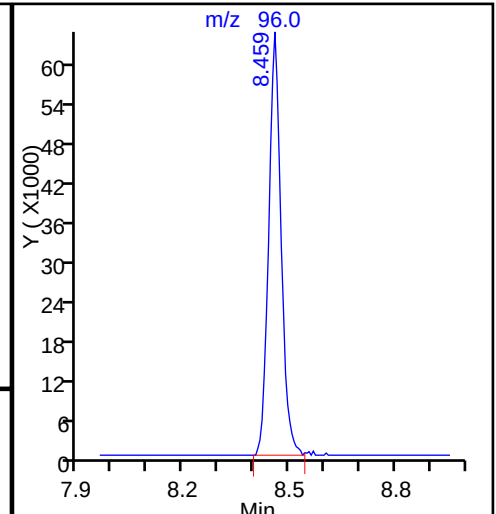
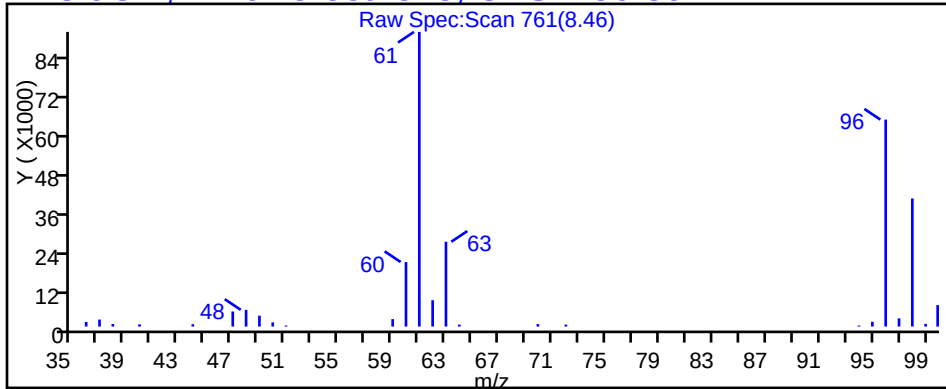
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0828.D

Injection Date: 01-Oct-2016 04:02:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-4

Lab Sample ID: 480-106799-4

Client ID: 4009-11

Operator ID: SY

ALS Bottle#: 16

Worklist Smp#: 16

Purge Vol: 5.000 mL

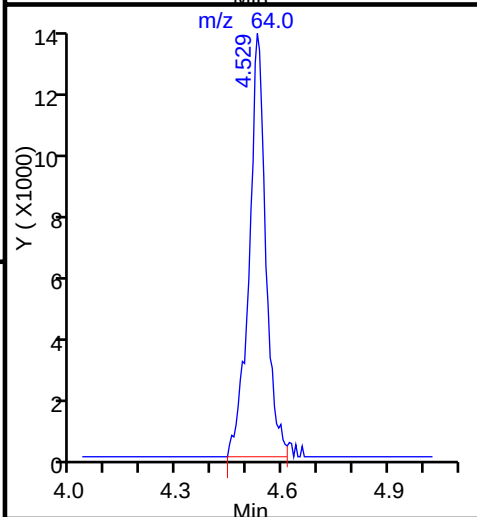
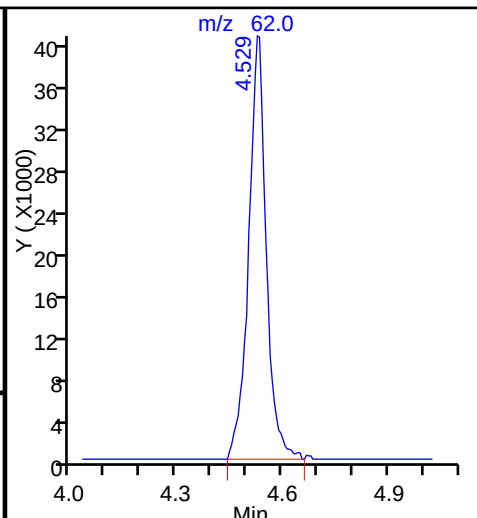
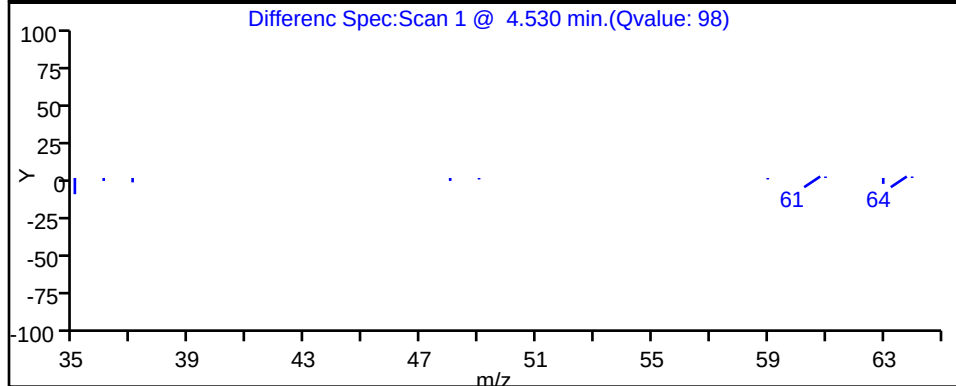
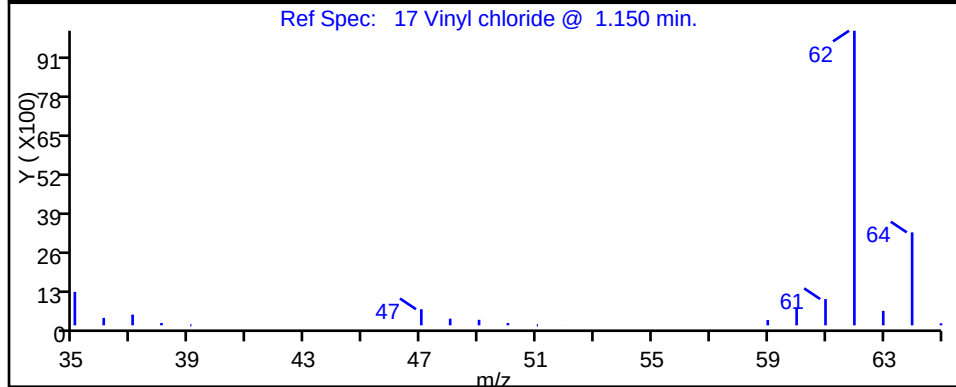
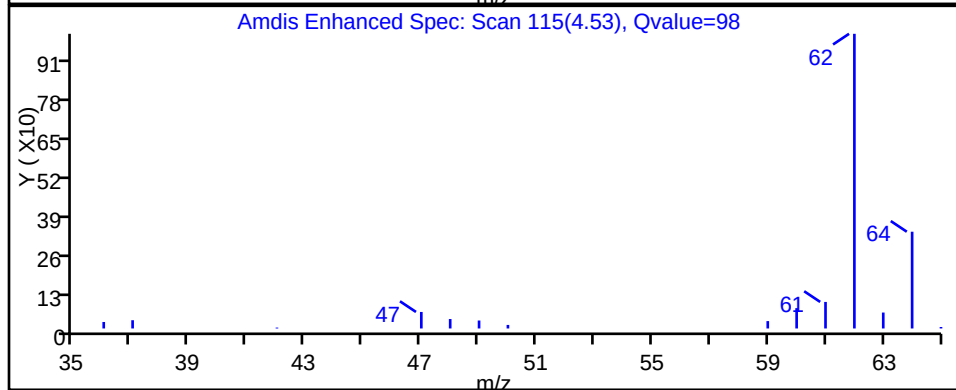
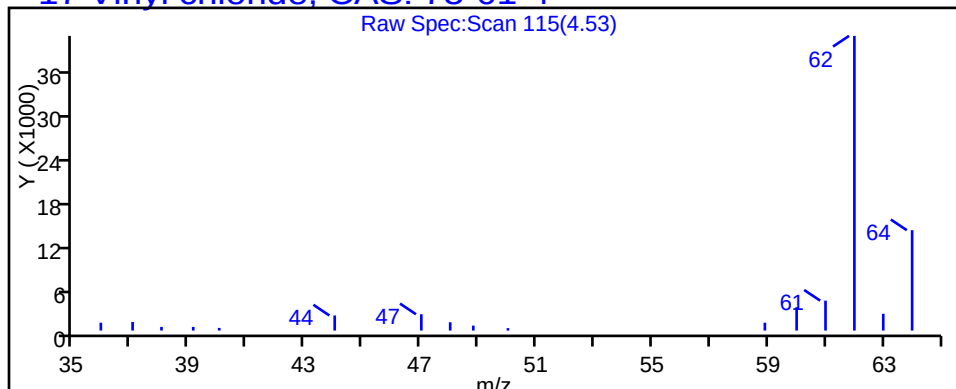
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

17 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-12</u>	Lab Sample ID: <u>480-106799-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0829.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 09:35</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 04:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323329</u>	Units: <u>ug/L</u>

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	2.4		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	8.7		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		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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: 4009-12 Lab Sample ID: 480-106799-5
 Matrix: Water Lab File ID: P0829.D
 Analysis Method: 8260C Date Collected: 09/29/2016 09:35
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 04:29
 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.: 323329 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	0.55	J	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.1		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)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123
2037-26-5	Toluene-d8 (Surr)	89		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0829.D
 Lims ID: 480-106799-A-5
 Client ID: 4009-12
 Sample Type: Client
 Inject. Date: 01-Oct-2016 04:29:30 ALS Bottle#: 17 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-5
 Misc. Info.: 480-0056891-017
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:25:22 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 10:27:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.821	9.821	0.000	98	131986	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.763	0.001	86	266827	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.750	0.001	96	307142	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.012	0.006	93	154791	23.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	94448	22.3	
\$ 5 Toluene-d8 (Surr)	98	11.799	11.798	0.001	93	524745	22.1	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.272	0.006	89	203364	25.1	
10 Dichlorodifluoromethane	85		3.987				ND	
11 Chloromethane	50		4.291				ND	
17 Vinyl chloride	62	4.492	4.529	-0.037	36	9394	1.13	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43		6.323				ND	
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63	7.759	7.753	0.006	97	47427	2.42	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96	8.465	8.453	0.012	82	10420	1.02	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.067				ND	
54 Cyclohexane	56		9.134				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.529	9.523	0.006	98	311514	8.66	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95	10.272	10.272	0.000	81	5349	0.5498	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92	11.890	11.890	0.000	96	6300	0.2702	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		14.999				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0829.D

Injection Date: 01-Oct-2016 04:29:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-5

Lab Sample ID: 480-106799-5

Worklist Smp#: 17

Client ID: 4009-12

Purge Vol: 5.000 mL

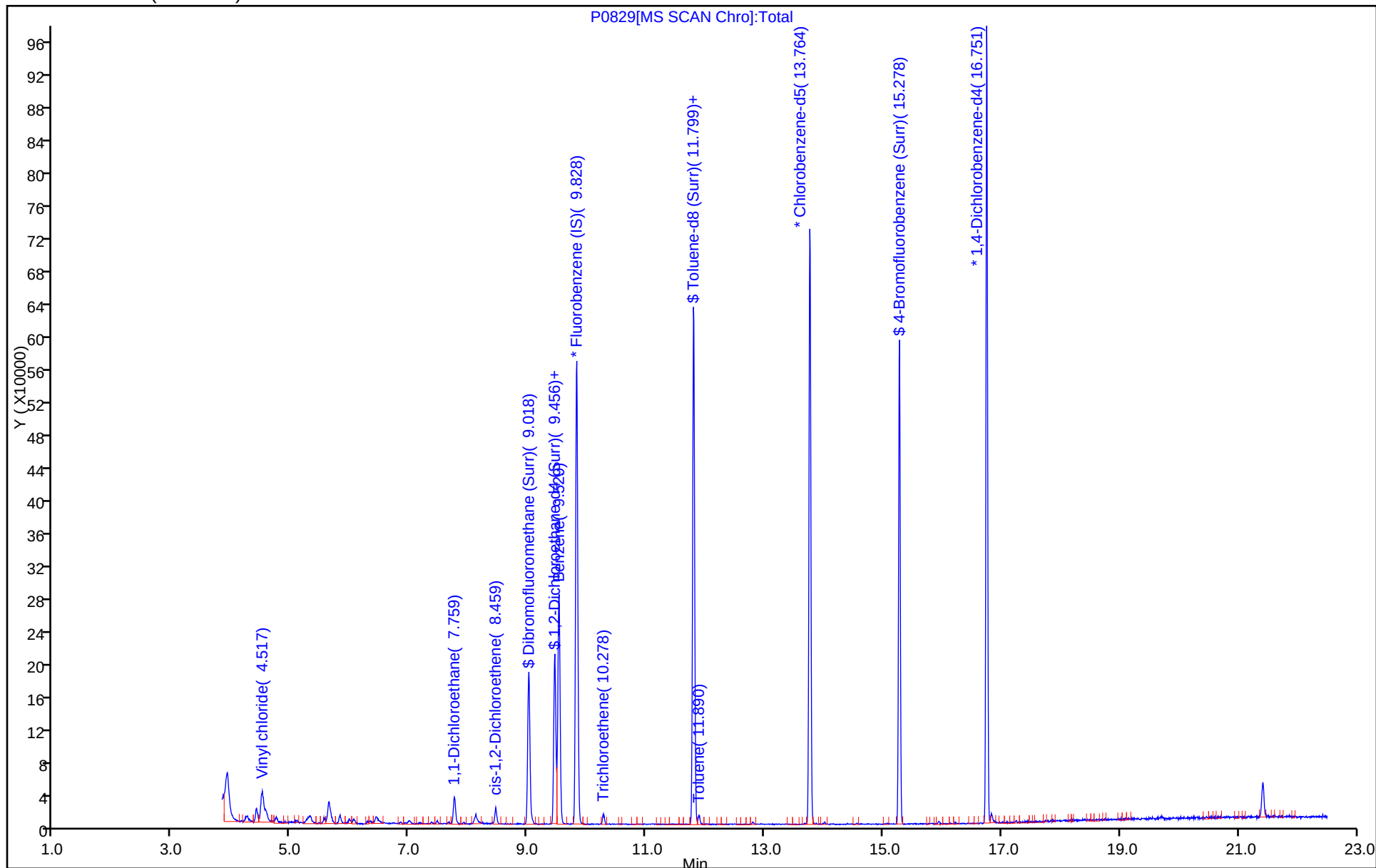
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0829.D

Injection Date: 01-Oct-2016 04:29:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-5

Lab Sample ID: 480-106799-5

Client ID: 4009-12

Operator ID: SY

ALS Bottle#: 17

Worklist Smp#: 17

Purge Vol: 5.000 mL

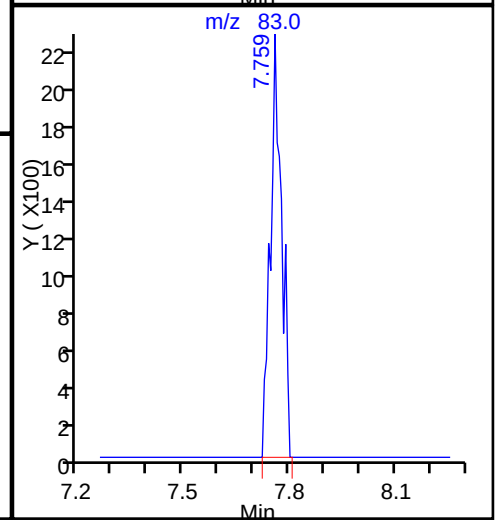
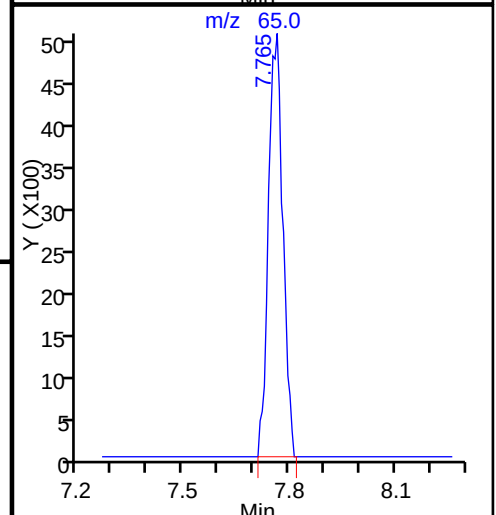
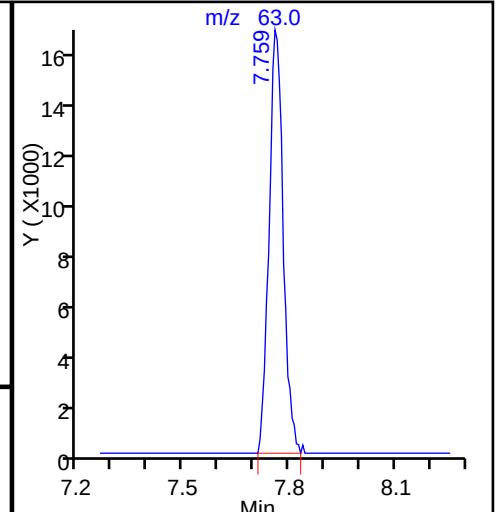
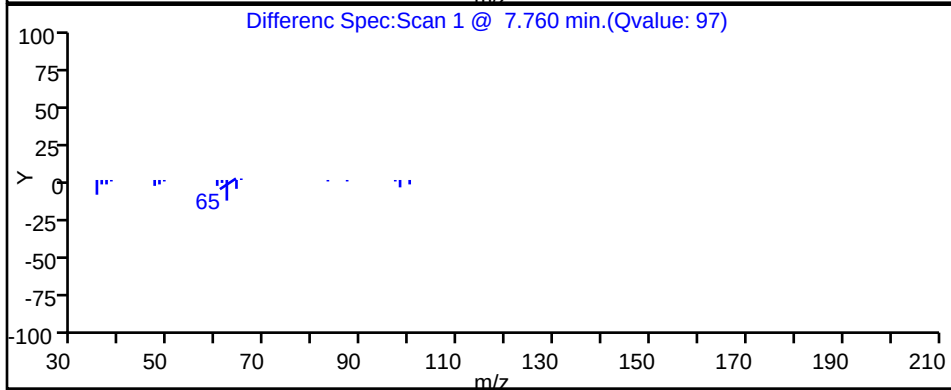
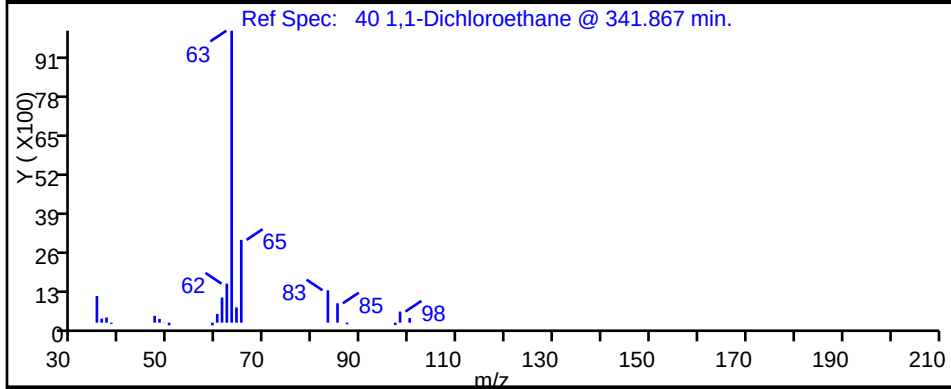
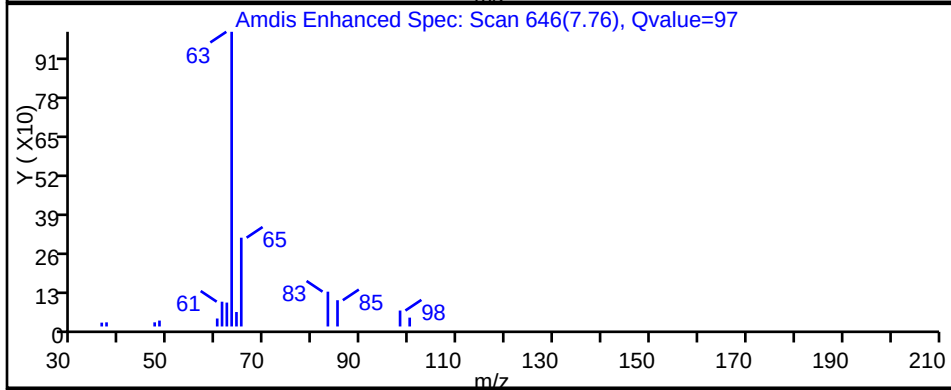
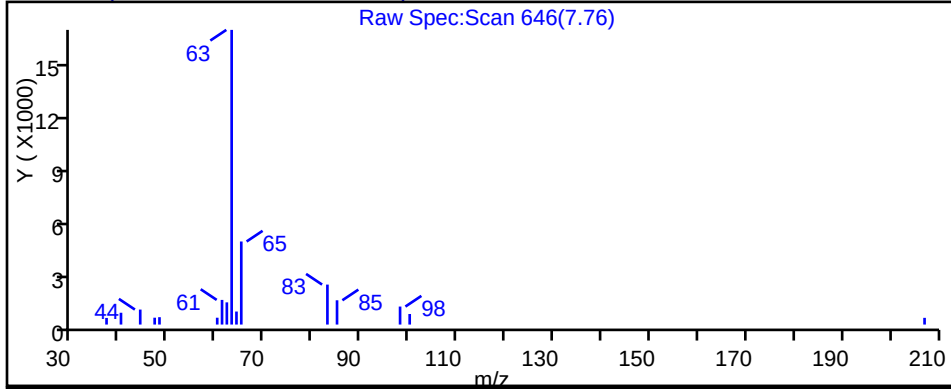
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

40 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0829.D

Injection Date: 01-Oct-2016 04:29:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-5

Lab Sample ID: 480-106799-5

Client ID: 4009-12

Operator ID: SY

ALS Bottle#: 17

Worklist Smp#: 17

Purge Vol: 5.000 mL

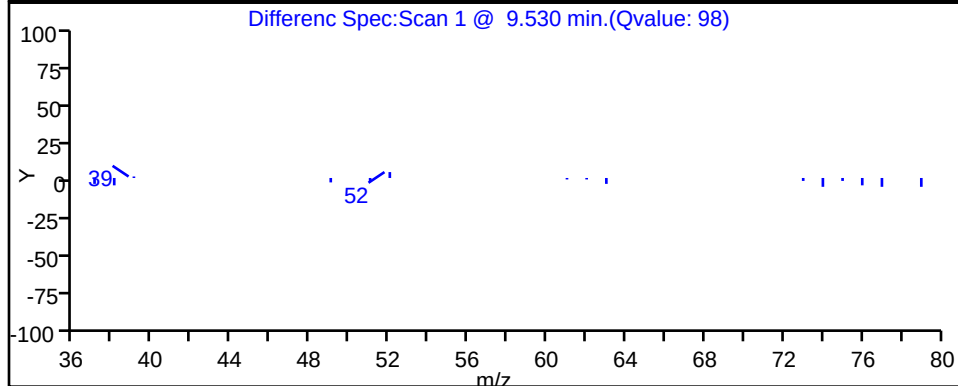
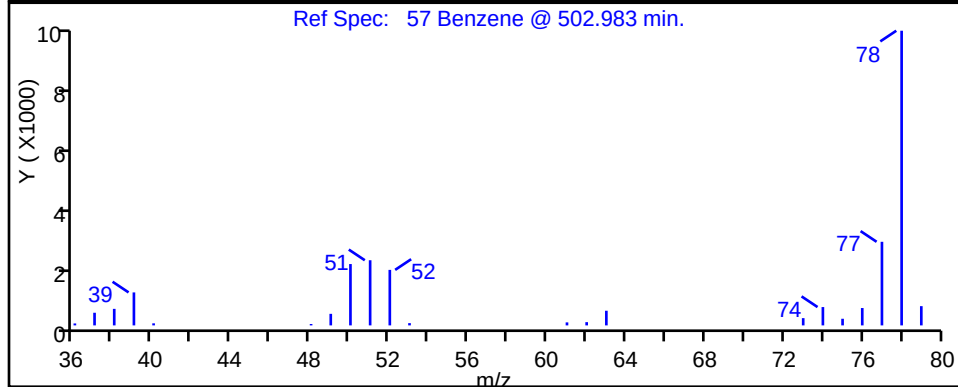
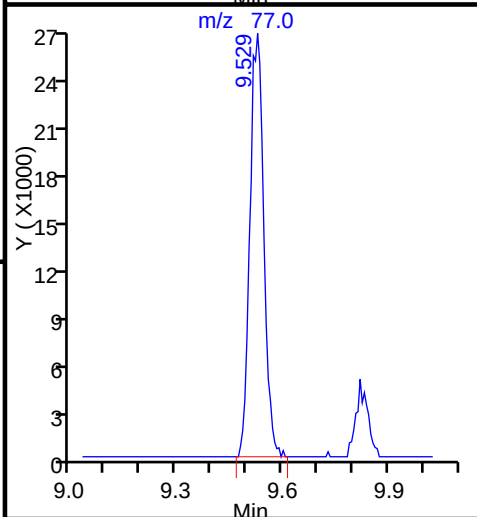
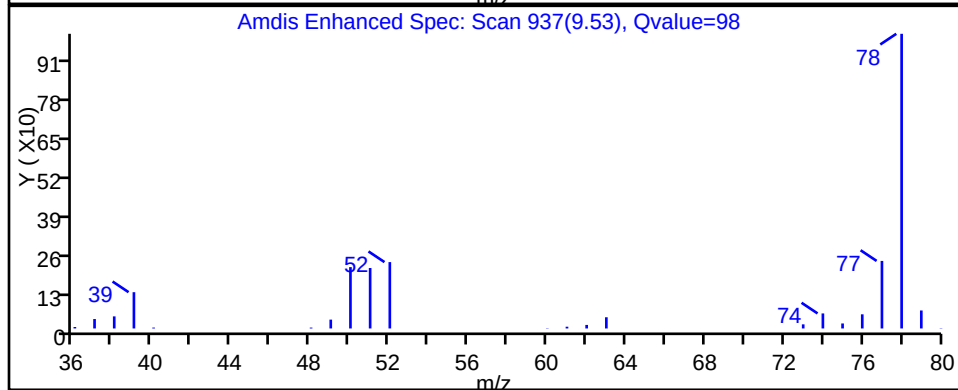
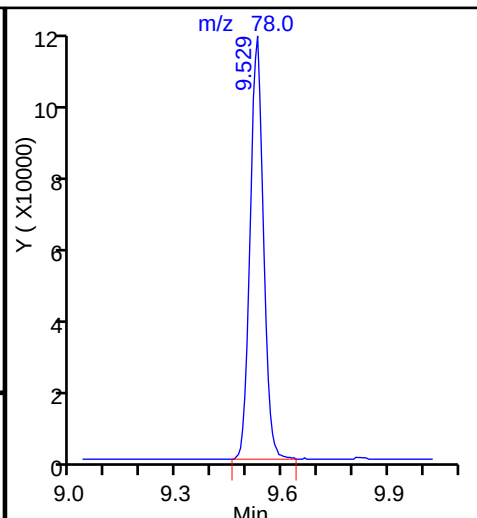
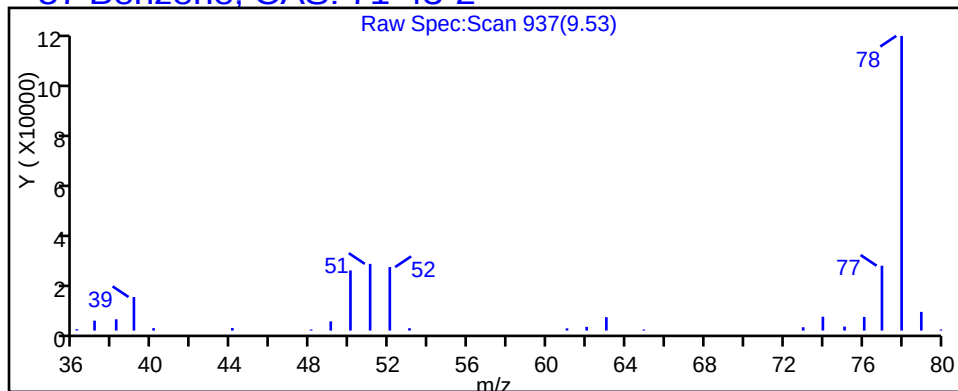
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

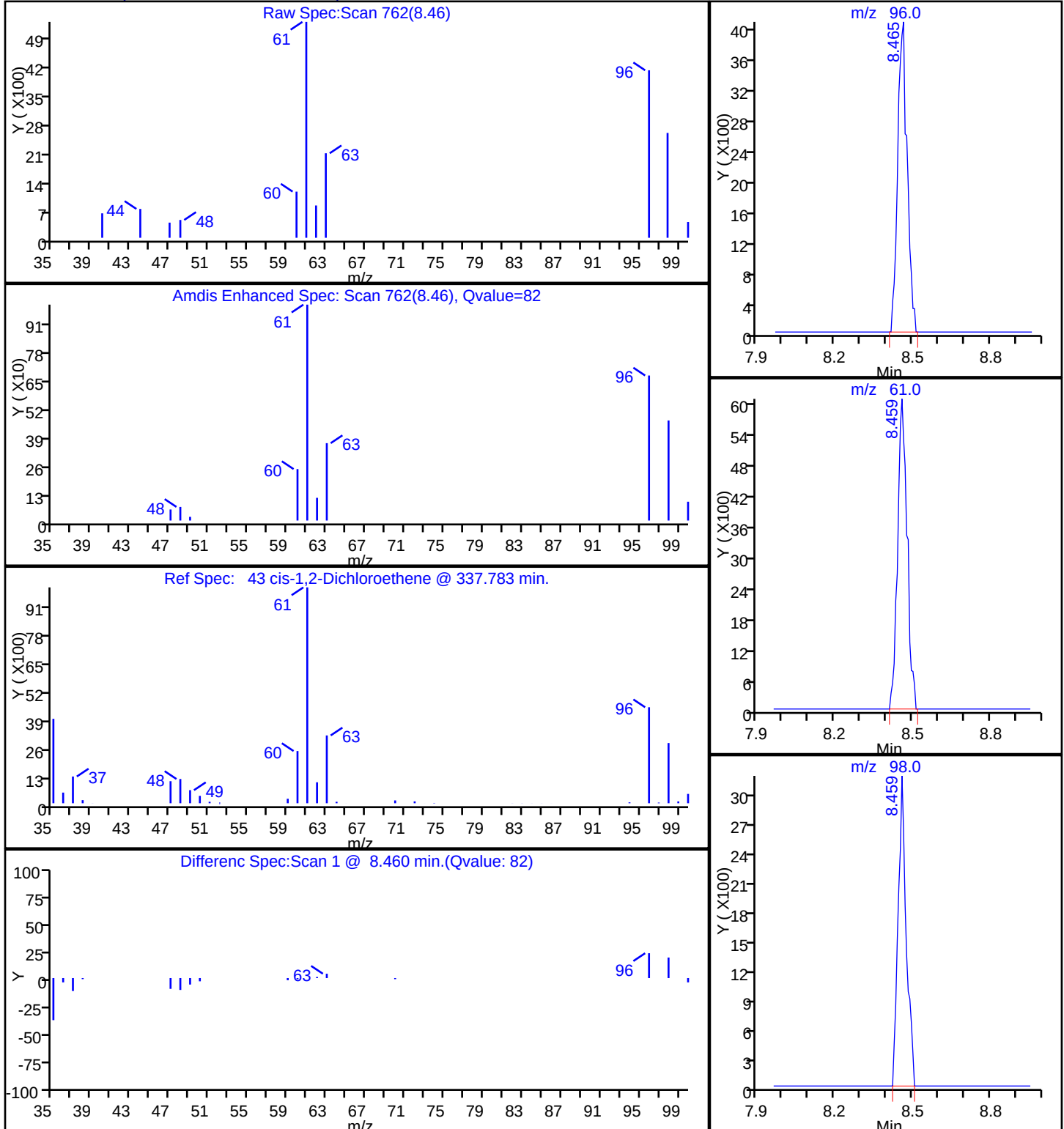
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0829.D
Injection Date: 01-Oct-2016 04:29:30 Instrument ID: HP5973P
Lims ID: 480-106799-A-5 Lab Sample ID: 480-106799-5
Client ID: 4009-12
Operator ID: SY ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20160930-56891.b\\P0829.D

Injection Date: 01-Oct-2016 04:29:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-5

Lab Sample ID: 480-106799-5

Client ID: 4009-12

Operator ID: SY

ALS Bottle#: 17

Worklist Smp#: 17

Purge Vol: 5.000 mL

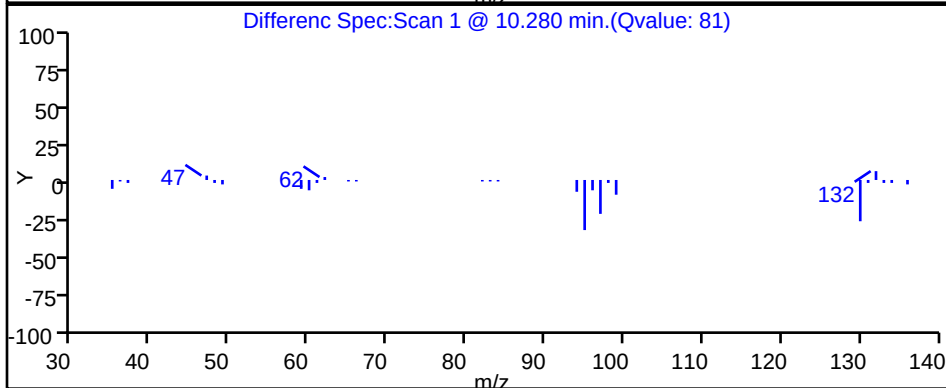
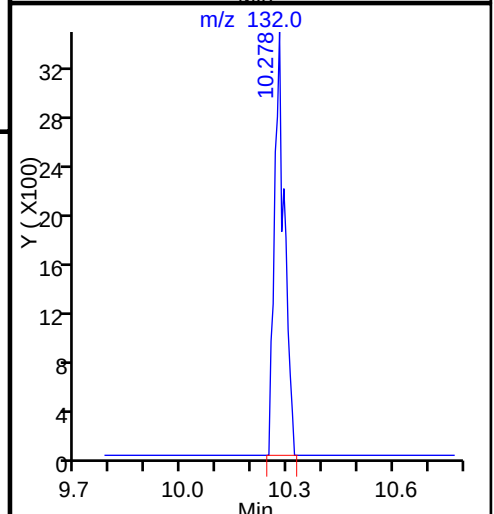
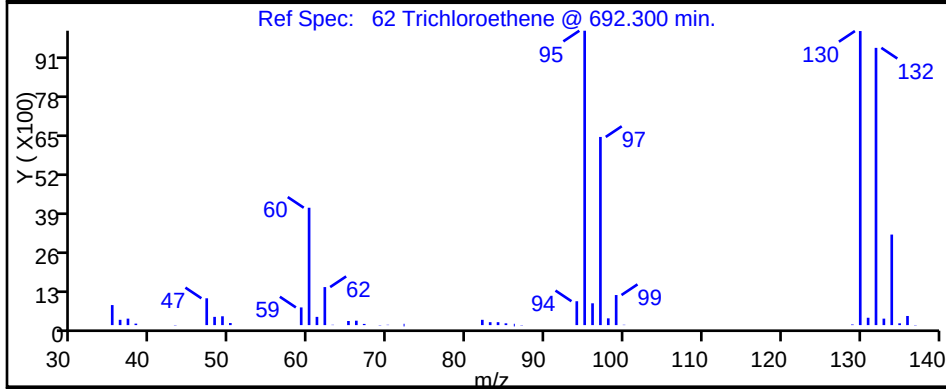
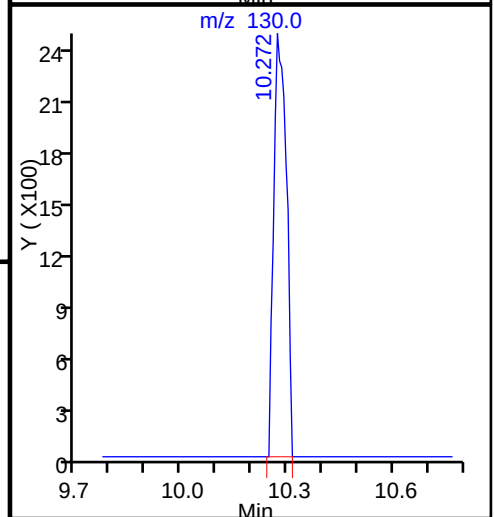
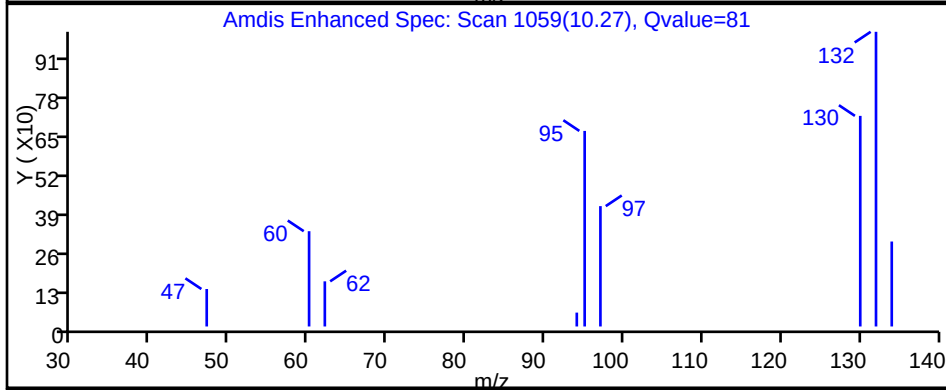
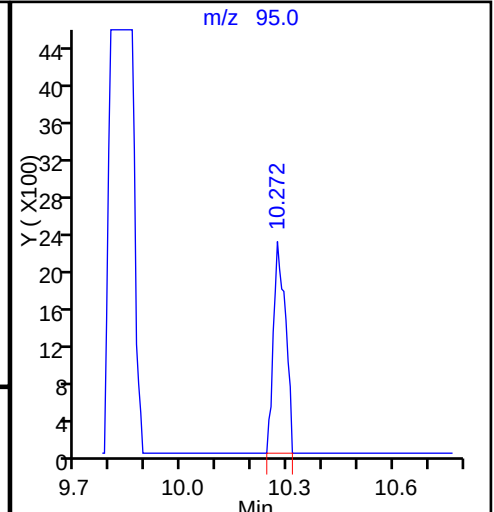
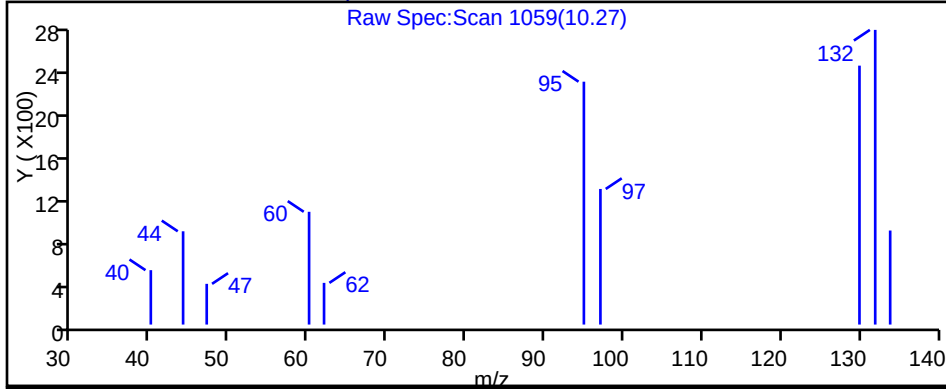
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0829.D

Injection Date: 01-Oct-2016 04:29:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-5

Lab Sample ID: 480-106799-5

Client ID: 4009-12

Operator ID: SY

ALS Bottle#: 17

Worklist Smp#: 17

Purge Vol: 5.000 mL

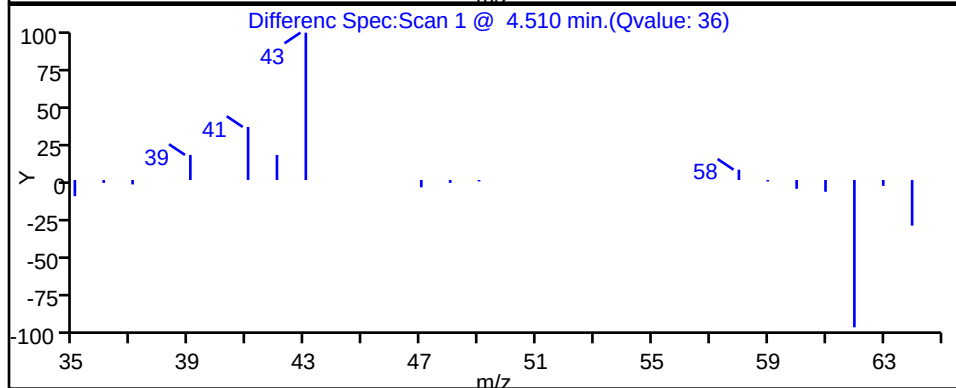
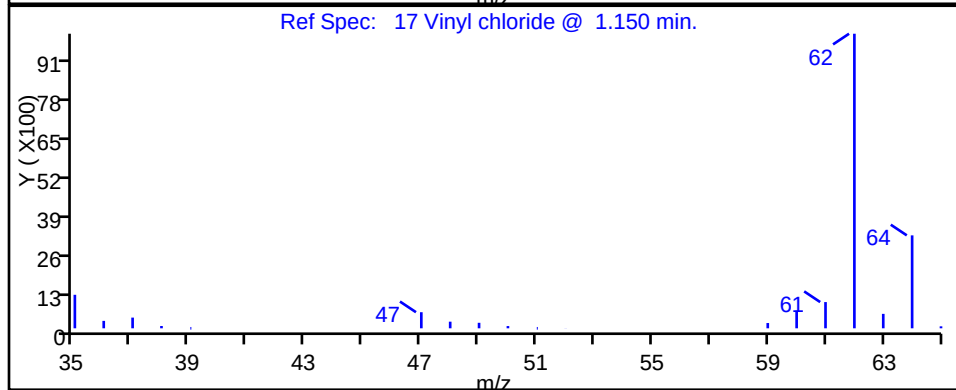
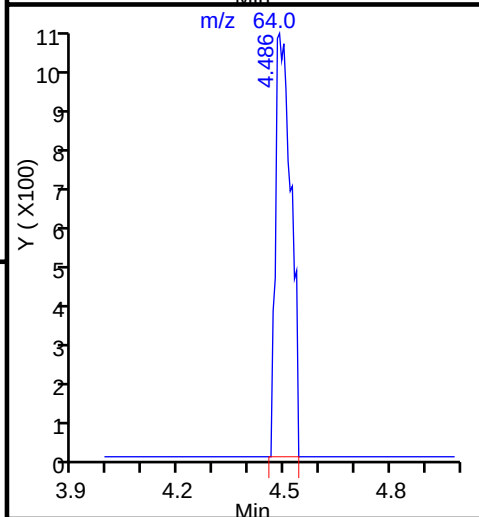
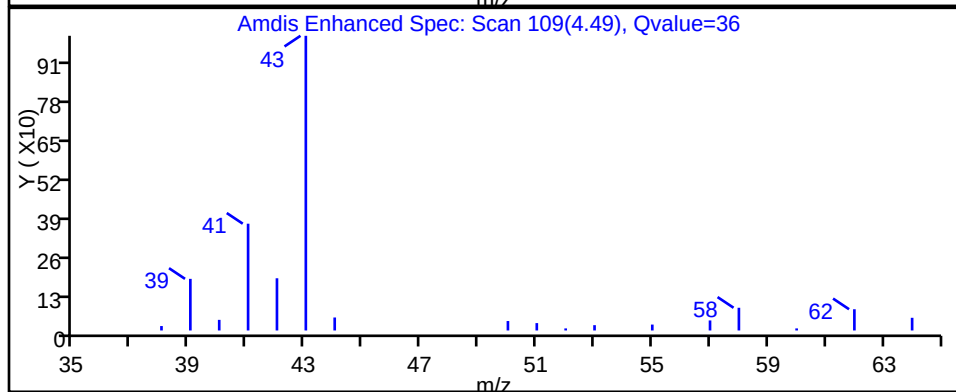
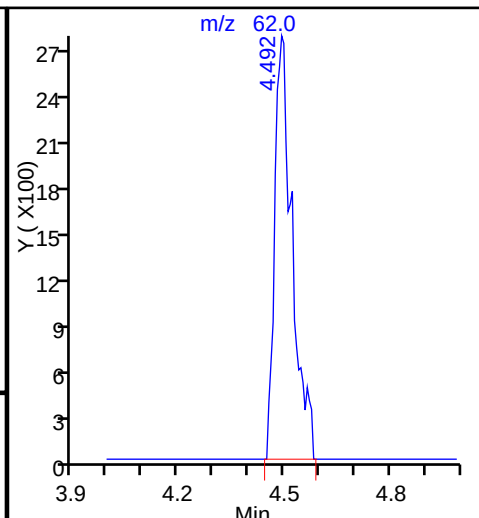
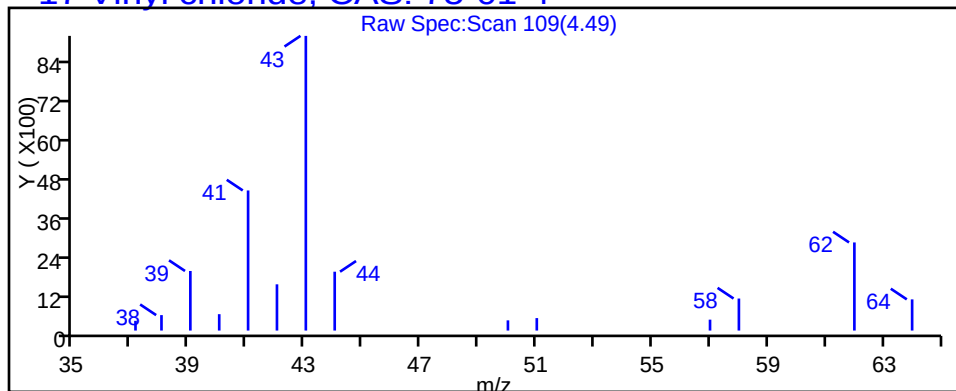
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

17 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-13</u>	Lab Sample ID: <u>480-106799-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0830.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 04:56</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323329</u>	Units: <u>ug/L</u>

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)	1.0	U *	1.0	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	1.0	U	1.0	3.0
71-43-2	Benzene	1.9		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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-13</u>	Lab Sample ID: <u>480-106799-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0830.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 04:56</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323329</u>	Units: <u>ug/L</u>

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)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123
2037-26-5	Toluene-d8 (Surr)	89		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0830.D
 Lims ID: 480-106799-A-6
 Client ID: 4009-13
 Sample Type: Client
 Inject. Date: 01-Oct-2016 04:56:30 ALS Bottle#: 18 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-6
 Misc. Info.: 480-0056891-018
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:25:22 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 10:27:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.821	9.821	0.000	98	134439	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	266584	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.757	16.750	0.007	97	305841	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.012	0.006	92	153902	23.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	95807	22.2	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	525787	22.2	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.272	0.006	92	208621	25.7	
10 Dichlorodifluoromethane	85		3.987				ND	
11 Chloromethane	50		4.291				ND	
17 Vinyl chloride	62		4.529				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43		6.323				ND	
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.067				ND	
54 Cyclohexane	56		9.134				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.523	9.523	0.000	98	70453	1.92	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		14.999				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO830.D

Injection Date: 01-Oct-2016 04:56:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-6

Lab Sample ID: 480-106799-6

Worklist Smp#: 18

Client ID: 4009-13

Purge Vol: 5.000 mL

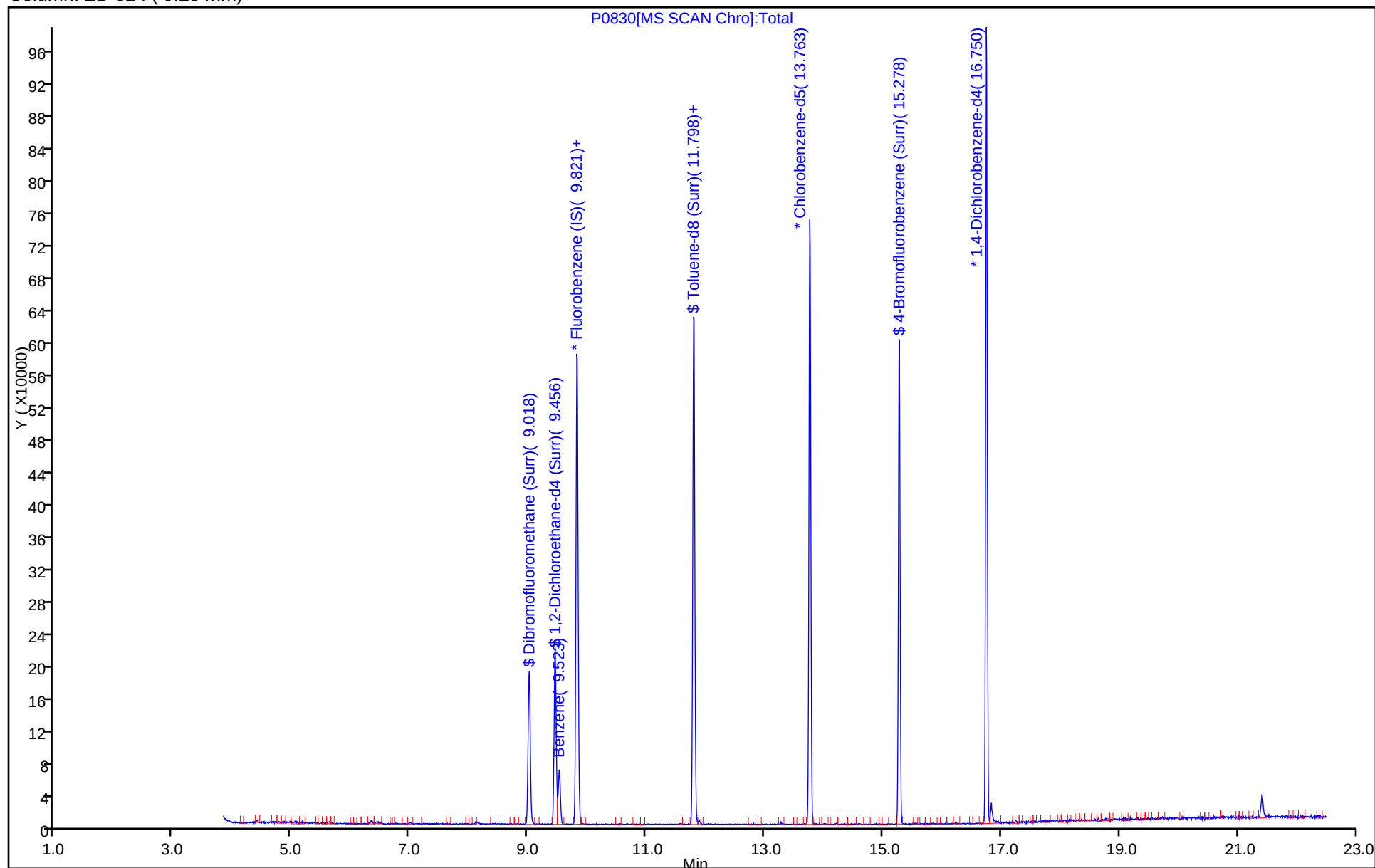
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0830.D

Injection Date: 01-Oct-2016 04:56:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-6

Lab Sample ID: 480-106799-6

Client ID: 4009-13

Operator ID: SY

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 5.000 mL

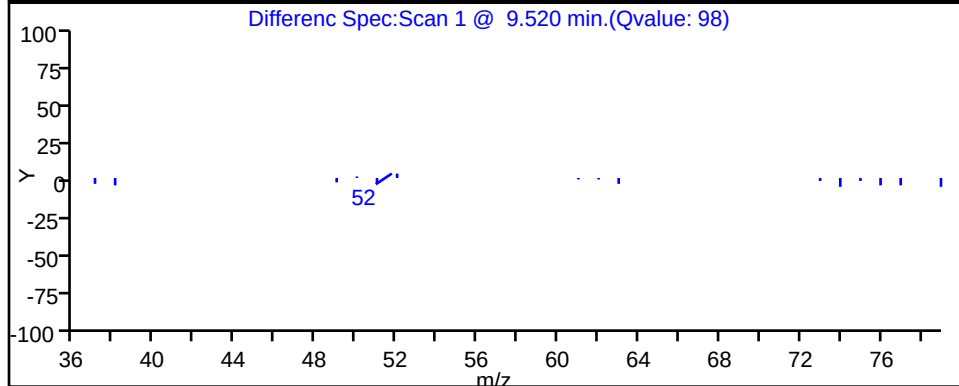
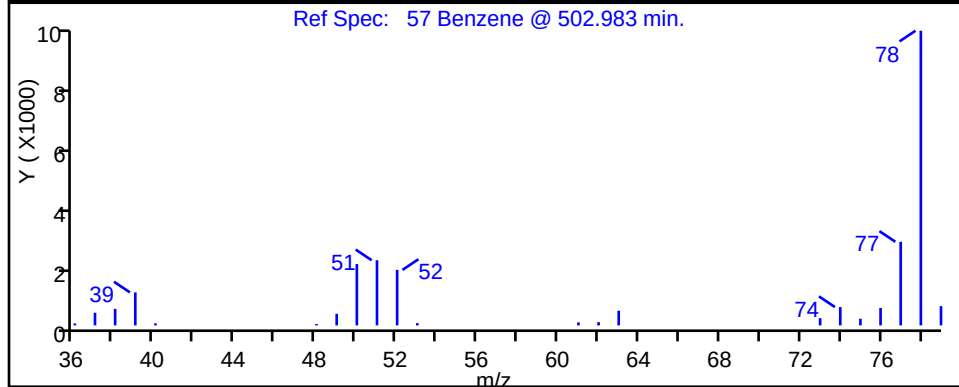
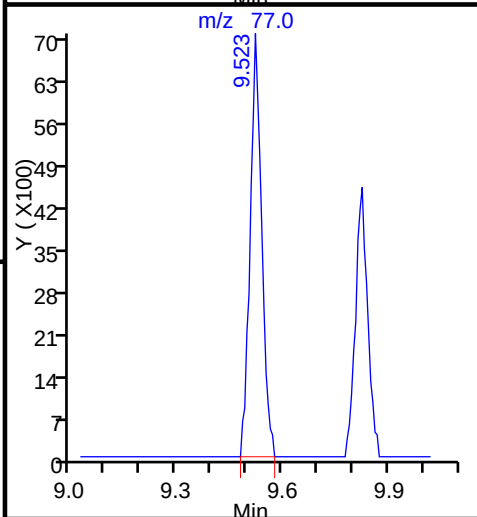
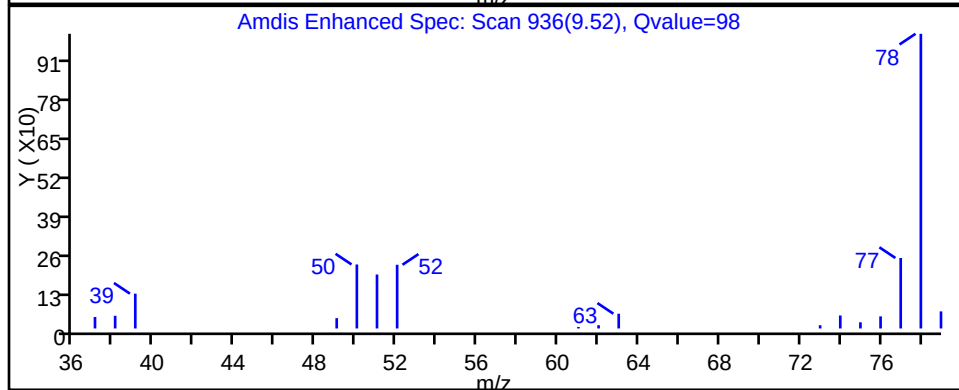
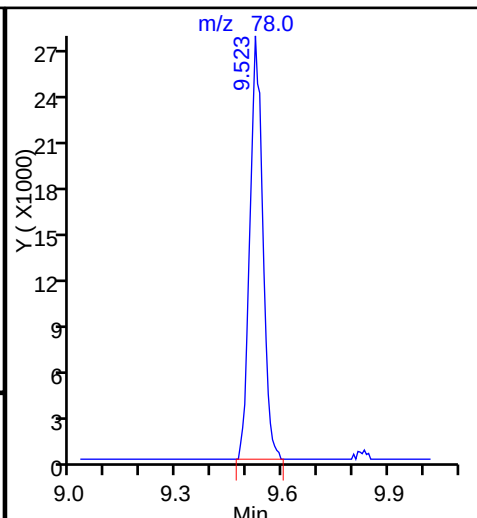
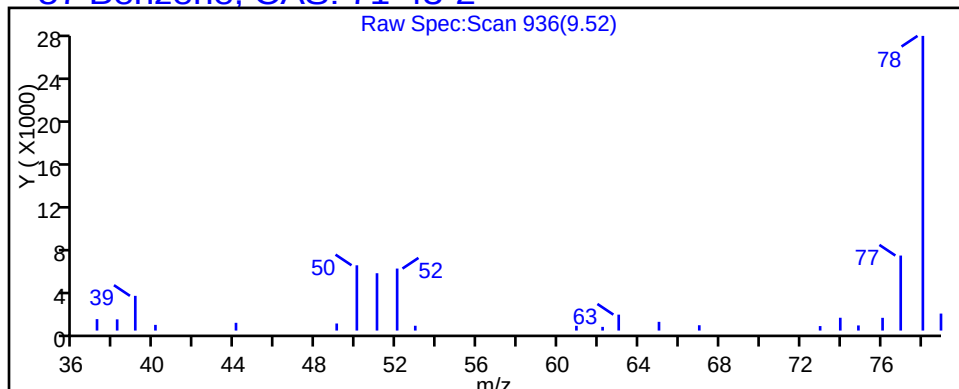
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-13A</u>	Lab Sample ID: <u>480-106799-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0831.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:20</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 05:24</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323329</u>	Units: <u>ug/L</u>

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)	1.0	U *	1.0	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	1.0	U	1.0	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.: 480-106799-1

SDG No.: _____

Client Sample ID: 4009-13A Lab Sample ID: 480-106799-7

Matrix: Water Lab File ID: P0831.D

Analysis Method: 8260C Date Collected: 09/29/2016 10:20

Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 05:24

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 323329 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)	90		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123
2037-26-5	Toluene-d8 (Surr)	89		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0831.D
 Lims ID: 480-106799-A-7
 Client ID: 4009-13A
 Sample Type: Client
 Inject. Date: 01-Oct-2016 05:24:30 ALS Bottle#: 19 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-7
 Misc. Info.: 480-0056891-019
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:25:22 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 10:27:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.828	9.821	0.007	98	132673	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.763	0.001	86	265861	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.750	0.001	96	307278	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.012	0.006	93	154390	23.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.450	9.456	-0.006	0	96092	22.6	
\$ 5 Toluene-d8 (Surr)	98	11.799	11.798	0.001	92	526940	22.3	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.272	0.006	90	205983	25.5	
10 Dichlorodifluoromethane	85		3.987				ND	
11 Chloromethane	50		4.291				ND	
17 Vinyl chloride	62		4.529				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43		6.323				ND	
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97	9.073	9.067	0.006	72	3212	0.2244	
54 Cyclohexane	56		9.134				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.523	9.523	0.000	93	11398	0.3154	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		14.999				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO831.D

Injection Date: 01-Oct-2016 05:24:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-7

Lab Sample ID: 480-106799-7

Worklist Smp#: 19

Client ID: 4009-13A

Purge Vol: 5.000 mL

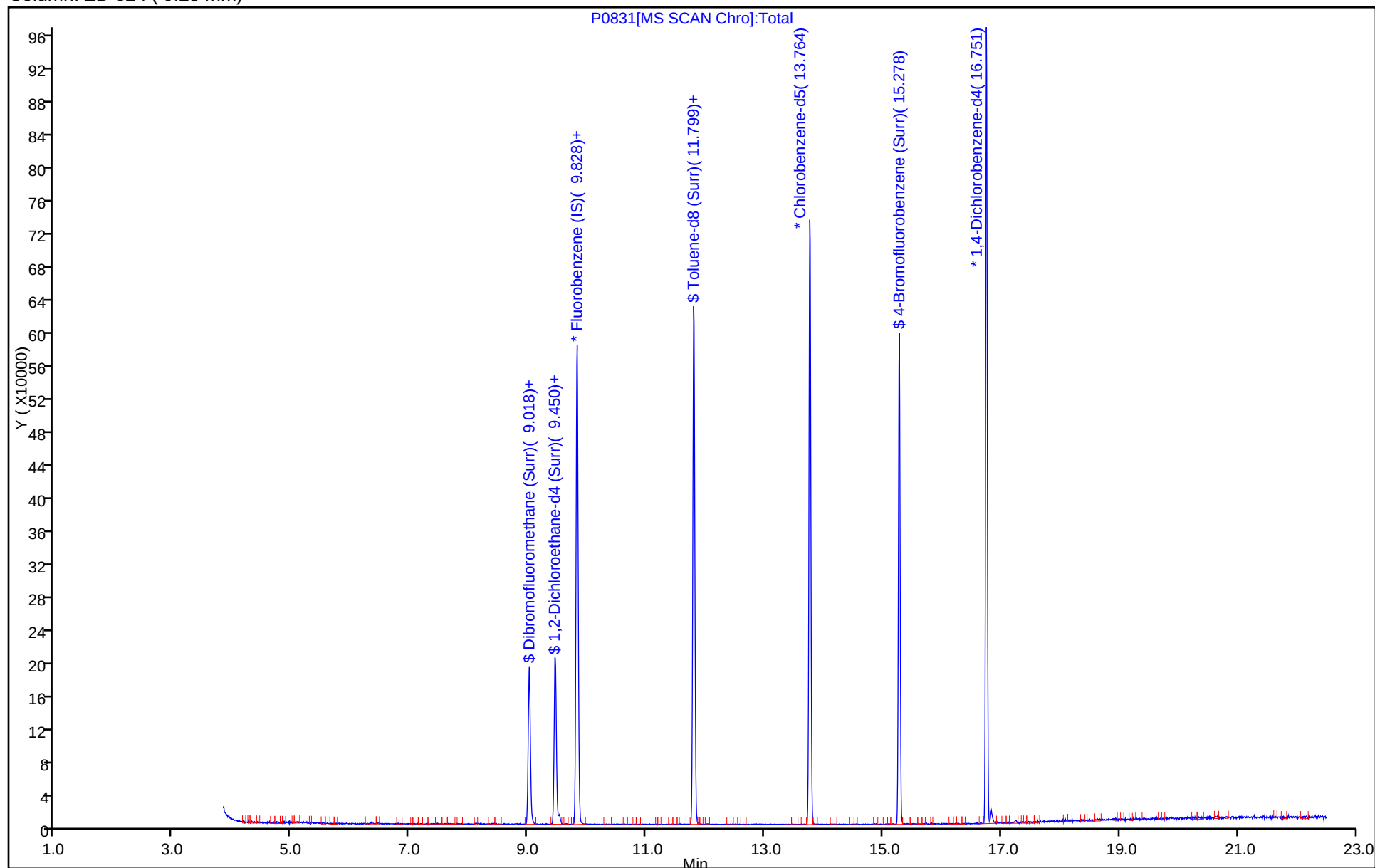
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-14</u>	Lab Sample ID: <u>480-106799-8</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0832.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 08:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 05:51</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323329</u>	Units: <u>ug/L</u>

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	15		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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-14</u>	Lab Sample ID: <u>480-106799-8</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0832.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 08:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 05:51</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323329</u>	Units: <u>ug/L</u>

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	0.55	J	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)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123
2037-26-5	Toluene-d8 (Surr)	89		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0832.D
 Lims ID: 480-106799-A-8
 Client ID: 4009-14
 Sample Type: Client
 Inject. Date: 01-Oct-2016 05:51:30 ALS Bottle#: 20 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-8
 Misc. Info.: 480-0056891-020
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:25:22 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 10:28:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.821	0.006	99	129939	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.763	0.001	86	270072	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.750	0.001	96	302426	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.012	0.000	92	154570	24.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	94643	22.7	
\$ 5 Toluene-d8 (Surr)	98	11.799	11.798	0.001	93	531969	22.2	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.272	0.006	89	202430	24.6	
10 Dichlorodifluoromethane	85		3.987				ND	
11 Chloromethane	50		4.291				ND	
17 Vinyl chloride	62		4.529				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43		6.323				ND	
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.067				ND	
54 Cyclohexane	56		9.134				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.529	9.523	0.006	98	546824	15.4	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92	11.890	11.890	0.000	97	12897	0.5464	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		14.999				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO832.D

Injection Date: 01-Oct-2016 05:51:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-8

Lab Sample ID: 480-106799-8

Worklist Smp#: 20

Client ID: 4009-14

Purge Vol: 5.000 mL

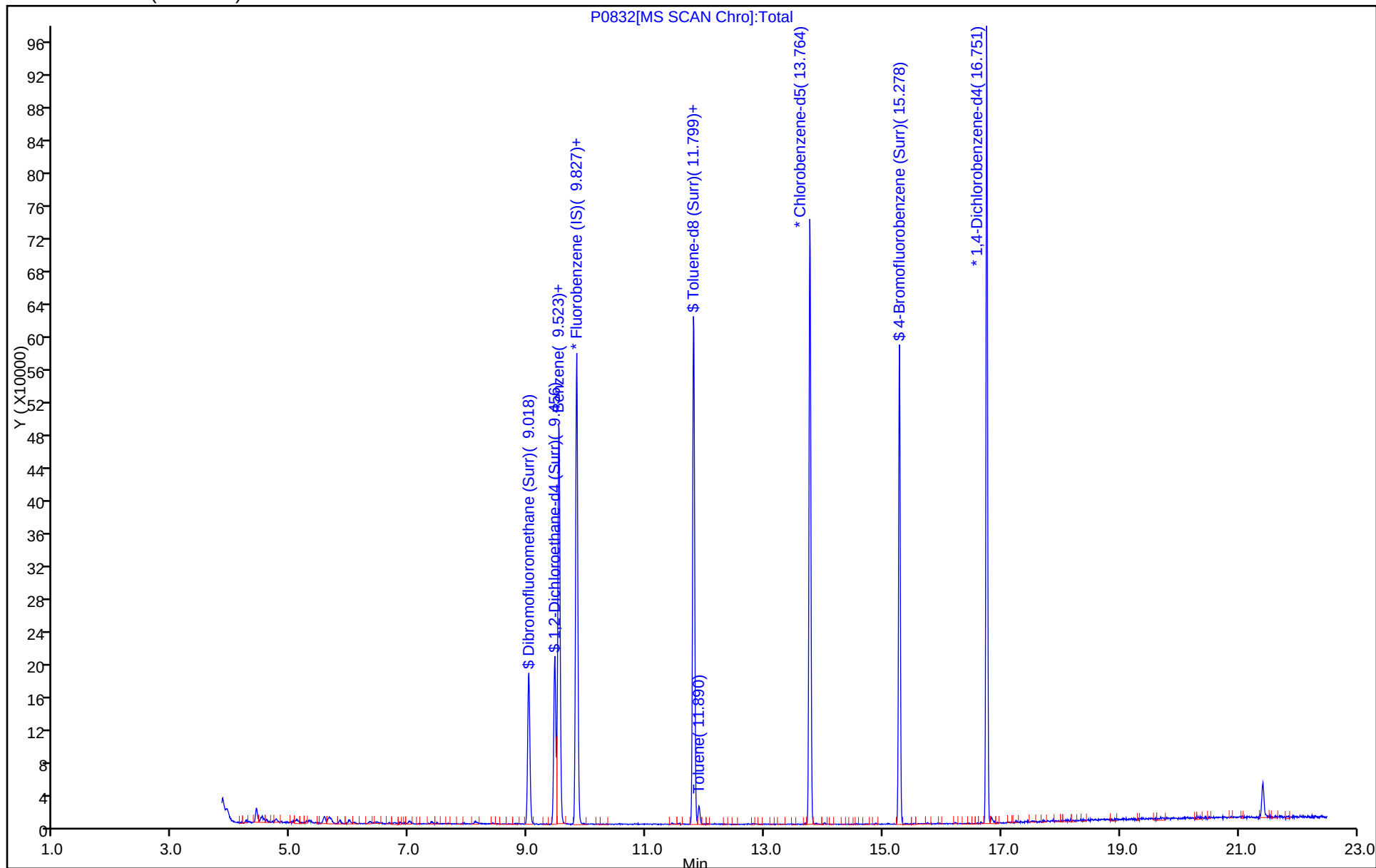
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0832.D

Injection Date: 01-Oct-2016 05:51:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-8

Lab Sample ID: 480-106799-8

Client ID: 4009-14

Operator ID: SY

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 5.000 mL

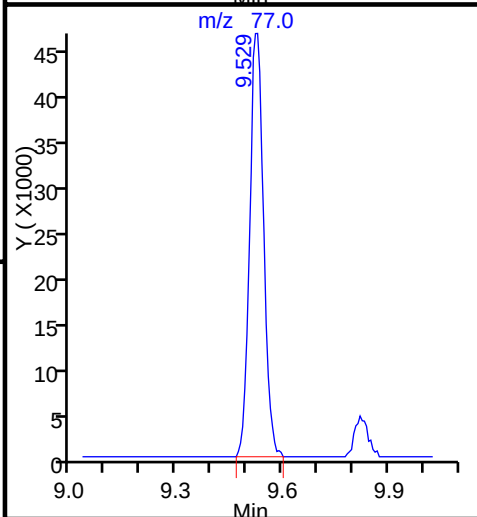
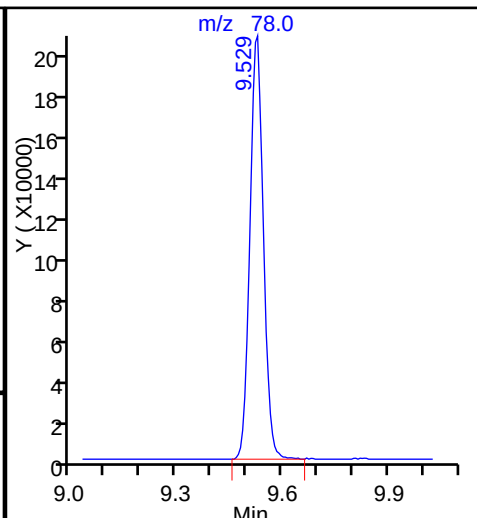
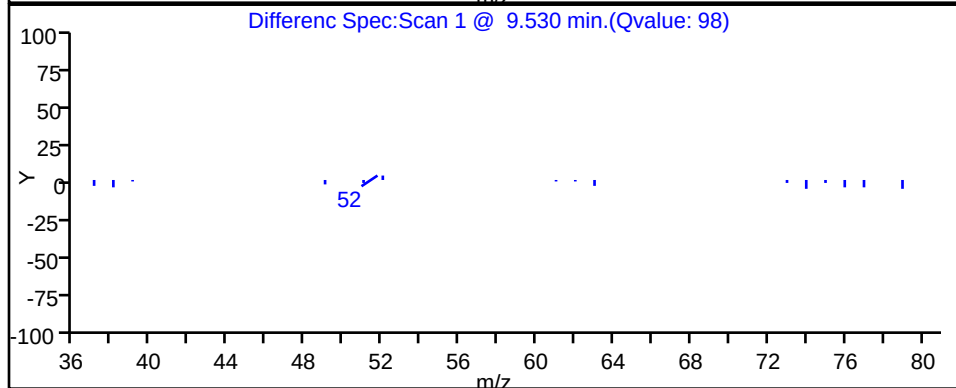
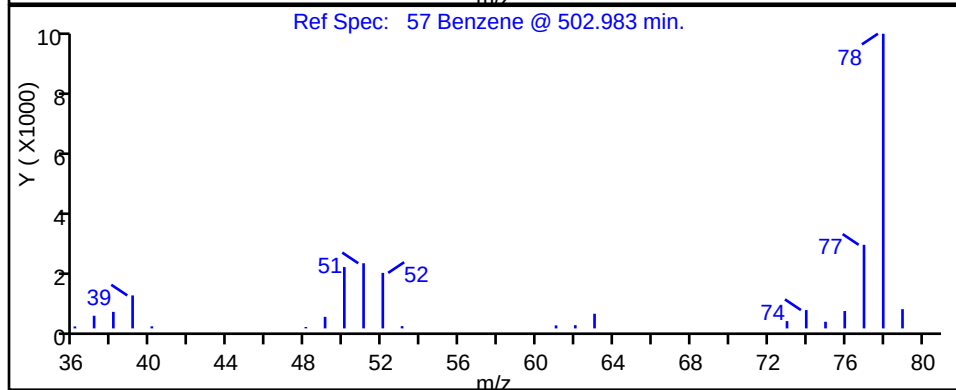
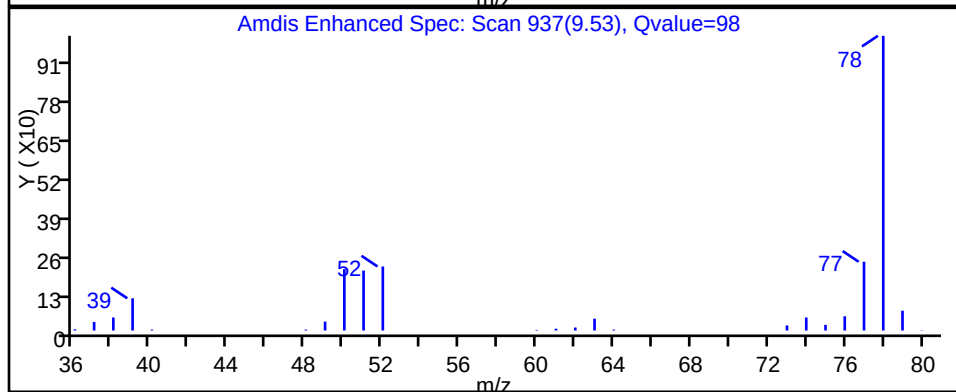
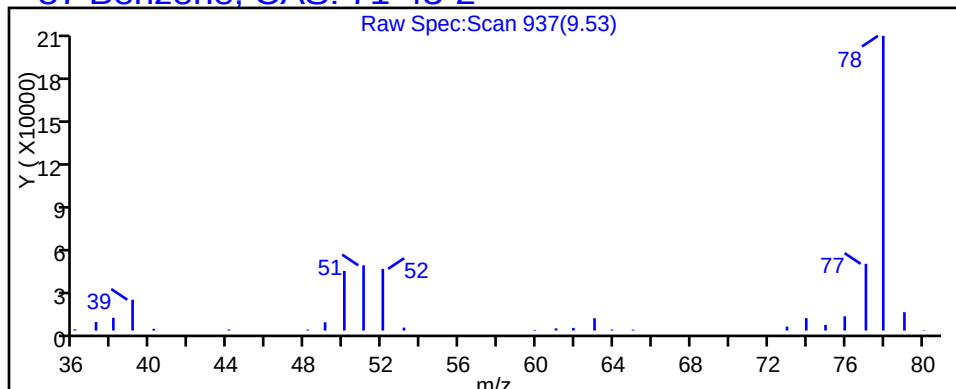
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0832.D

Injection Date: 01-Oct-2016 05:51:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-8

Lab Sample ID: 480-106799-8

Client ID: 4009-14

Operator ID: SY

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 5.000 mL

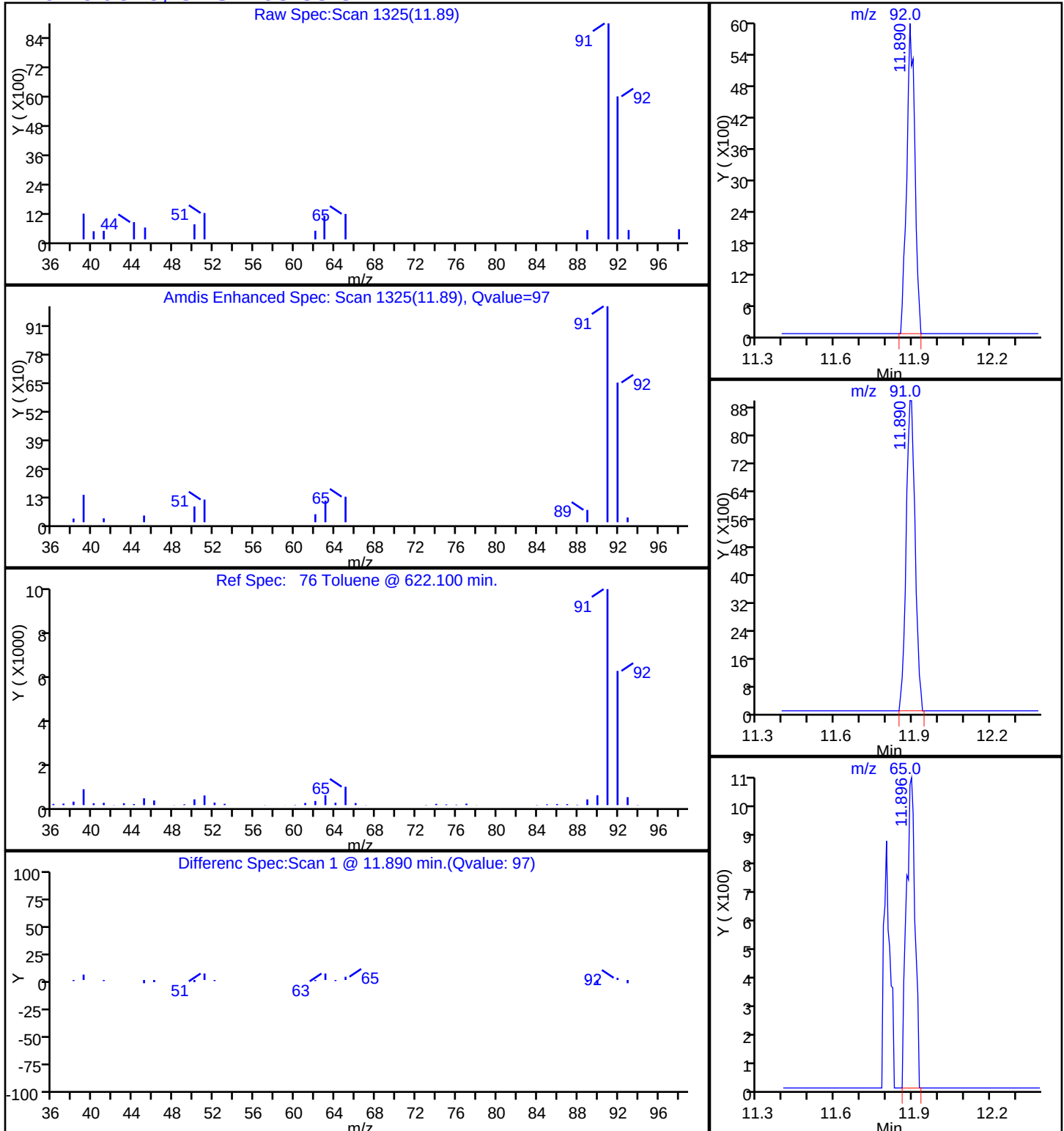
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

76 Toluene, CAS: 108-88-3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-15</u>	Lab Sample ID: <u>480-106799-9</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0833.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 09:25</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 06:18</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323329</u>	Units: <u>ug/L</u>

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)	1.0	U *	1.0	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	4.3	J	1.0	3.0
71-43-2	Benzene	7.8		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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: 4009-15 Lab Sample ID: 480-106799-9
 Matrix: Water Lab File ID: P0833.D
 Analysis Method: 8260C Date Collected: 09/29/2016 09:25
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 06:18
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323329 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	0.61	J	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)	92		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123
2037-26-5	Toluene-d8 (Surr)	89		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0833.D
 Lims ID: 480-106799-A-9
 Client ID: 4009-15
 Sample Type: Client
 Inject. Date: 01-Oct-2016 06:18:30 ALS Bottle#: 21 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-9
 Misc. Info.: 480-0056891-021
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:25:22 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 10:28:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.821	0.006	98	126717	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	87	262782	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	97	301824	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.012	0.000	93	155268	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	93733	23.1	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	517554	22.2	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.272	0.006	89	201982	25.3	
10 Dichlorodifluoromethane	85		3.987				ND	
11 Chloromethane	50		4.291				ND	
17 Vinyl chloride	62		4.529				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43	6.335	6.323	0.012	98	22286	4.28	
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.067				ND	
54 Cyclohexane	56		9.134				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.529	9.523	0.006	98	268178	7.77	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92	11.890	11.890	0.000	96	14036	0.6112	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		14.999				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO833.D

Injection Date: 01-Oct-2016 06:18:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-9

Lab Sample ID: 480-106799-9

Worklist Smp#: 21

Client ID: 4009-15

Purge Vol: 5.000 mL

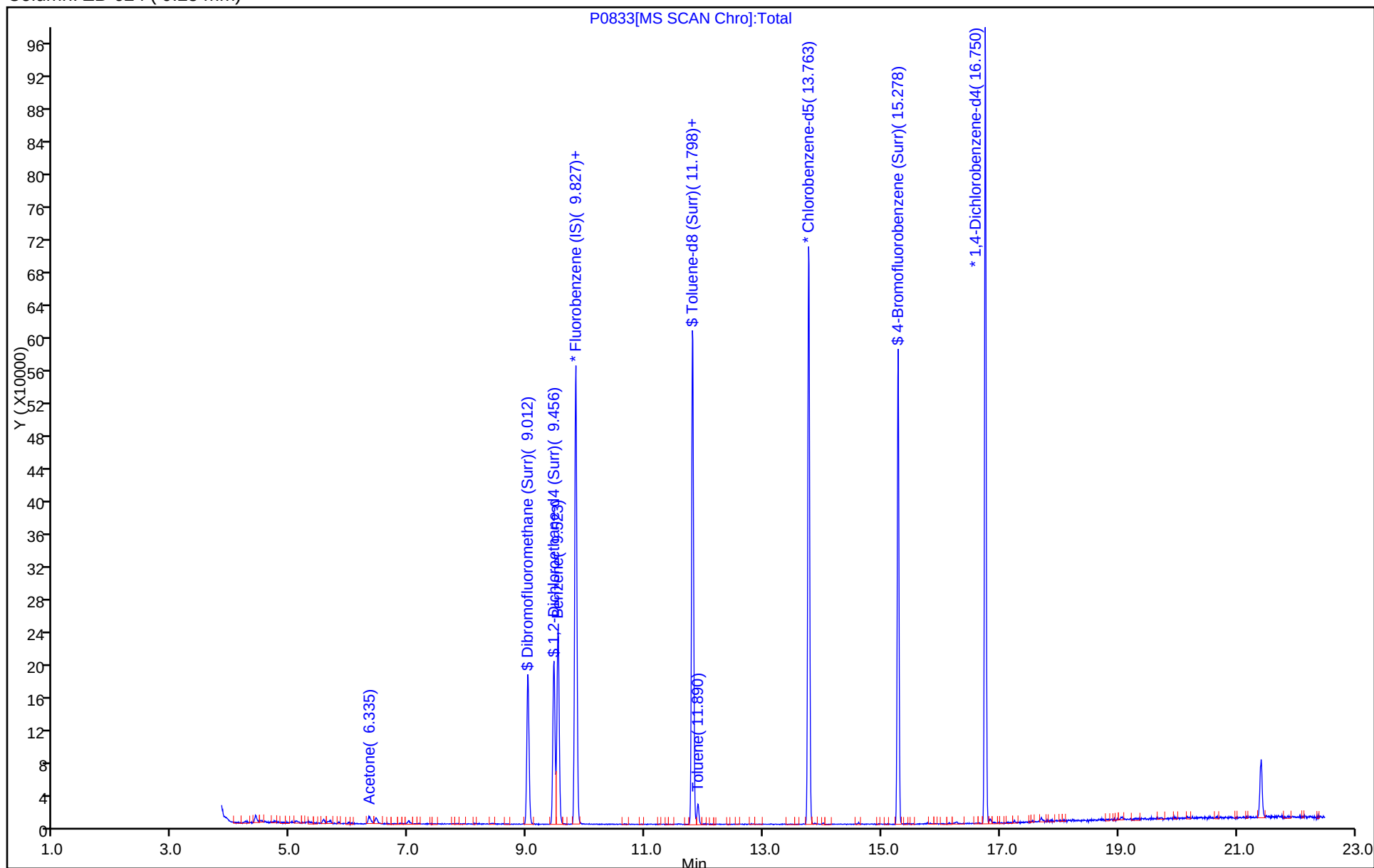
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0833.D

Injection Date: 01-Oct-2016 06:18:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-9

Lab Sample ID: 480-106799-9

Client ID: 4009-15

Operator ID: SY

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 5.000 mL

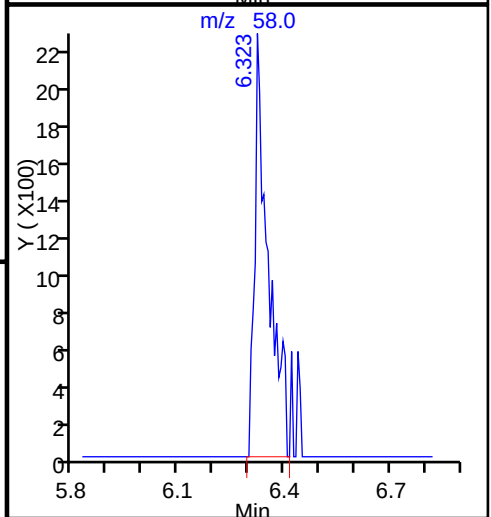
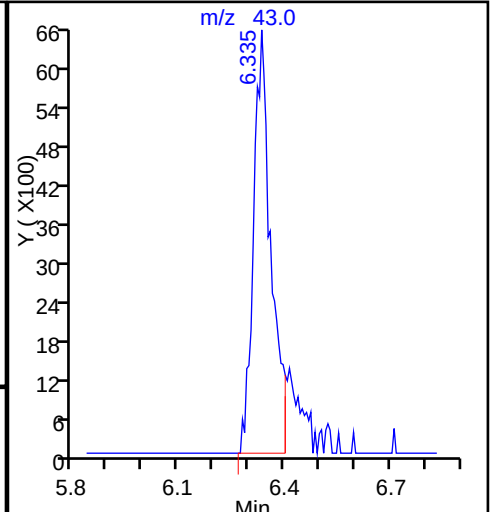
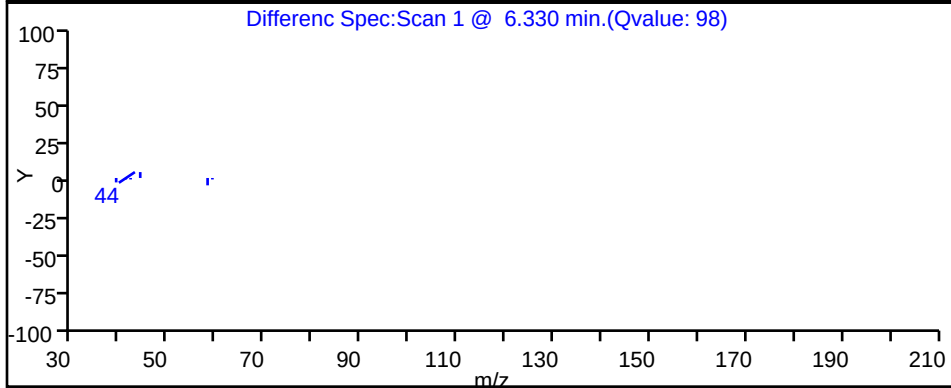
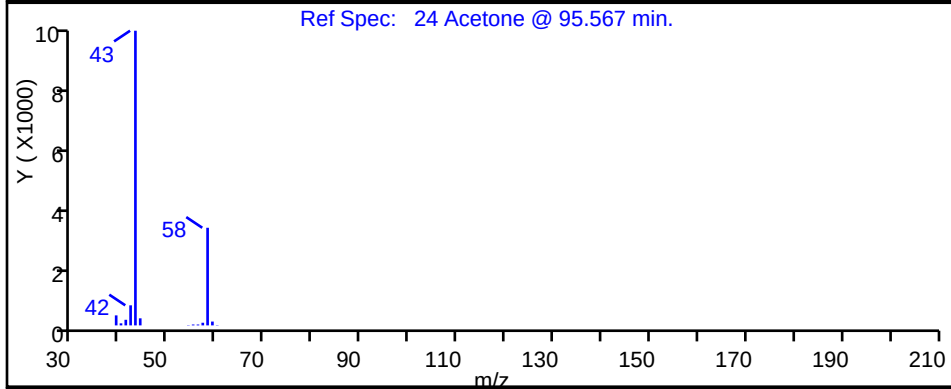
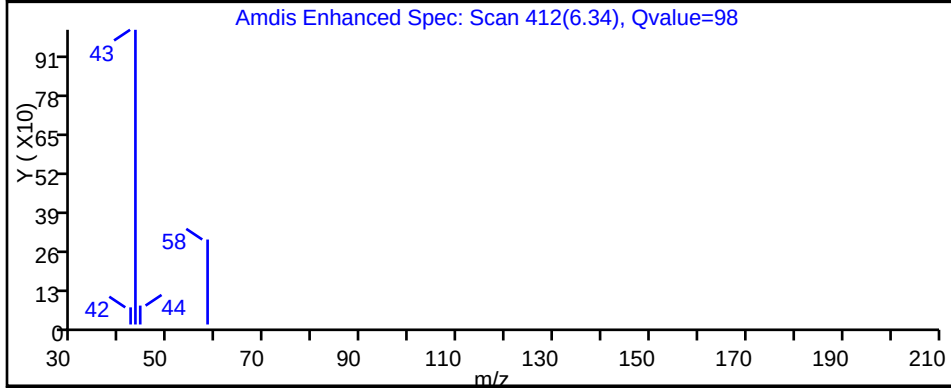
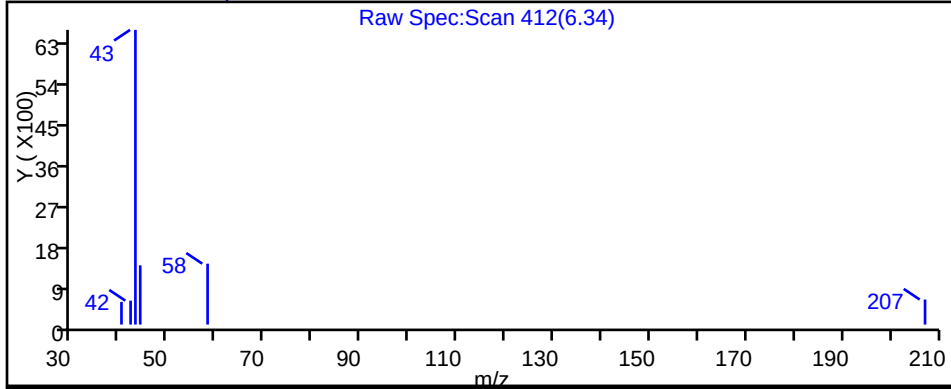
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

24 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0833.D

Injection Date: 01-Oct-2016 06:18:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-9

Lab Sample ID: 480-106799-9

Client ID: 4009-15

Operator ID: SY

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 5.000 mL

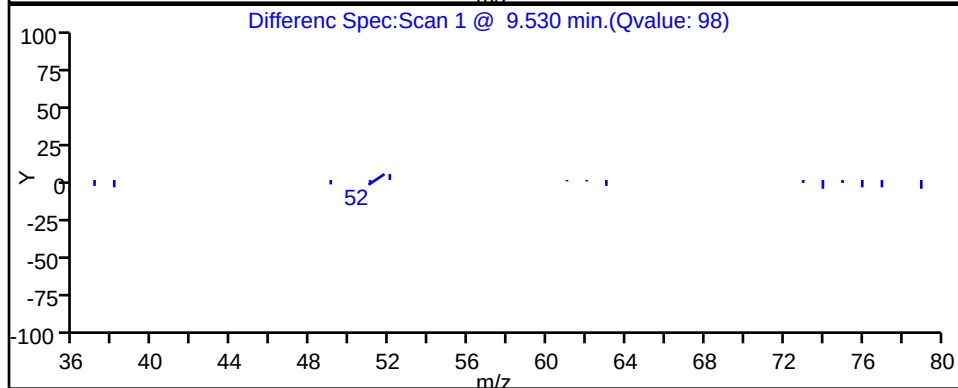
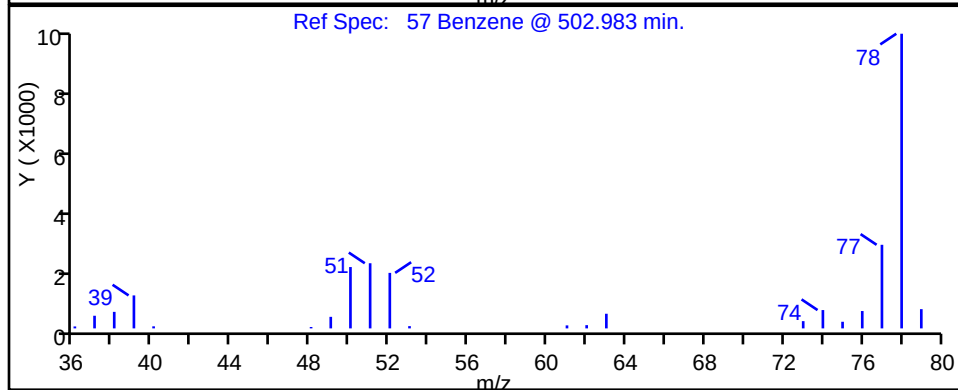
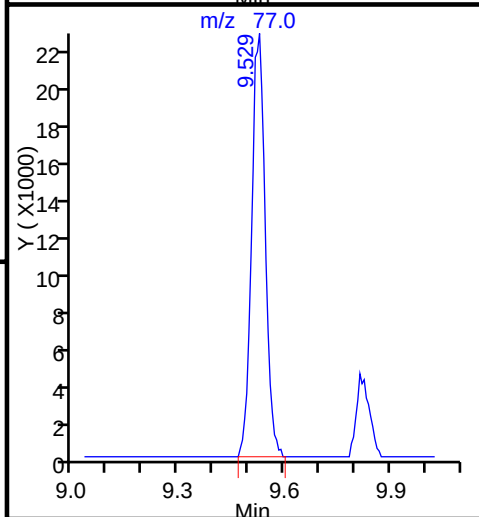
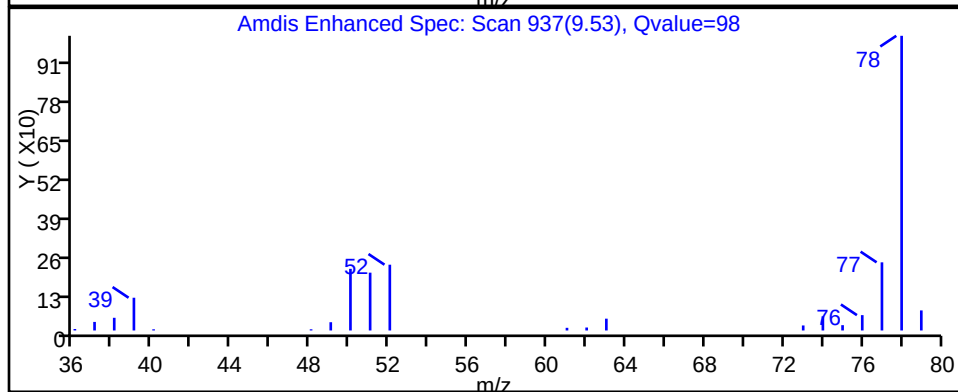
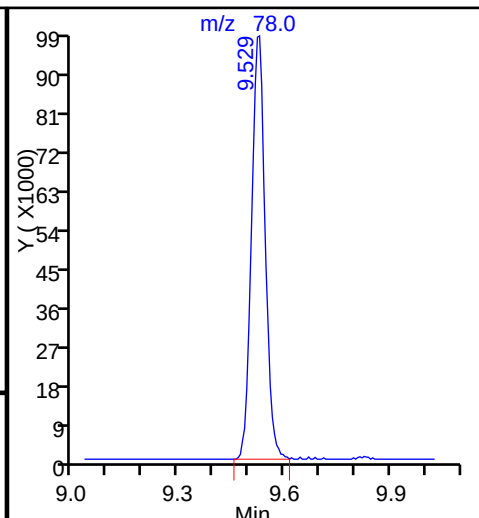
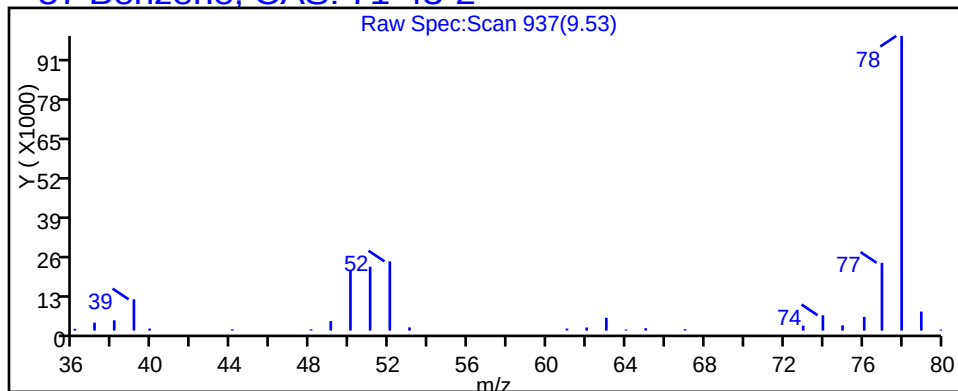
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0833.D

Injection Date: 01-Oct-2016 06:18:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-9

Lab Sample ID: 480-106799-9

Client ID: 4009-15

Operator ID: SY

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 5.000 mL

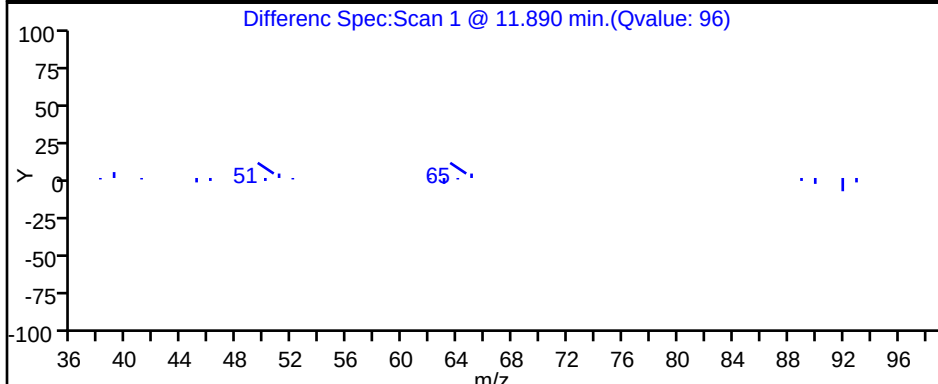
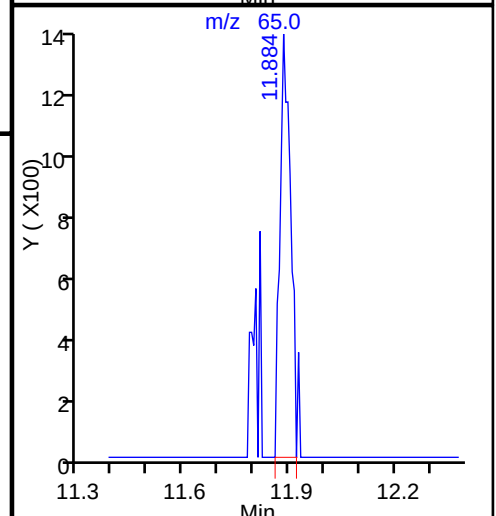
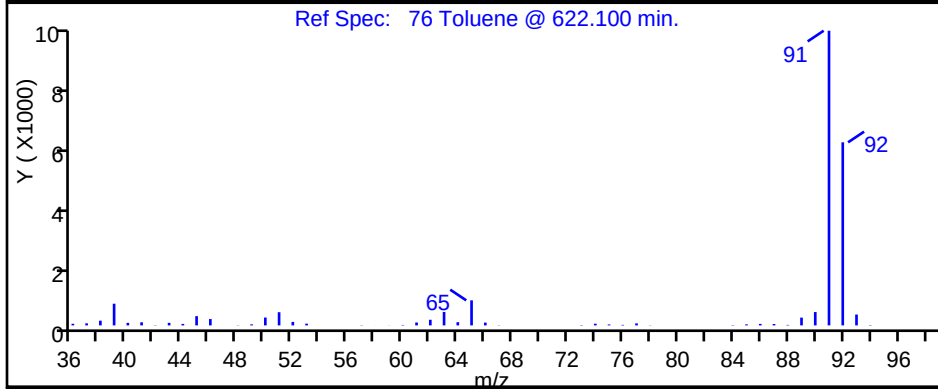
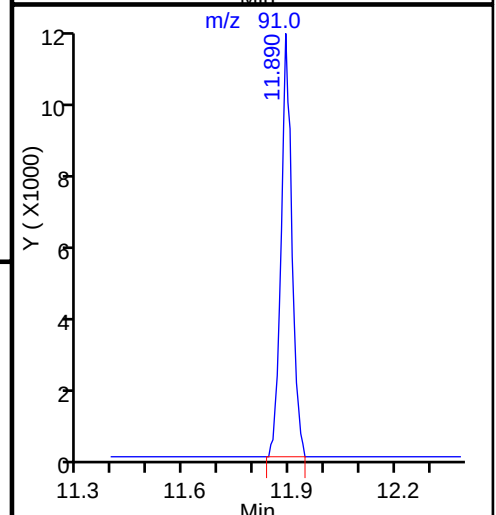
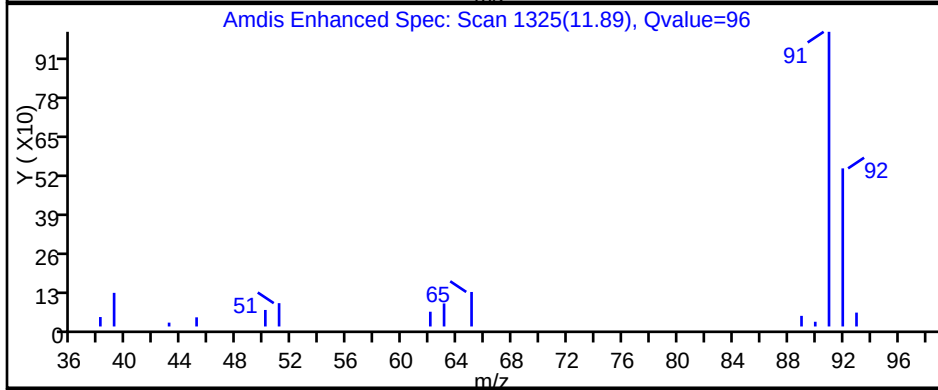
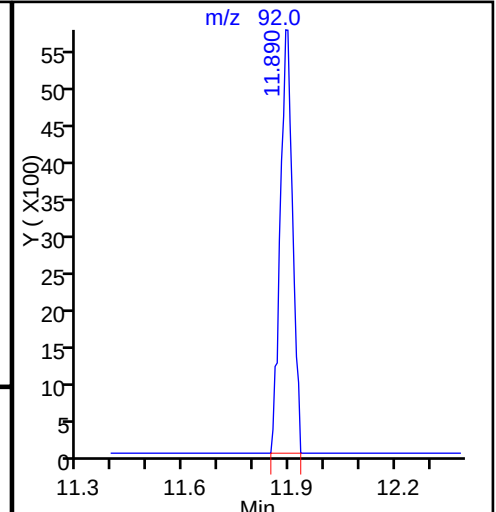
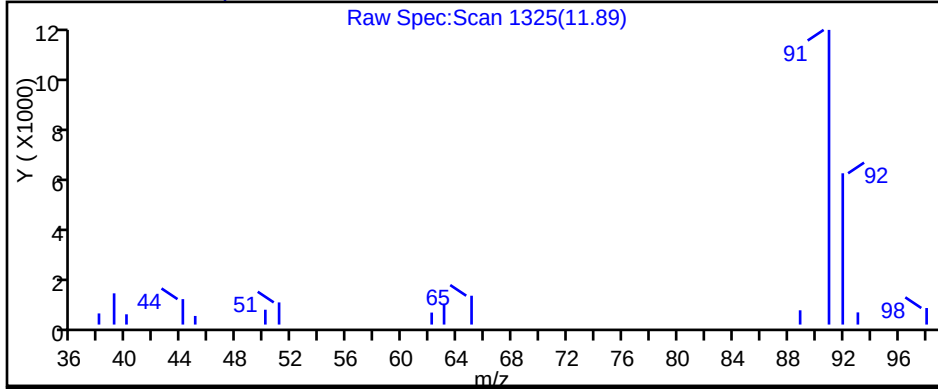
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

76 Toluene, CAS: 108-88-3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-16</u>	Lab Sample ID: <u>480-106799-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0834.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 09:05</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 06:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323329</u>	Units: <u>ug/L</u>

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)	1.0	U *	1.0	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	1.0	U	1.0	3.0
71-43-2	Benzene	8.0		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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-16</u>	Lab Sample ID: <u>480-106799-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0834.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 09:05</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 06:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323329</u>	Units: <u>ug/L</u>

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	0.69	J	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)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123
2037-26-5	Toluene-d8 (Surr)	91		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0834.D
 Lims ID: 480-106799-A-10
 Client ID: 4009-16
 Sample Type: Client
 Inject. Date: 01-Oct-2016 06:45:30 ALS Bottle#: 22 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-10
 Misc. Info.: 480-0056891-022
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:25:22 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 10:28:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.821	0.006	99	128968	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	257483	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	305350	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.012	0.000	93	153486	24.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	94489	22.9	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	517825	22.6	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.272	0.006	89	198456	25.3	
10 Dichlorodifluoromethane	85		3.987				ND	
11 Chloromethane	50		4.291				ND	
17 Vinyl chloride	62		4.529				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43		6.323				ND	
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.067				ND	
54 Cyclohexane	56		9.134				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.529	9.523	0.006	98	281881	8.02	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92	11.890	11.890	0.000	98	15525	0.6899	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		14.999				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO834.D

Injection Date: 01-Oct-2016 06:45:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-10

Lab Sample ID: 480-106799-10

Worklist Smp#: 22

Client ID: 4009-16

Purge Vol: 5.000 mL

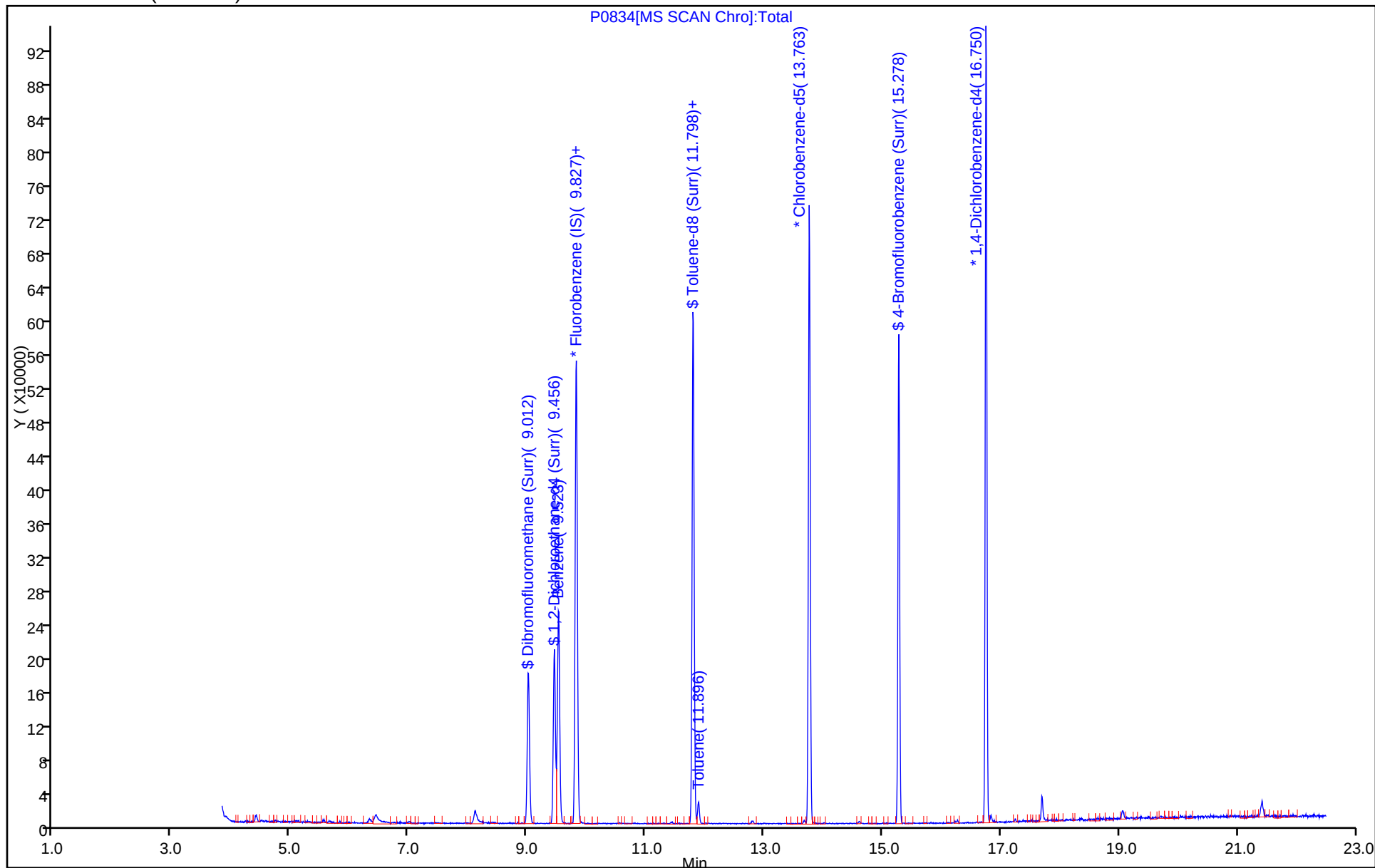
Dil. Factor: 1.0000

ALS Bottle#: 22

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0834.D

Injection Date: 01-Oct-2016 06:45:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-10

Lab Sample ID: 480-106799-10

Client ID: 4009-16

Operator ID: SY

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 5.000 mL

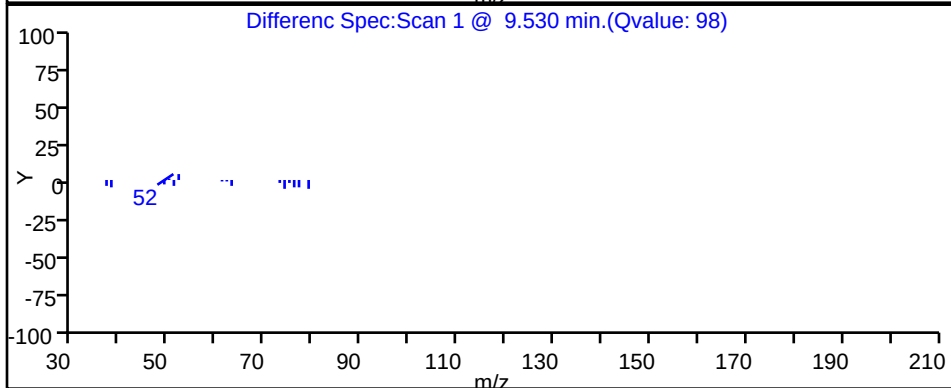
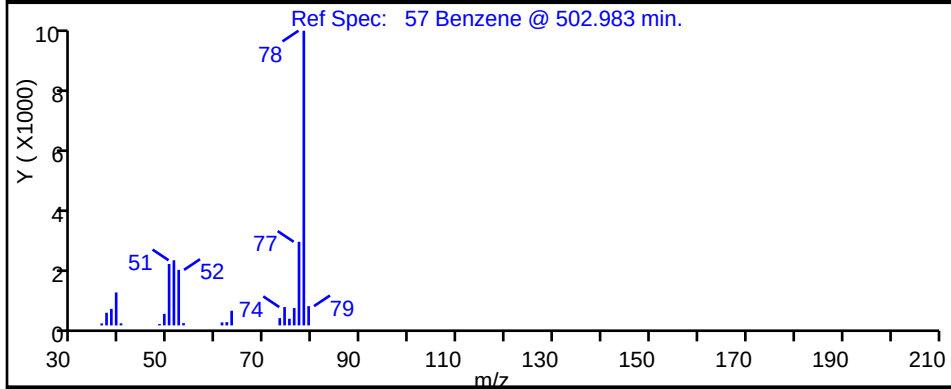
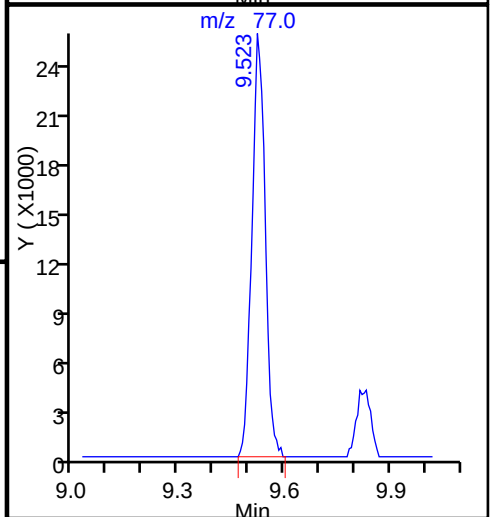
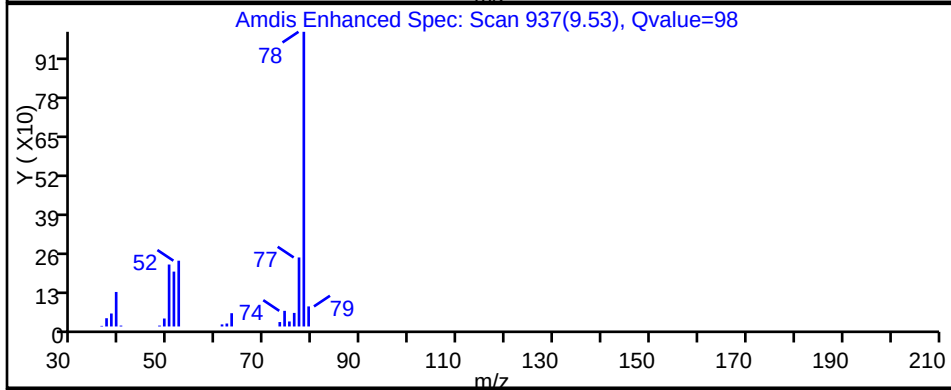
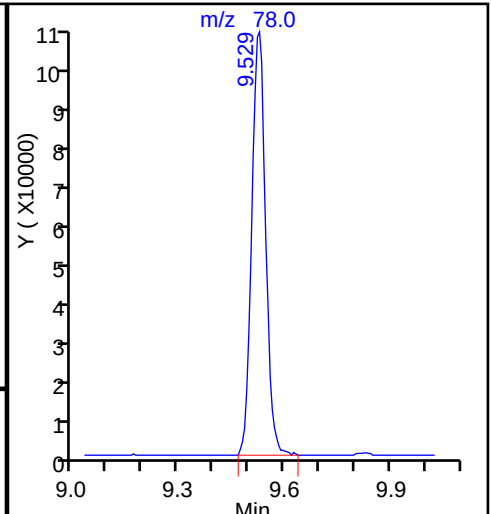
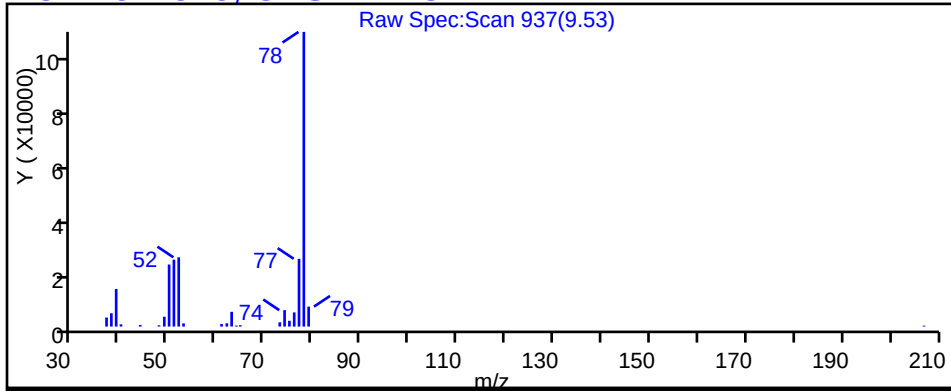
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0834.D

Injection Date: 01-Oct-2016 06:45:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-10

Lab Sample ID: 480-106799-10

Client ID: 4009-16

Operator ID: SY

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 5.000 mL

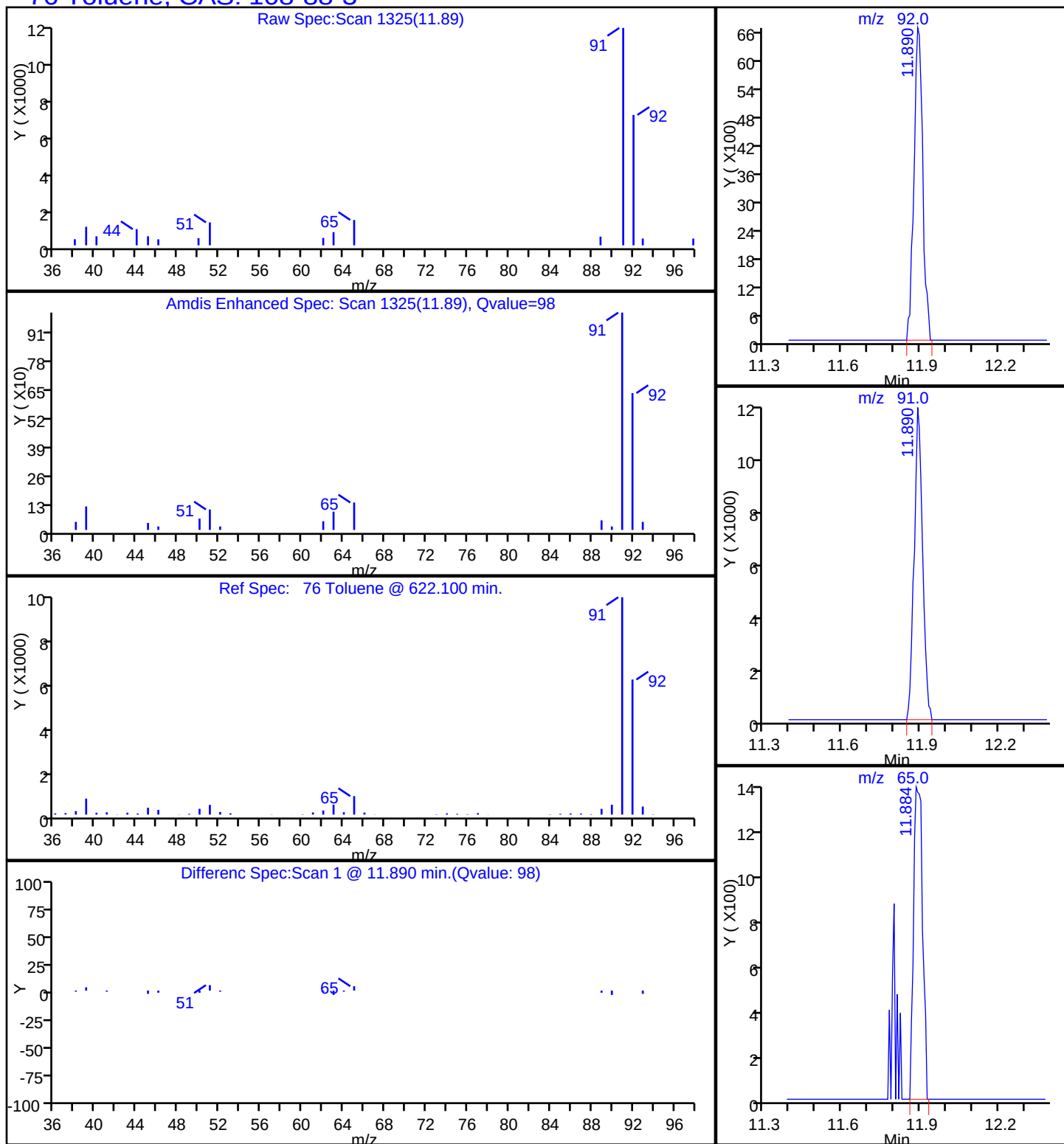
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

76 Toluene, CAS: 108-88-3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-16A</u>	Lab Sample ID: <u>480-106799-11</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0835.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 09:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 07:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323329</u>	Units: <u>ug/L</u>

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)	1.0	U *	1.0	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	1.0	U	1.0	3.0
71-43-2	Benzene	1.4		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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: 4009-16A Lab Sample ID: 480-106799-11
 Matrix: Water Lab File ID: P0835.D
 Analysis Method: 8260C Date Collected: 09/29/2016 09:10
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 07:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323329 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)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123
2037-26-5	Toluene-d8 (Surr)	90		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0835.D
 Lims ID: 480-106799-A-11
 Client ID: 4009-16A
 Sample Type: Client
 Inject. Date: 01-Oct-2016 07:12:30 ALS Bottle#: 23 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-8 MS
 Misc. Info.: 480-0056891-023
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:25:22 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 10:29:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.821	0.006	98	126823	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.763	0.001	86	257813	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.750	0.001	96	304349	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.012	0.006	93	153683	24.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	92127	22.7	
\$ 5 Toluene-d8 (Surr)	98	11.799	11.798	0.001	93	517405	22.6	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.272	0.006	89	199056	25.4	
10 Dichlorodifluoromethane	85		3.987				ND	
11 Chloromethane	50		4.291				ND	
17 Vinyl chloride	62		4.529				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43		6.323				ND	
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83	8.812	8.805	0.007	95	4719	0.3106	
52 1,1,1-Trichloroethane	97	9.073	9.067	0.006	75	3961	0.2895	
54 Cyclohexane	56		9.134				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.529	9.523	0.006	98	49339	1.43	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		14.999				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO835.D

Injection Date: 01-Oct-2016 07:12:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-11

Lab Sample ID: 480-106799-11

Worklist Smp#: 25

Client ID: 4009-16A

Purge Vol: 5.000 mL

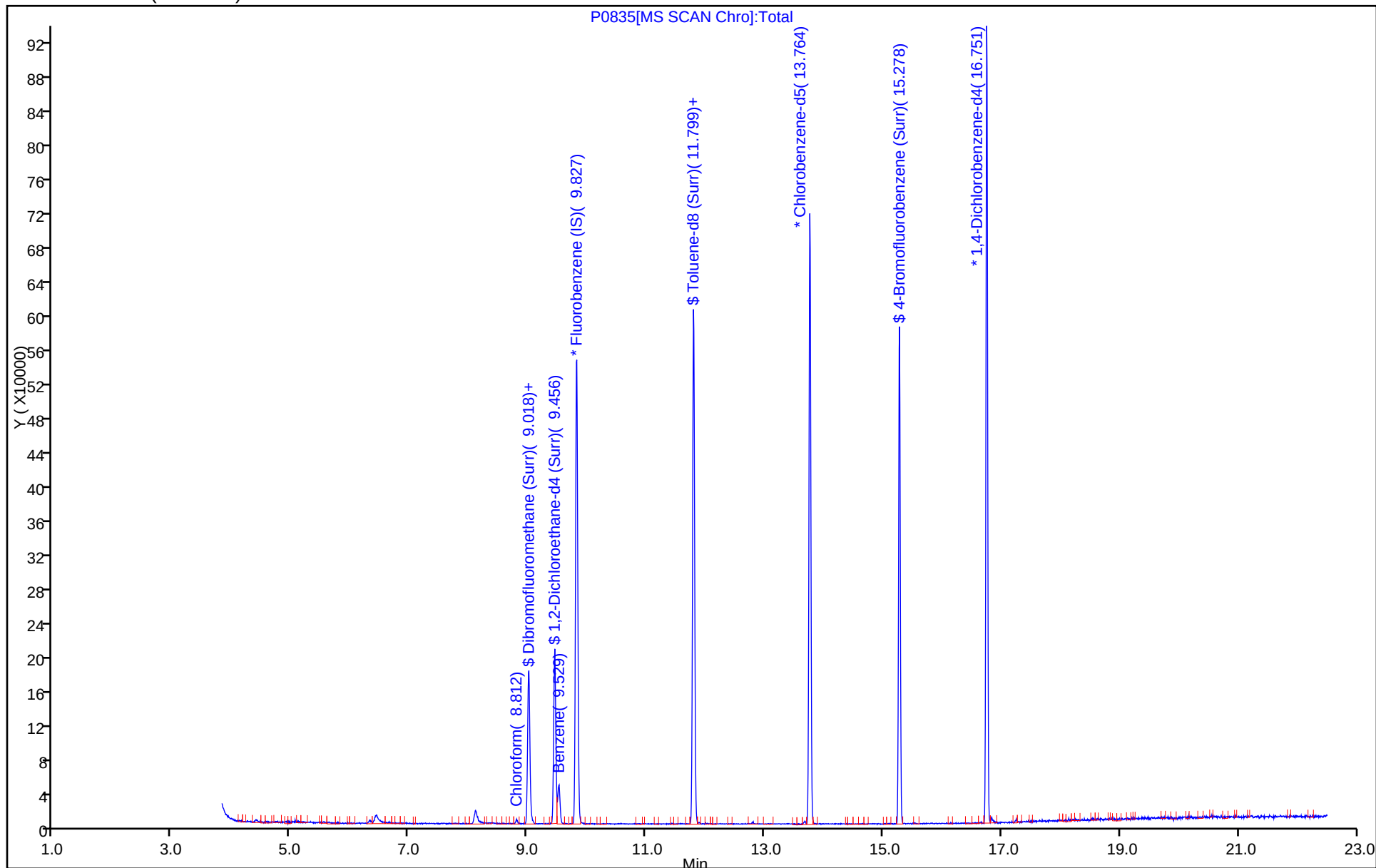
Dil. Factor: 1.0000

ALS Bottle#: 23

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0835.D

Injection Date: 01-Oct-2016 07:12:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-11

Lab Sample ID: 480-106799-11

Client ID: 4009-16A

Operator ID: SY

ALS Bottle#: 23

Worklist Smp#: 25

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

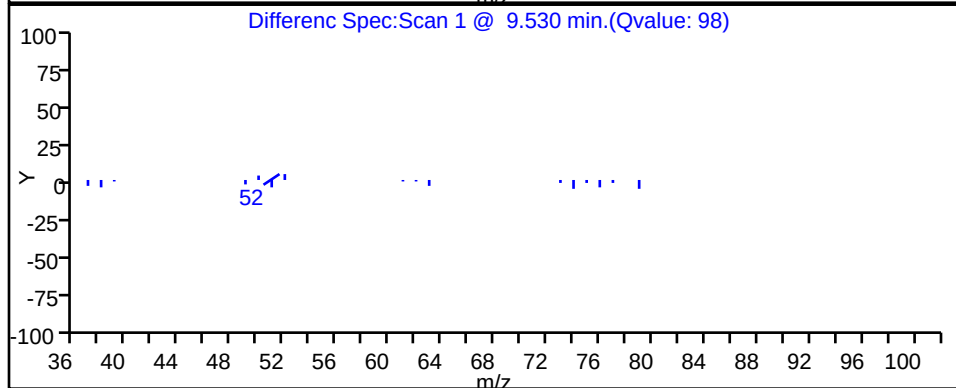
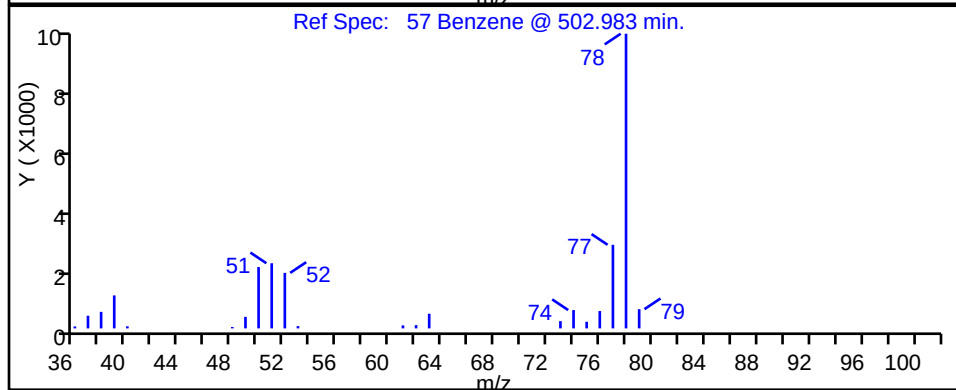
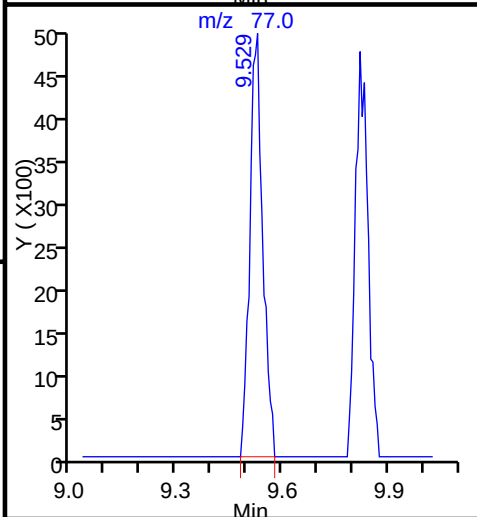
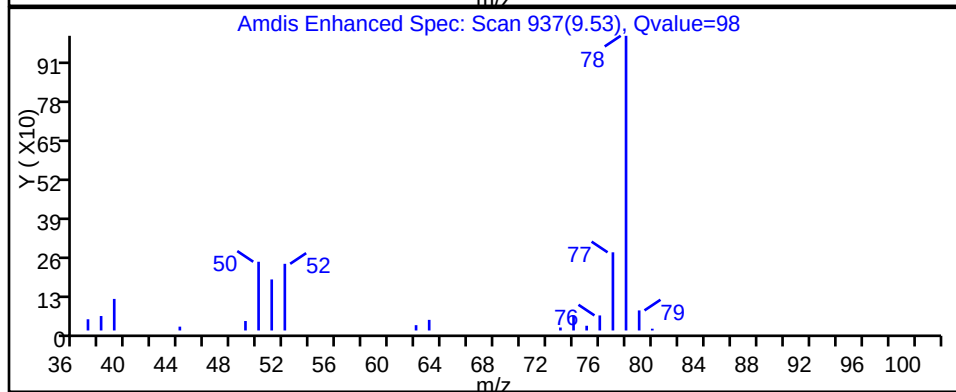
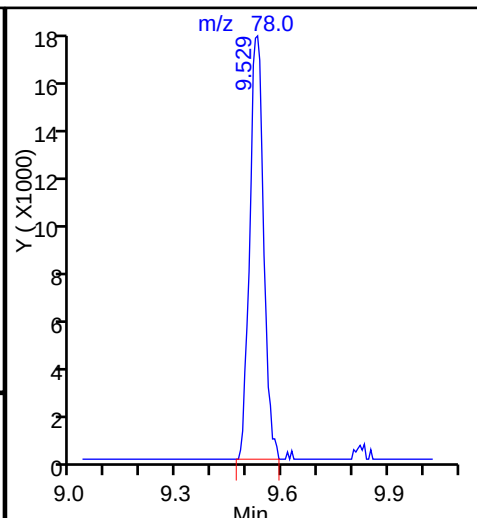
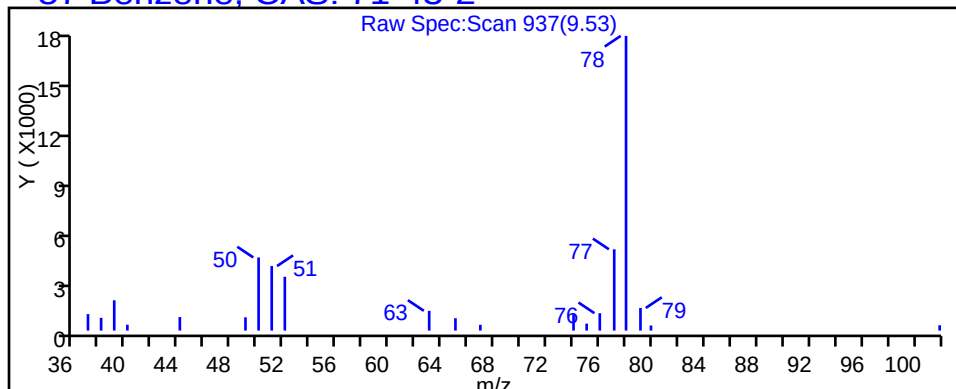
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-18</u>	Lab Sample ID: <u>480-106799-12</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0844.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 08:35</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 12:46</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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	0.47	J	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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-18</u>	Lab Sample ID: <u>480-106799-12</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0844.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 08:35</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 12:46</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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)	90		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123
2037-26-5	Toluene-d8 (Surr)	88		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0844.D
 Lims ID: 480-106799-A-12
 Client ID: 4009-18
 Sample Type: Client
 Inject. Date: 01-Oct-2016 12:46:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-12
 Misc. Info.: 480-0056898-008
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 18:10:33 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 18:10:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.821	9.827	-0.006	98	132672	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.763	0.001	86	268581	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.750	0.001	96	304655	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.006	9.018	-0.012	92	154434	23.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.450	9.456	-0.006	0	95603	22.5	
\$ 5 Toluene-d8 (Surr)	98	11.792	11.798	-0.006	92	526522	22.1	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	89	207921	25.4	
10 Dichlorodifluoromethane	85		3.993				ND	
11 Chloromethane	50		4.304				ND	
17 Vinyl chloride	62		4.535				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43	6.329	6.329	0.000	73	11483	2.11	7
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.913				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.236				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97	9.073	9.073	0.000	94	10894	0.7612	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.517	9.523	-0.006	92	16863	0.4666	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	10.509	10.509	-0.006	1	1409	0.0881	7
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92	11.878	11.878	-0.012	46	5407	0.2304	
78 trans-1,3-Dichloropropene	75		12.151				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91	13.867	13.867	0.000	1	2433	0.0572	7
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105	15.716	15.716	-0.013	1	1781	0.0440	7
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146	16.684	16.684	0.006	1	1572	0.0631	7
111 1,4-Dichlorobenzene	146	16.787	16.787	0.006	1	2009	0.0806	7
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146	17.268	17.268	0.000	0	1419	0.0567	7
117 1,2-Dibromo-3-Chloropropan	75		18.241				ND	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	1	1895	0.1015	7
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0844.D

Injection Date: 01-Oct-2016 12:46:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: 480-106799-A-12

Lab Sample ID: 480-106799-12

Worklist Smp#: 8

Client ID: 4009-18

Purge Vol: 5.000 mL

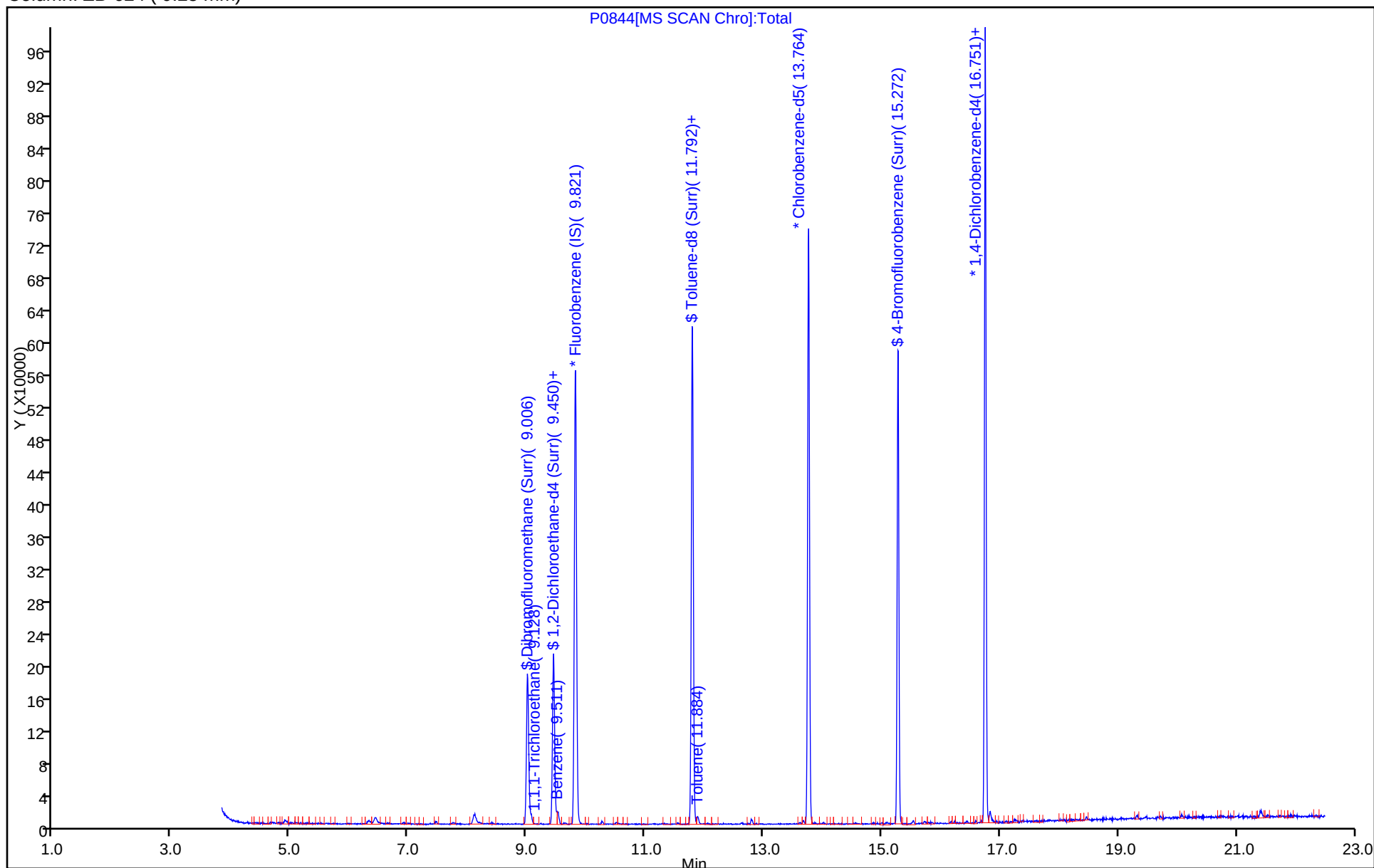
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: P-8260H2O

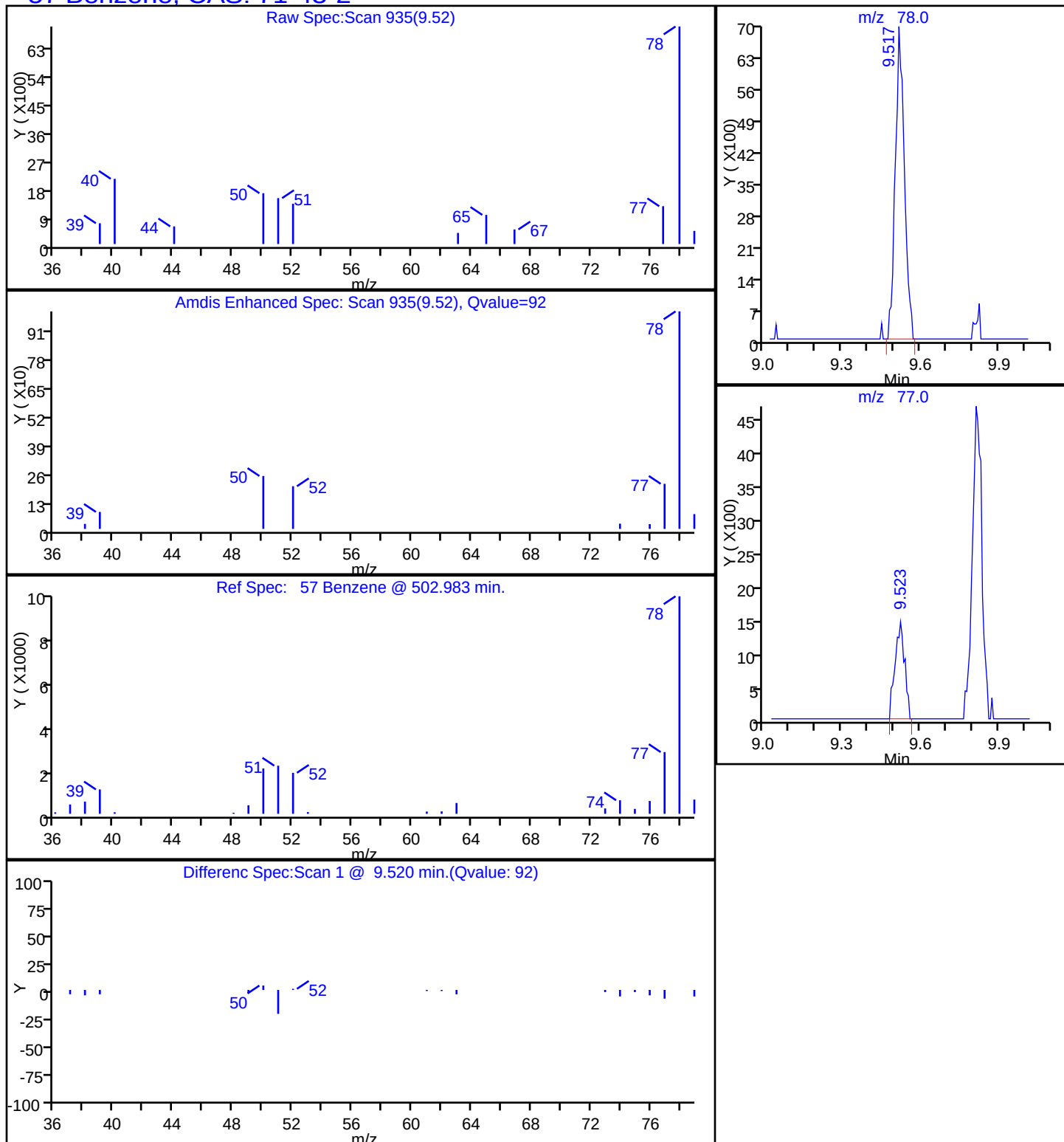
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO844.D
Injection Date: 01-Oct-2016 12:46:30 Instrument ID: HP5973P
Lims ID: 480-106799-A-12 Lab Sample ID: 480-106799-12
Client ID: 4009-18
Operator ID: gtg ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

57 Benzene, CAS: 71-43-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-19</u>	Lab Sample ID: <u>480-106799-13</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0845.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 08:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 13:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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)	1.0	U *	1.0	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	1.0	U	1.0	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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: 4009-19 Lab Sample ID: 480-106799-13
 Matrix: Water Lab File ID: P0845.D
 Analysis Method: 8260C Date Collected: 09/29/2016 08:45
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 13:13
 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.: 323358 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)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123
2037-26-5	Toluene-d8 (Surr)	88		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0845.D
 Lims ID: 480-106799-A-13
 Client ID: 4009-19
 Sample Type: Client
 Inject. Date: 01-Oct-2016 13:13:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-13
 Misc. Info.: 480-0056898-009
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 18:12:13 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 18:12:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.827	0.000	98	131147	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.763	0.001	86	268549	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.750	0.001	96	309288	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	156258	24.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	97331	23.2	
\$ 5 Toluene-d8 (Surr)	98	11.799	11.798	0.001	93	525053	22.0	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	89	210090	25.7	
10 Dichlorodifluoromethane	85		3.993				ND	
11 Chloromethane	50		4.304				ND	
17 Vinyl chloride	62		4.535				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43	6.342	6.342	0.013	65	6034	1.12	7
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.913				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.236				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.073				ND	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78		9.523				ND	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.515				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.151				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91	13.879	13.879	0.012	1	1211	0.0285	7
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.241				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO845.D

Injection Date: 01-Oct-2016 13:13:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: 480-106799-A-13

Lab Sample ID: 480-106799-13

Worklist Smp#: 9

Client ID: 4009-19

Purge Vol: 5.000 mL

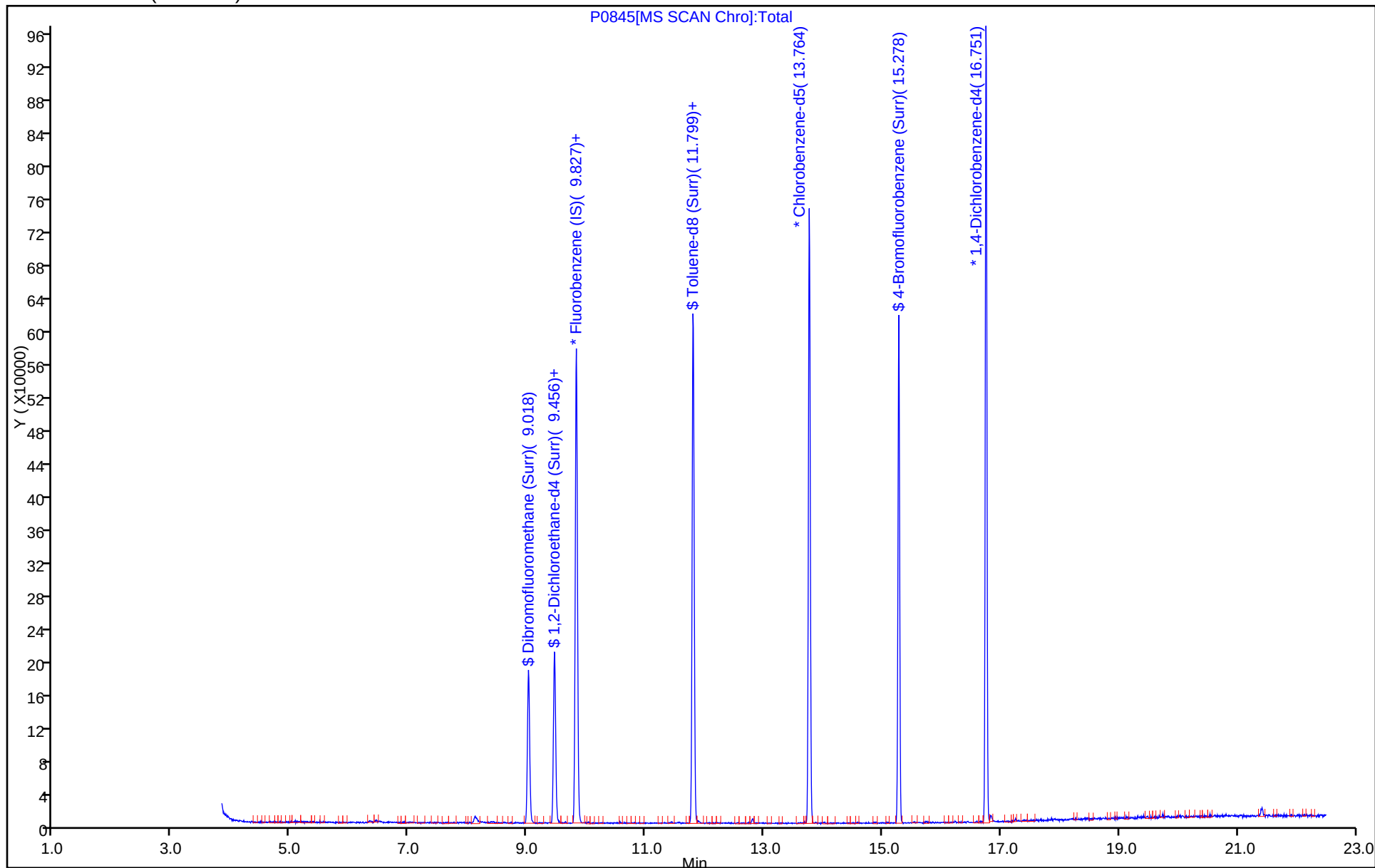
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-21</u>	Lab Sample ID: <u>480-106799-14</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0846.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 08:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 13:40</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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	21		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.: 480-106799-1

SDG No.: _____

Client Sample ID: 4009-21 Lab Sample ID: 480-106799-14

Matrix: Water Lab File ID: P0846.D

Analysis Method: 8260C Date Collected: 09/29/2016 08:40

Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 13:40

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.: 323358 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)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	91		75-123
2037-26-5	Toluene-d8 (Surr)	87		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0846.D
 Lims ID: 480-106799-A-14
 Client ID: 4009-21
 Sample Type: Client
 Inject. Date: 01-Oct-2016 13:40:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-14
 Misc. Info.: 480-0056898-010
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 18:13:37 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 18:13:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.827	0.000	98	134087	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	268855	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	308726	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	92	150833	22.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	95902	22.3	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	92	518932	21.7	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	205010	25.1	
10 Dichlorodifluoromethane	85		3.993				ND	
11 Chloromethane	50		4.304				ND	
17 Vinyl chloride	62		4.535				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43	6.341	6.341	0.012	77	13863	2.52	7
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.913				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.236				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.073				ND	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.529	9.523	0.006	98	766937	21.0	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.515				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92	11.896	11.896	0.006	44	2952	0.1256	7
78 trans-1,3-Dichloropropene	75		12.151				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91	13.867	13.867	0.000	1	1879	0.0441	7
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.241				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO846.D

Injection Date: 01-Oct-2016 13:40:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: 480-106799-A-14

Lab Sample ID: 480-106799-14

Worklist Smp#: 10

Client ID: 4009-21

Purge Vol: 5.000 mL

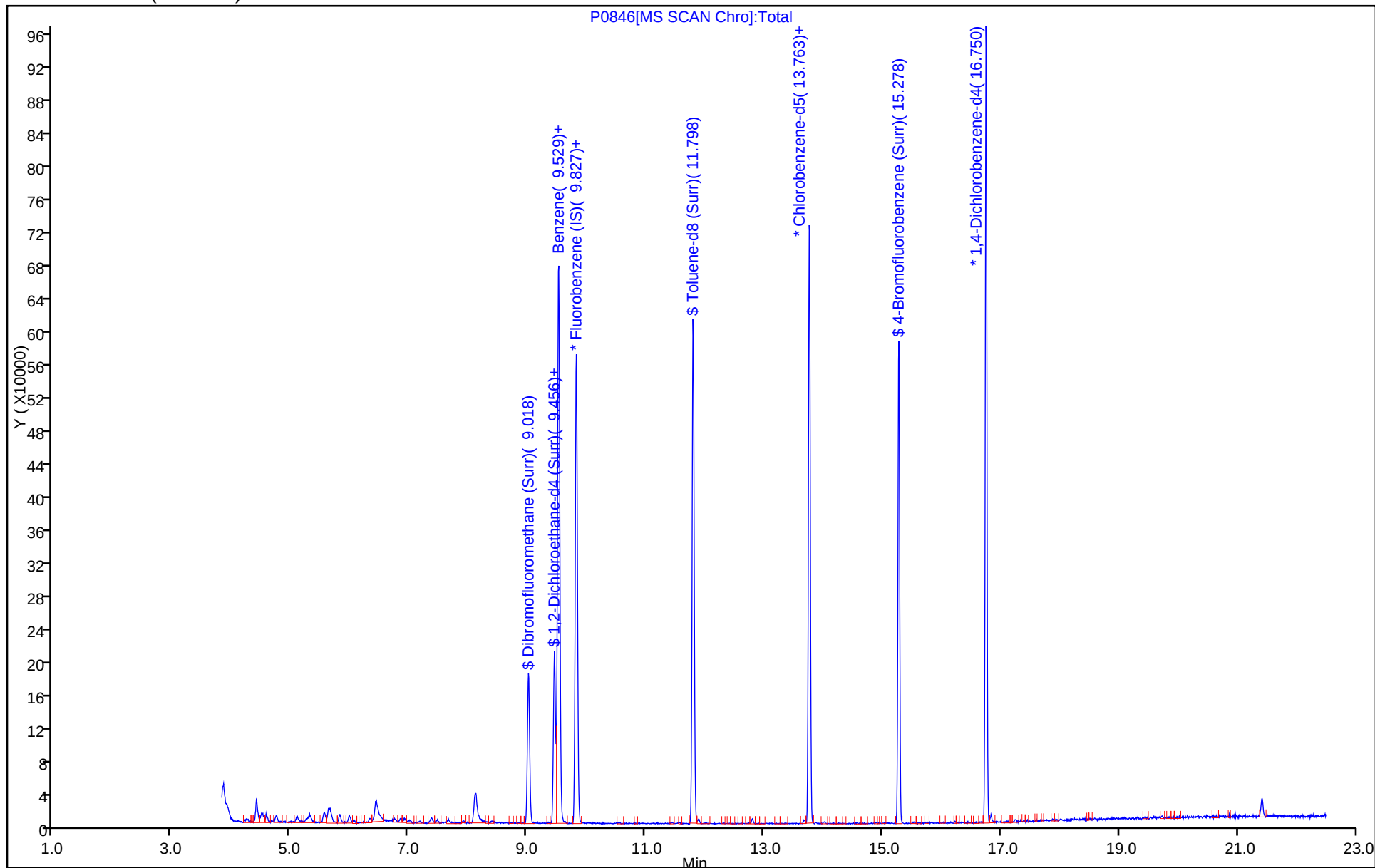
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20161001-56898.b\\P0846.D

Injection Date: 01-Oct-2016 13:40:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-14

Lab Sample ID: 480-106799-14

Client ID: 4009-21

Operator ID: gtg

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

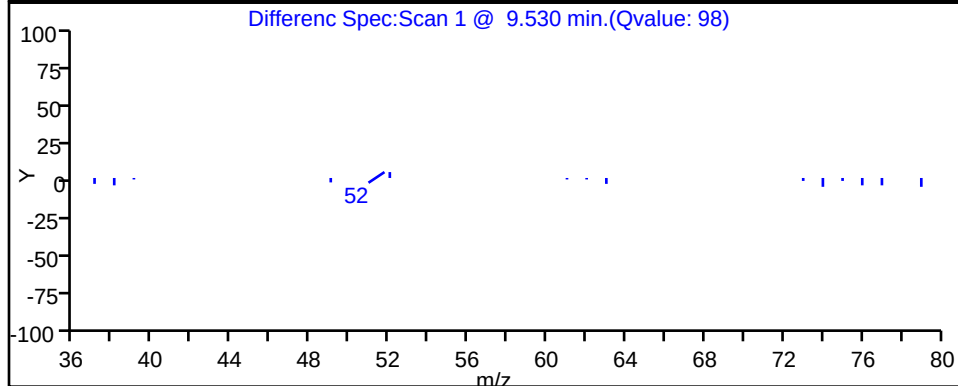
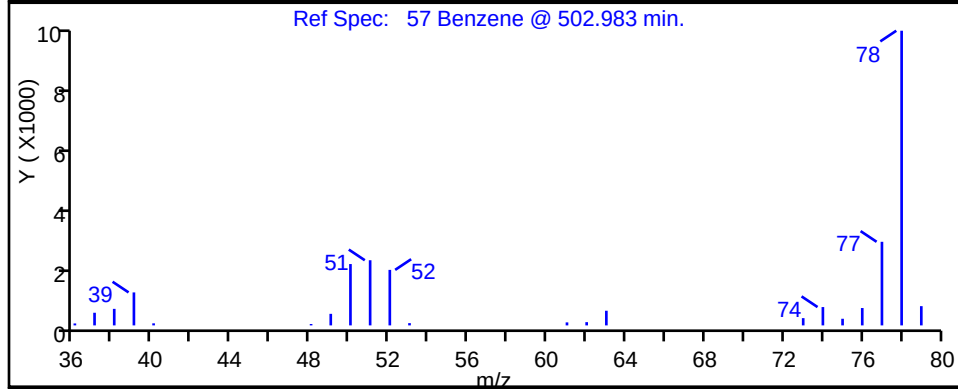
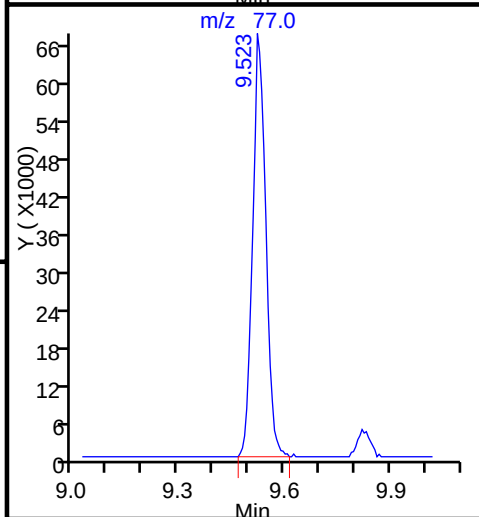
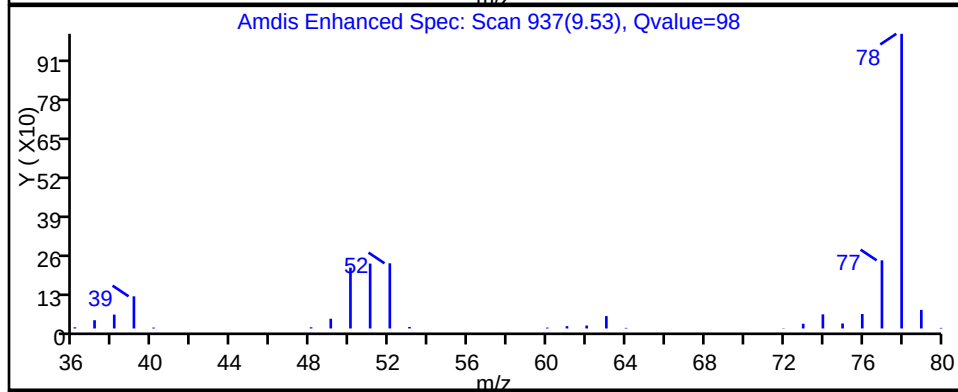
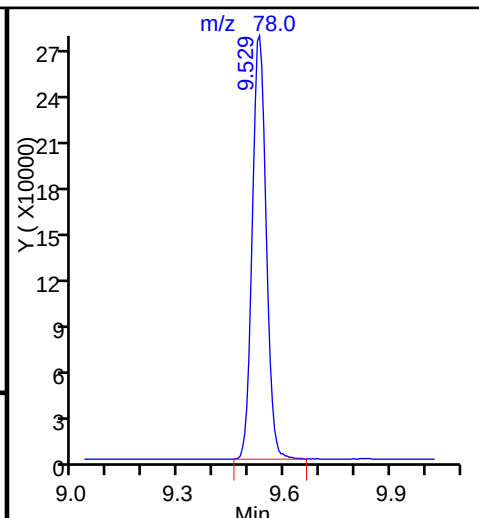
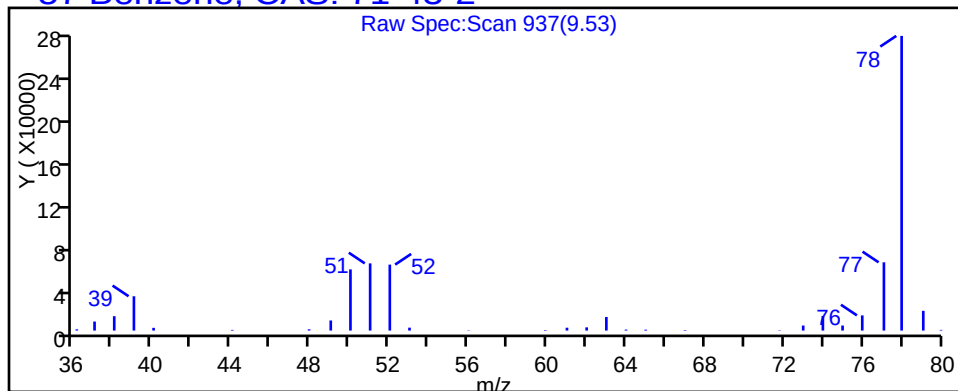
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-22</u>	Lab Sample ID: <u>480-106799-15</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0847.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 08:05</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>10/01/2016 14:07</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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)	1.0	U *	1.0	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	1.0	U	1.0	3.0
71-43-2	Benzene	1.3		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.: 480-106799-1

SDG No.: _____

Client Sample ID: 4009-22 Lab Sample ID: 480-106799-15

Matrix: Water Lab File ID: P0847.D

Analysis Method: 8260C Date Collected: 09/29/2016 08:05

Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 14:07

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 323358 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	0.90	J	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)	90		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123
2037-26-5	Toluene-d8 (Surr)	88		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0847.D
 Lims ID: 480-106799-A-15
 Client ID: 4009-22
 Sample Type: Client
 Inject. Date: 01-Oct-2016 14:07:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-15
 Misc. Info.: 480-0056898-011
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 18:15:01 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 18:15:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.827	0.000	98	131330	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	263337	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.750	0.001	96	312358	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	157009	24.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	94997	22.6	
\$ 5 Toluene-d8 (Surr)	98	11.805	11.798	0.007	93	516305	22.1	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	207551	25.9	
10 Dichlorodifluoromethane	85		3.993				ND	
11 Chloromethane	50		4.304				ND	
17 Vinyl chloride	62		4.535				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43	6.342	6.342	0.013	68	8380	1.55	7
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.913				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.236				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.073				ND	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.529	9.523	0.006	97	45016	1.26	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.515				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92	11.890	11.890	0.000	98	20759	0.9020	
78 trans-1,3-Dichloropropene	75		12.151				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43	12.650	12.650	0.006	75	8523	0.6644	7
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.241				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO847.D

Injection Date: 01-Oct-2016 14:07:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: 480-106799-A-15

Lab Sample ID: 480-106799-15

Worklist Smp#: 11

Client ID: 4009-22

Purge Vol: 5.000 mL

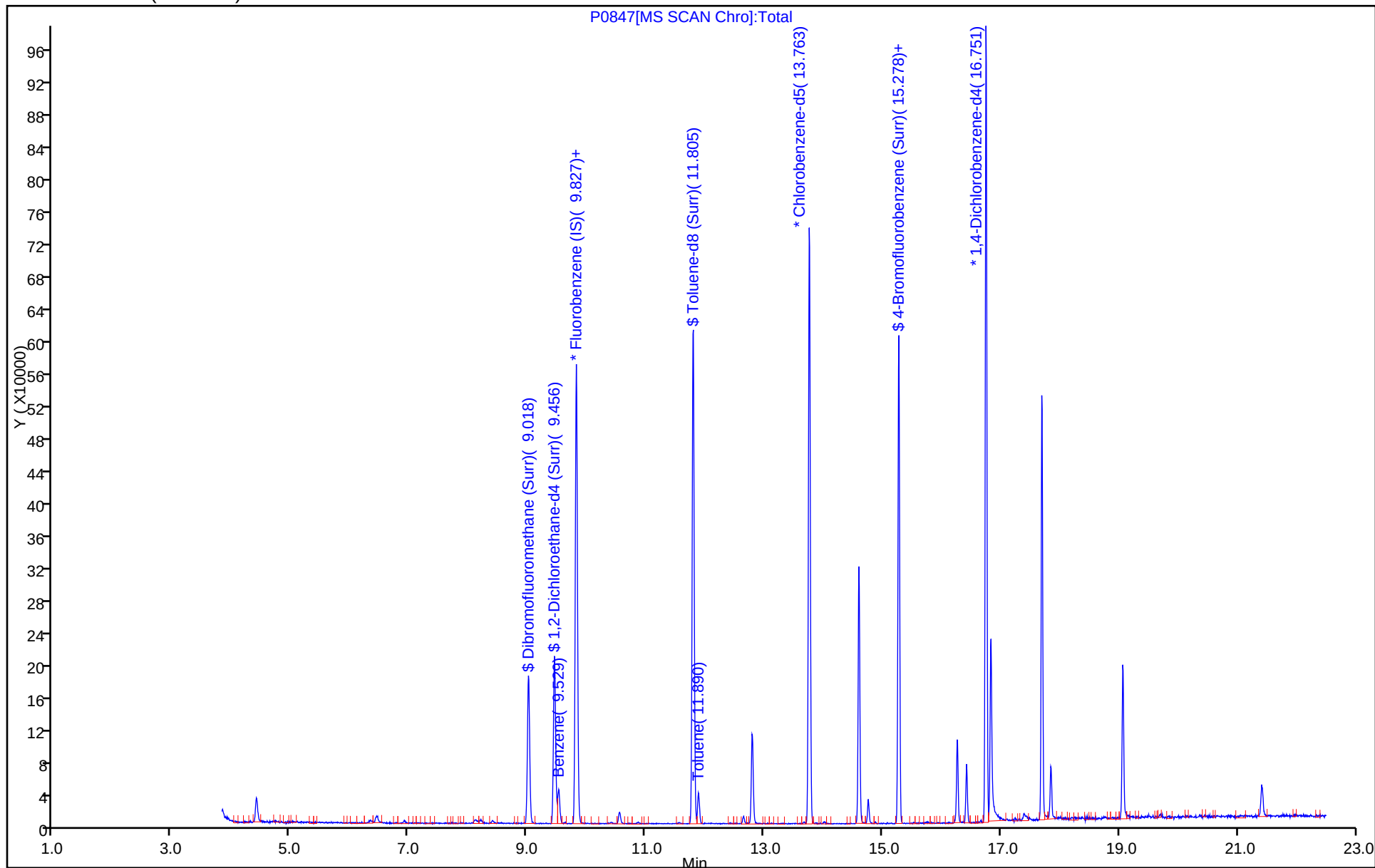
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: P-8260H2O

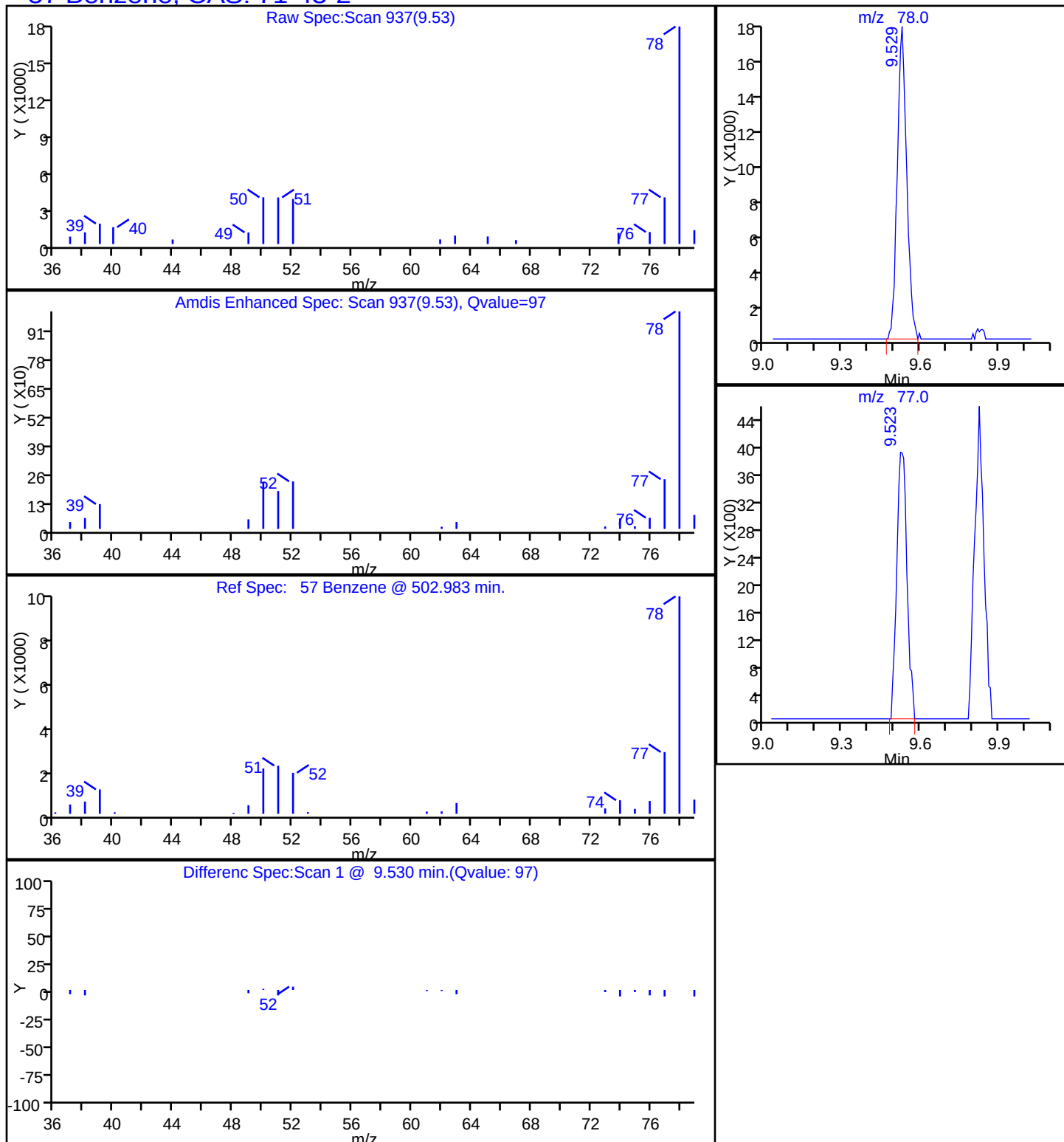
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



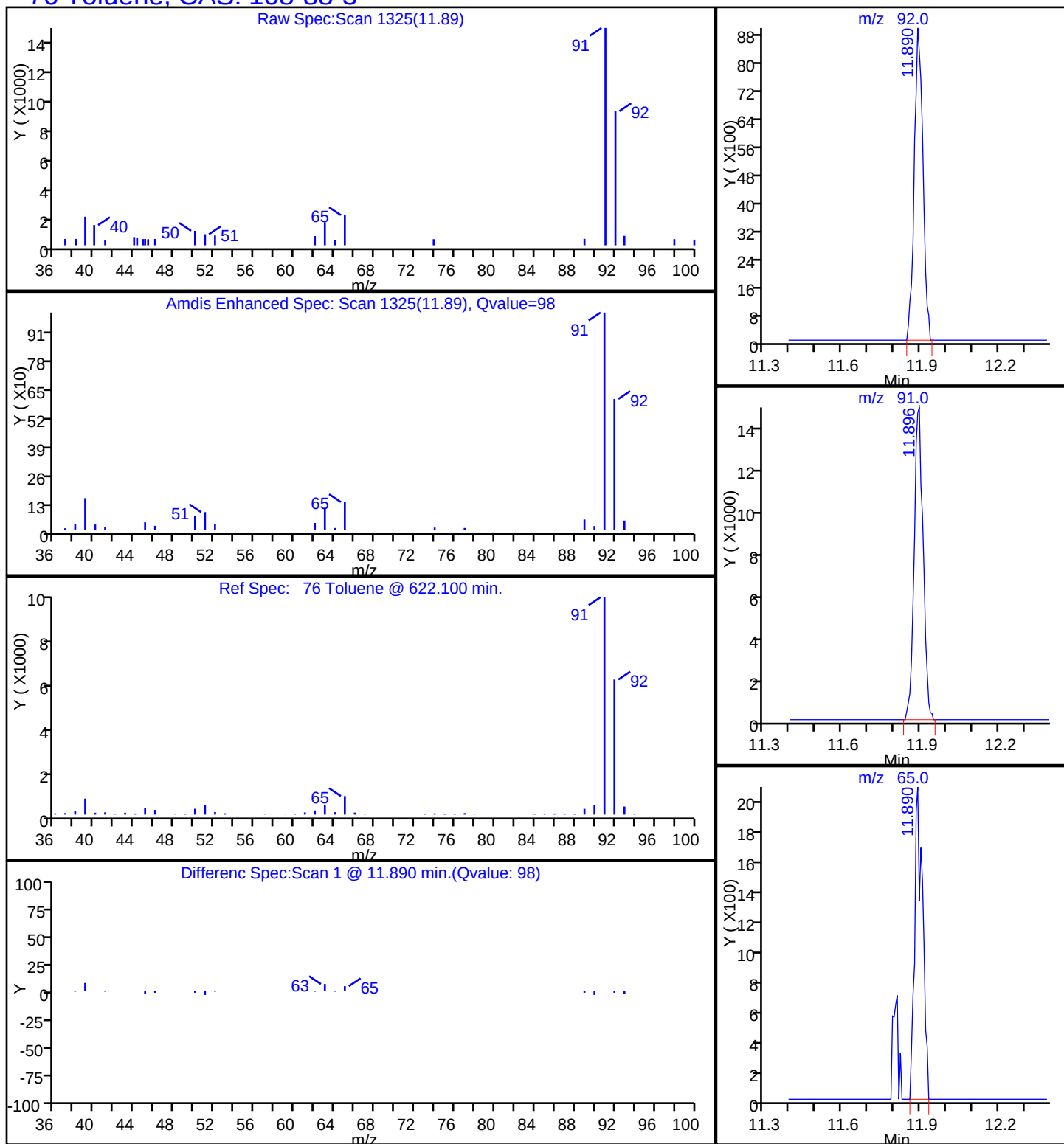
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\0847.D
Injection Date: 01-Oct-2016 14:07:30 Instrument ID: HP5973P
Lims ID: 480-106799-A-15 Lab Sample ID: 480-106799-15
Client ID: 4009-22
Operator ID: gtg ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

57 Benzene, CAS: 71-43-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0847.D
Injection Date: 01-Oct-2016 14:07:30 Instrument ID: HP5973P
Lims ID: 480-106799-A-15 Lab Sample ID: 480-106799-15
Client ID: 4009-22
Operator ID: gtg ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

76 Toluene, CAS: 108-88-3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-27S</u>	Lab Sample ID: <u>480-106799-16</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0848.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 14:34</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	54		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	2.4		1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
75-34-3	1,1-Dichloroethane	2.0		1.0	0.38
75-35-4	1,1-Dichloroethene	4.9		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	20		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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-27S</u>	Lab Sample ID: <u>480-106799-16</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0848.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 14:34</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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	22		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)	90		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123
2037-26-5	Toluene-d8 (Surr)	88		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0848.D
 Lims ID: 480-106799-A-16
 Client ID: 4009-27S
 Sample Type: Client
 Inject. Date: 01-Oct-2016 14:34:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-16
 Misc. Info.: 480-0056898-012
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 18:17:36 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 18:17:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.827	0.000	98	132167	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	267639	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	302441	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.018	-0.006	93	151227	23.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	95495	22.5	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	523161	22.0	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	206892	25.4	
10 Dichlorodifluoromethane	85		3.993				ND	
11 Chloromethane	50		4.304				ND	
17 Vinyl chloride	62		4.535				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.250	6.238	0.012	92	24810	2.43	
25 1,1-Dichloroethene	96	6.293	6.287	0.006	94	43184	4.86	
24 Acetone	43	6.348	6.348	0.019	67	9091	1.68	7
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.913				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.236				ND	
40 1,1-Dichloroethane	63	7.759	7.753	0.006	97	40136	2.04	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96	8.459	8.453	0.006	83	202968	19.9	
49 Chloroform	83	8.817	8.805	0.012	90	3873	0.2446	
52 1,1,1-Trichloroethane	97	9.073	9.073	0.000	98	768845	53.9	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78		9.523				ND	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95	10.278	10.272	0.006	95	209557	21.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.515				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.151				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.241				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO848.D

Injection Date: 01-Oct-2016 14:34:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: 480-106799-A-16

Lab Sample ID: 480-106799-16

Worklist Smp#: 12

Client ID: 4009-27S

Purge Vol: 5.000 mL

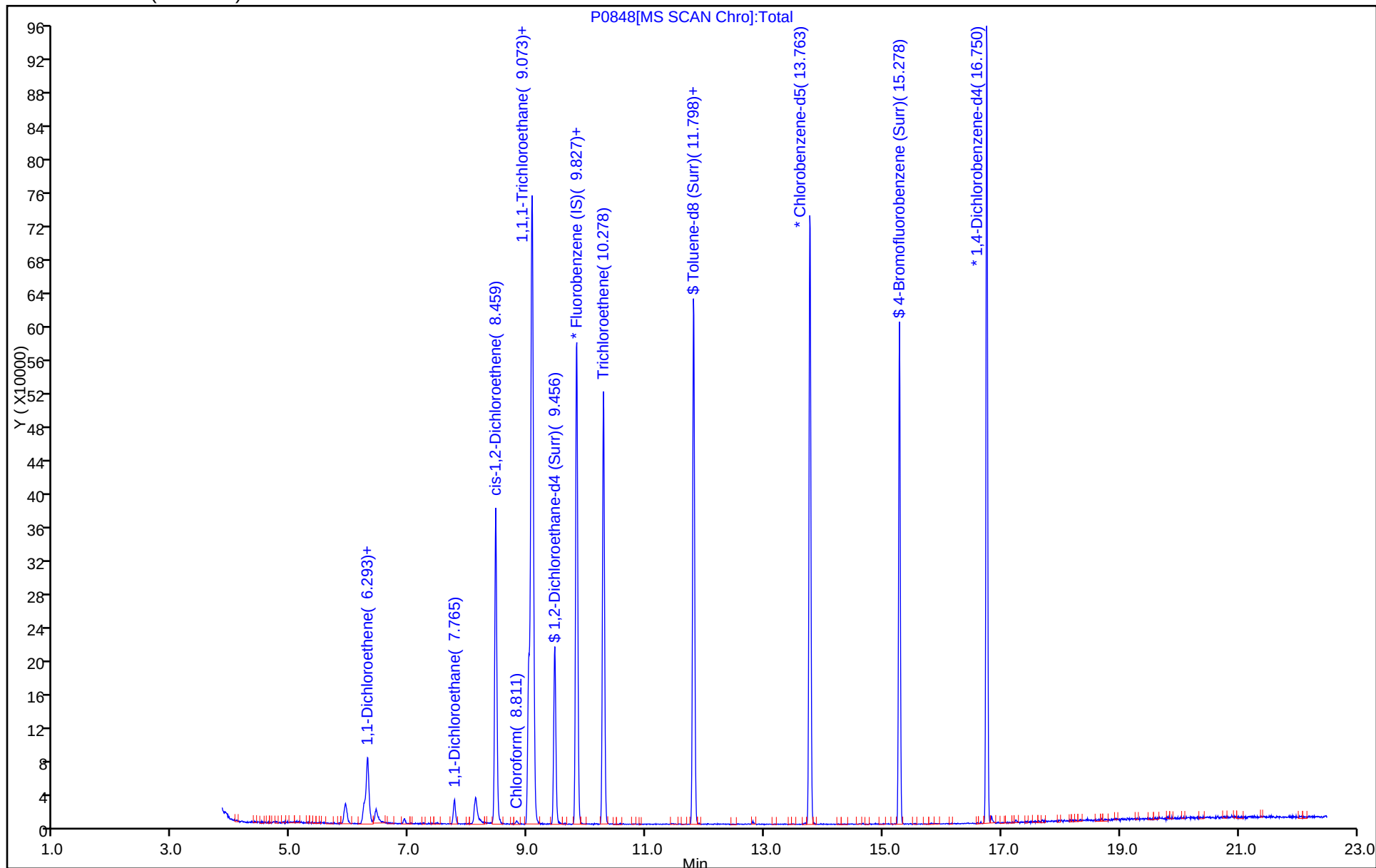
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0848.D

Injection Date: 01-Oct-2016 14:34:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-16

Lab Sample ID: 480-106799-16

Client ID: 4009-27S

Operator ID: gtg

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

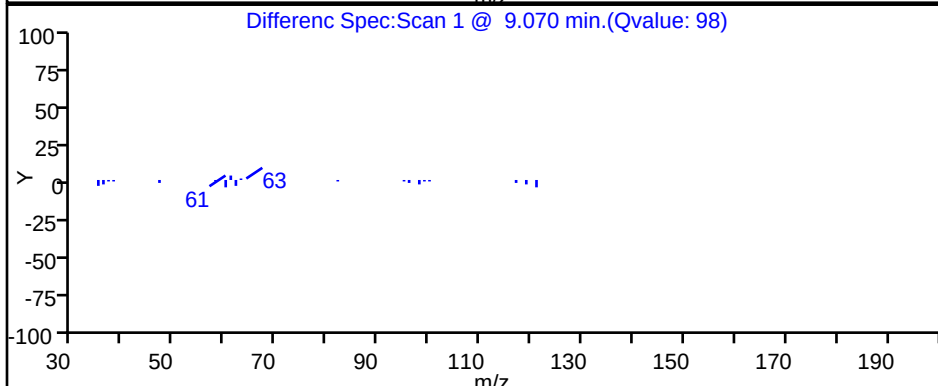
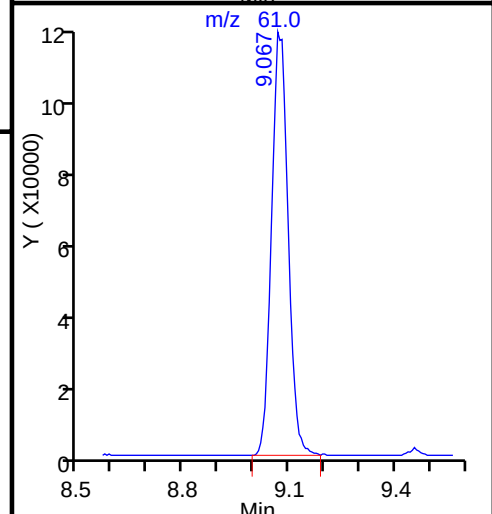
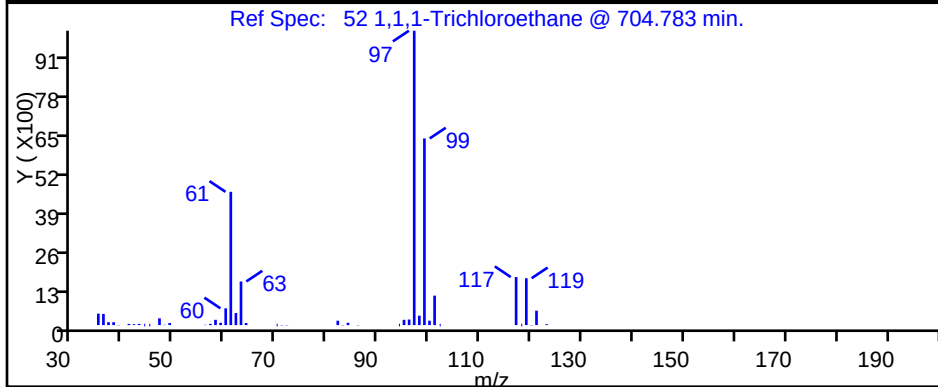
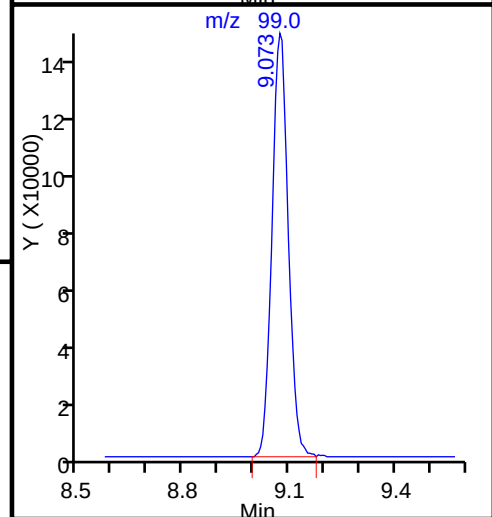
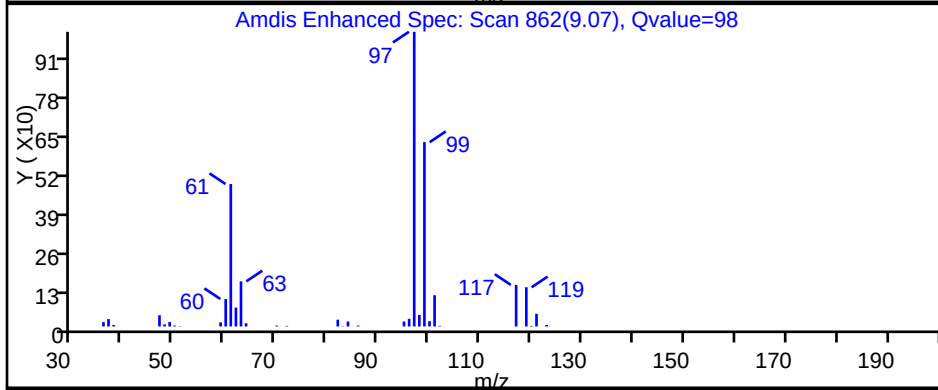
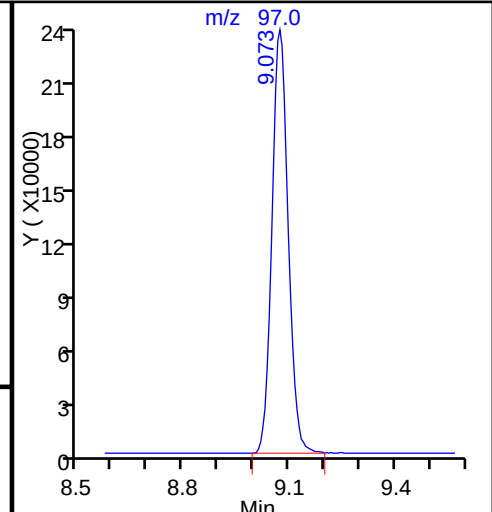
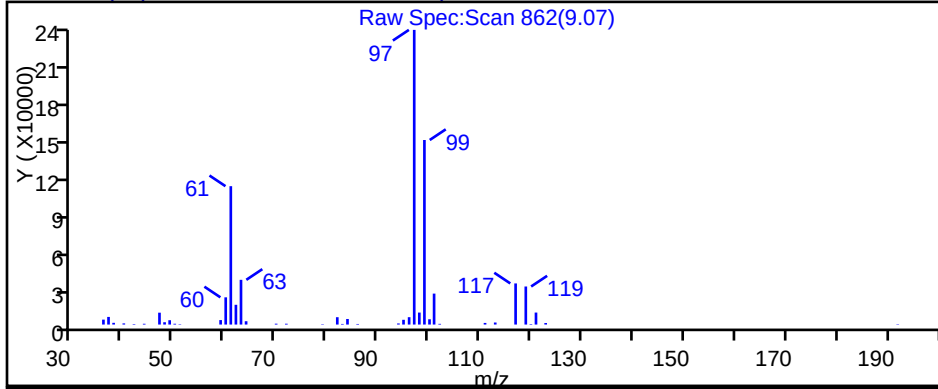
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

52 1,1,1-Trichloroethane, CAS: 71-55-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0848.D

Injection Date: 01-Oct-2016 14:34:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-16

Lab Sample ID: 480-106799-16

Client ID: 4009-27S

Operator ID: gtg

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

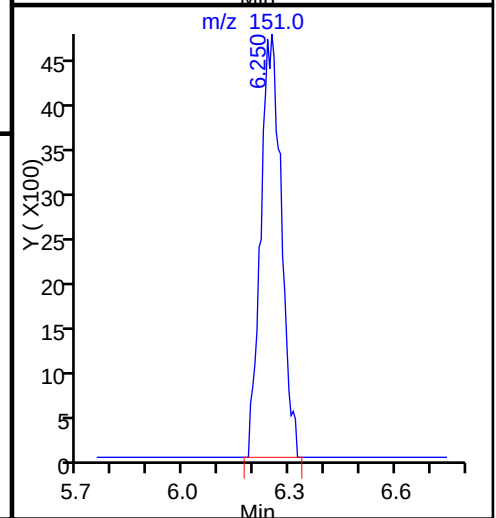
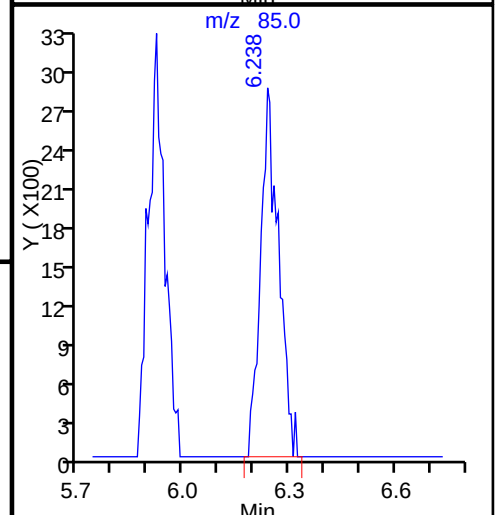
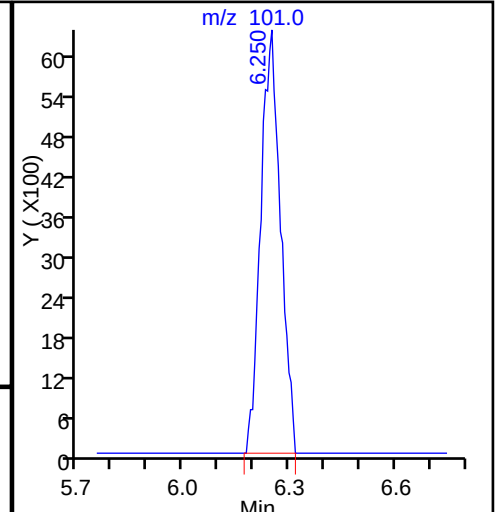
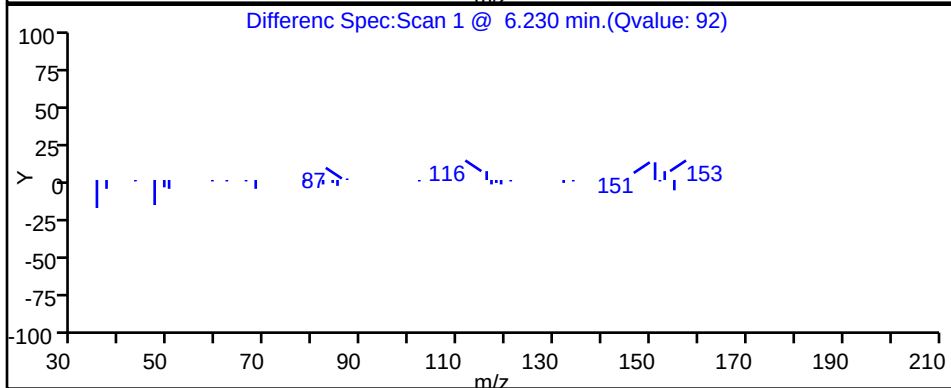
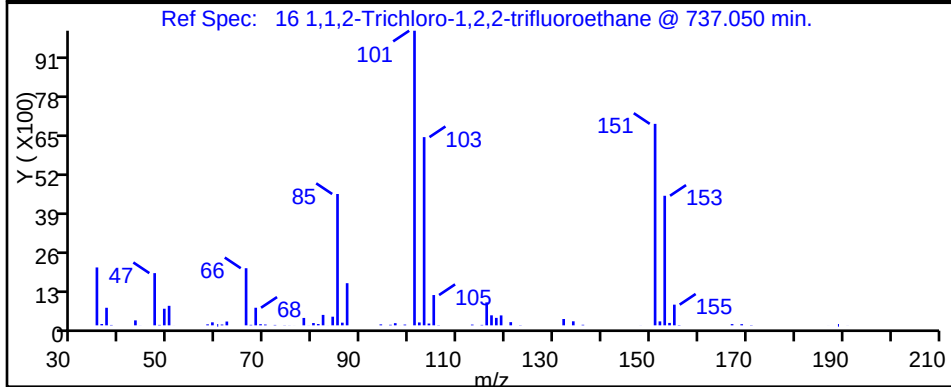
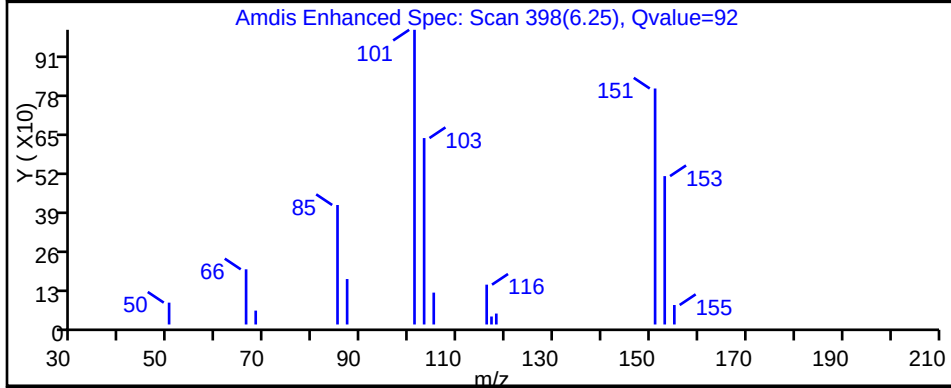
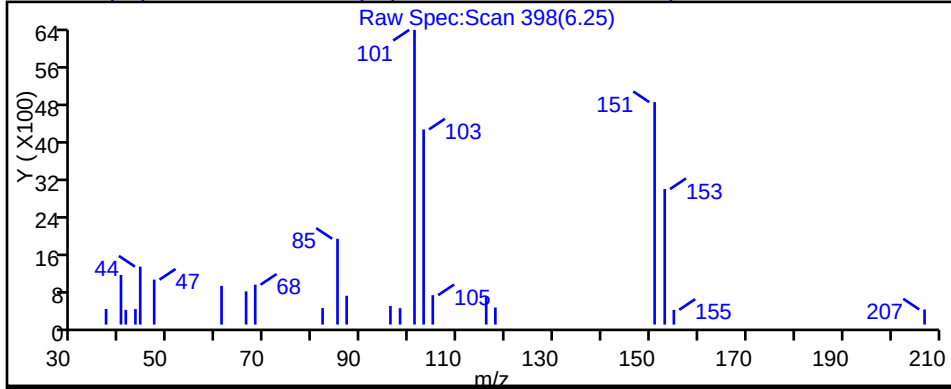
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0848.D

Injection Date: 01-Oct-2016 14:34:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-16

Lab Sample ID: 480-106799-16

Client ID: 4009-27S

Operator ID: gtg

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

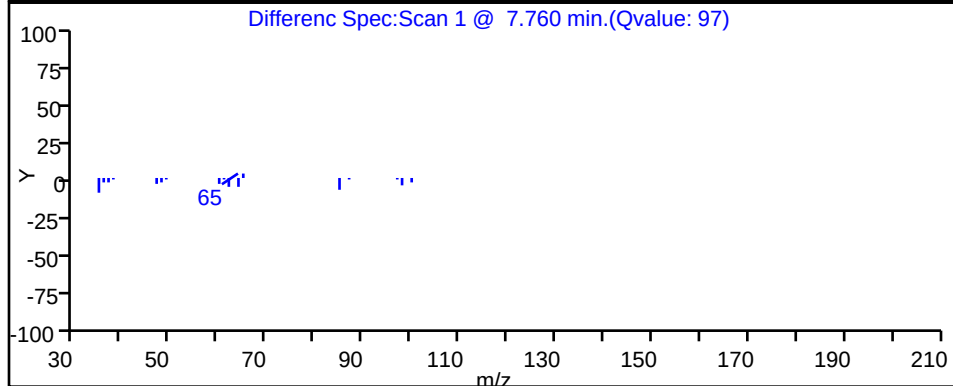
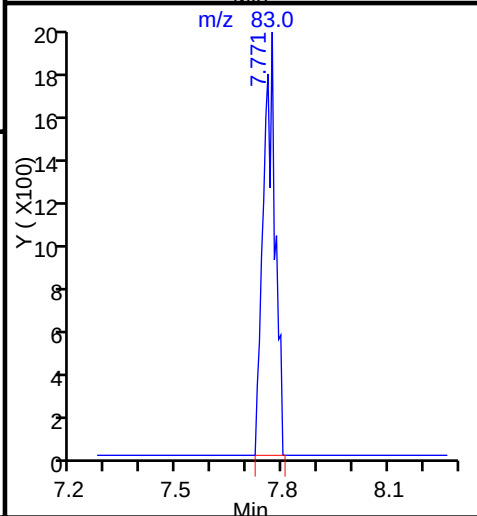
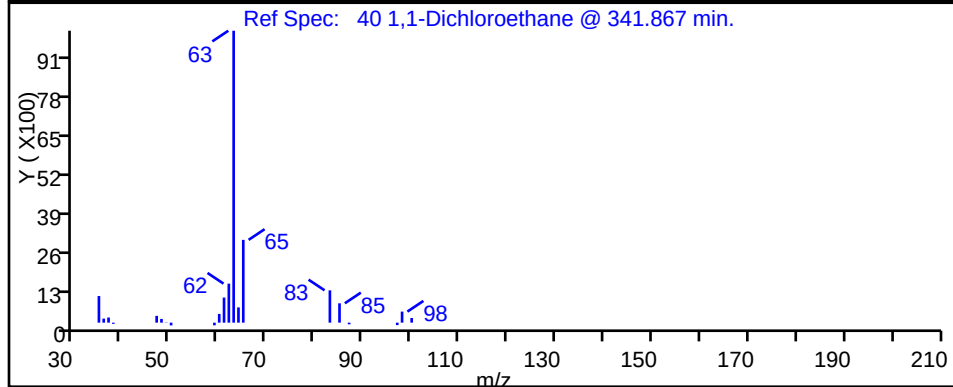
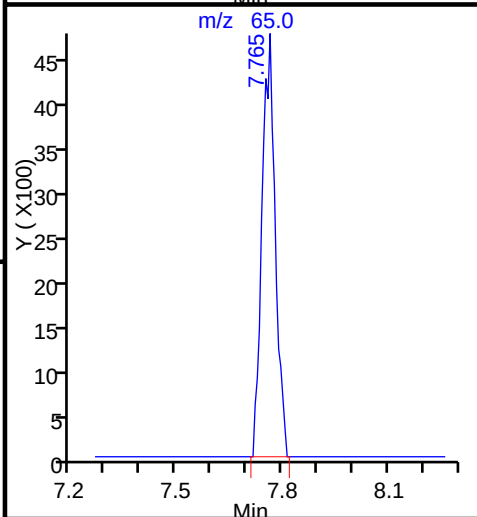
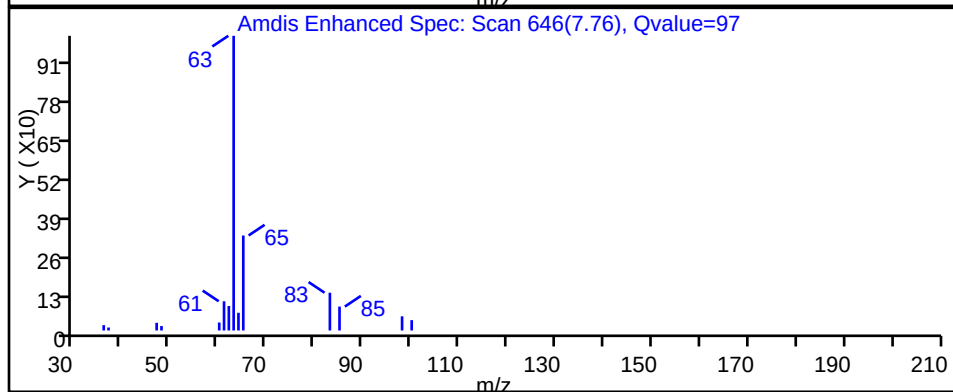
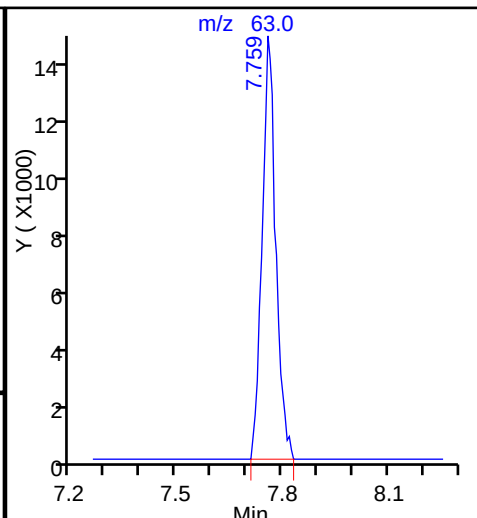
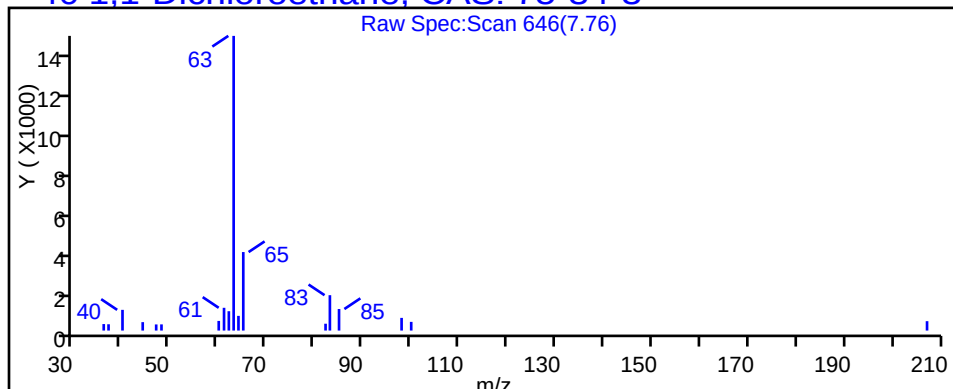
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

40 1,1-Dichloroethane, CAS: 75-34-3



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0848.D

Injection Date: 01-Oct-2016 14:34:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-16

Lab Sample ID: 480-106799-16

Client ID: 4009-27S

Operator ID: gtg

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

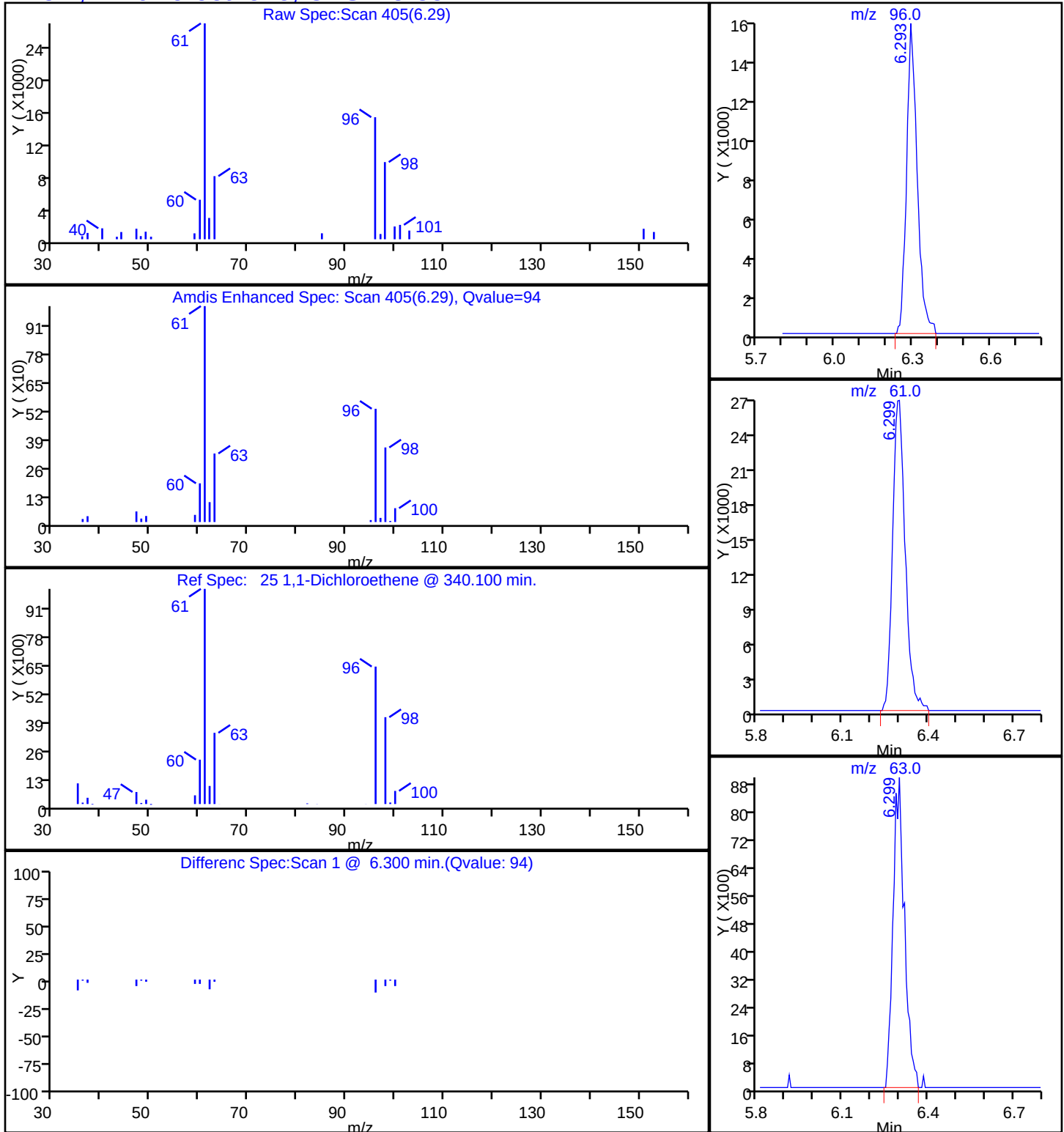
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

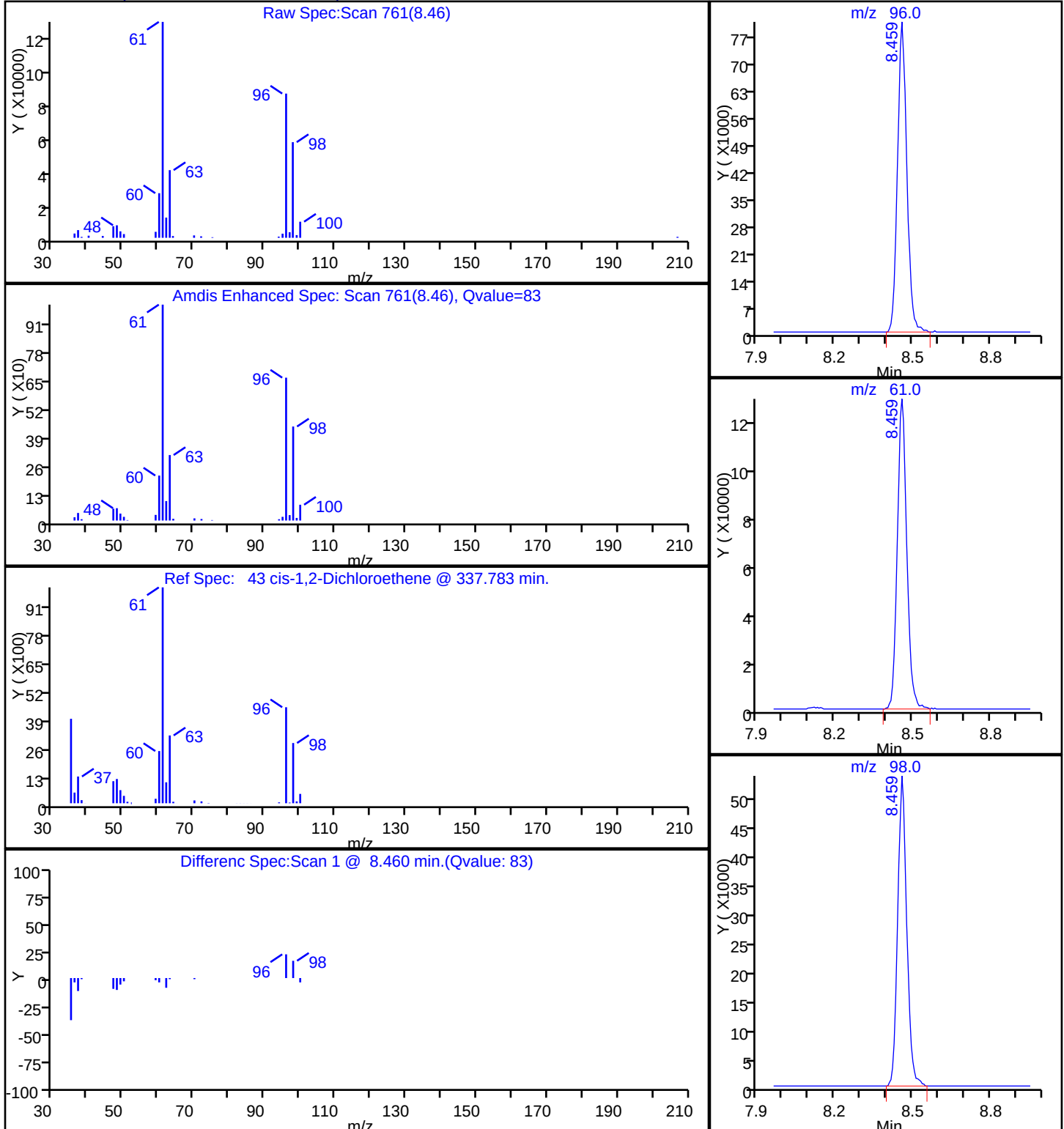
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 1,1-Dichloroethene, CAS: 75-35-4

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO848.D
Injection Date: 01-Oct-2016 14:34:30 Instrument ID: HP5973P
Lims ID: 480-106799-A-16 Lab Sample ID: 480-106799-16
Client ID: 4009-27S
Operator ID: gtg ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO848.D

Injection Date: 01-Oct-2016 14:34:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-16

Lab Sample ID: 480-106799-16

Client ID: 4009-27S

Operator ID: gtg

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

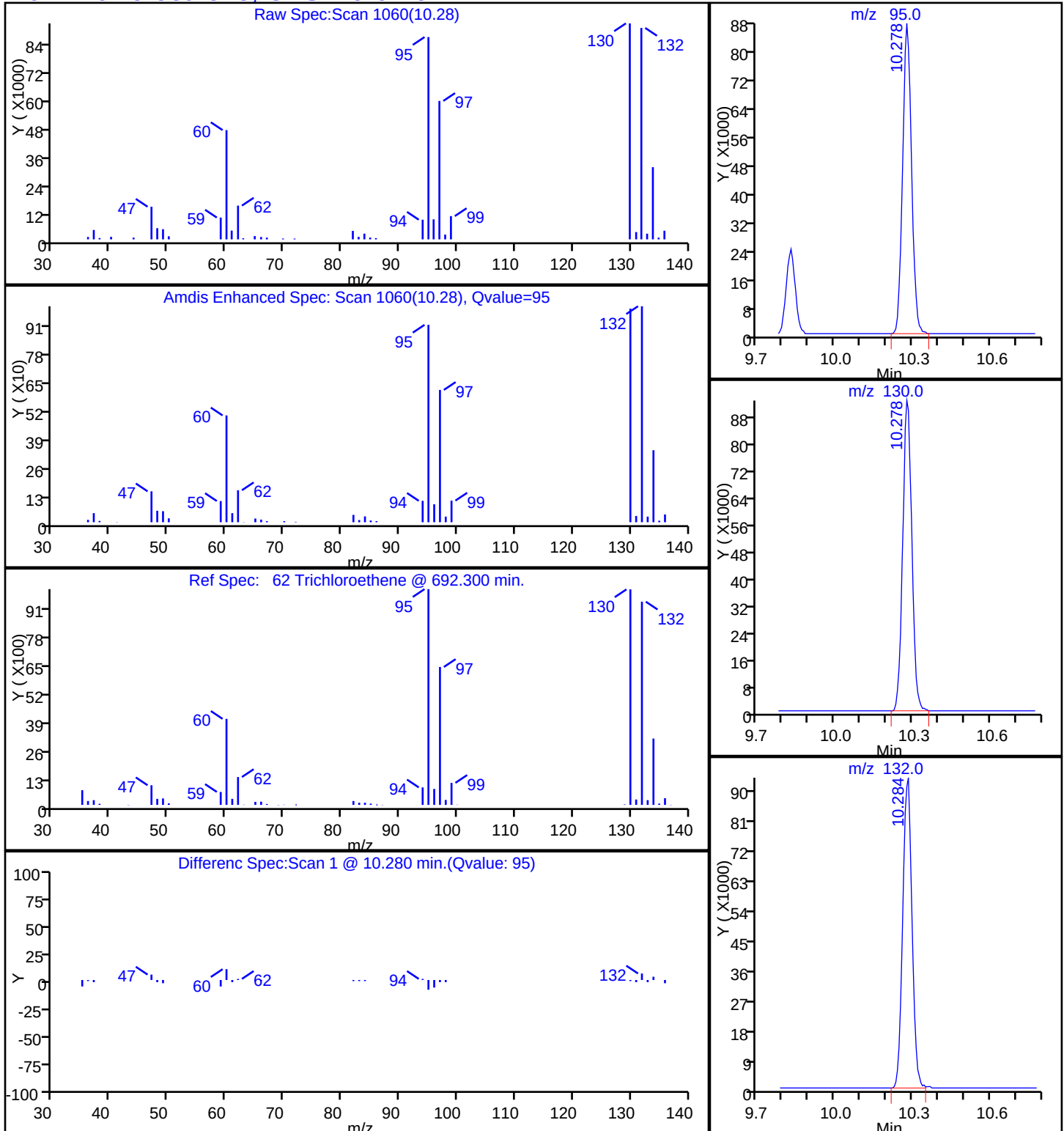
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-27I</u>	Lab Sample ID: <u>480-106799-17</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0904.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:05</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/03/2016 21:27</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323586</u>	Units: <u>ug/L</u>

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)	1.0	U *	1.0	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	1.0	U	1.0	3.0
71-43-2	Benzene	4.6		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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: 4009-27I Lab Sample ID: 480-106799-17
 Matrix: Water Lab File ID: P0904.D
 Analysis Method: 8260C Date Collected: 09/29/2016 10:05
 Sample wt/vol: 5(mL) Date Analyzed: 10/03/2016 21:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323586 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)	88		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123
2037-26-5	Toluene-d8 (Surr)	86		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0904.D
 Lims ID: 480-106799-A-17
 Client ID: 4009-271
 Sample Type: Client
 Inject. Date: 03-Oct-2016 21:27:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-17
 Misc. Info.: 480-0056940-008
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 04-Oct-2016 15:36:09 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: farrellr

Date: 04-Oct-2016 15:36:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.821	9.821	0.000	98	131754	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.764	-0.001	87	275043	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.751	0.000	96	311953	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.018	-0.006	93	153719	23.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.450	9.456	-0.006	0	92850	22.0	
\$ 5 Toluene-d8 (Surr)	98	11.799	11.799	-0.001	93	523669	21.4	
\$ 6 4-Bromofluorobenzene (Surr	174	15.272	15.278	-0.006	90	213685	25.5	
10 Dichlorodifluoromethane	85		3.981				ND	
11 Chloromethane	50		4.297				ND	
17 Vinyl chloride	62		4.529				ND	
12 Bromomethane	94		5.076				ND	
13 Chloroethane	64		5.198				ND	
14 Trichlorofluoromethane	101		5.611				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.244				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43	6.348	6.348	0.025	69	10164	1.88	7
27 Carbon disulfide	76		6.664				ND	
30 Methyl acetate	43		6.700				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.163				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.067				ND	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.523	9.517	0.006	97	165116	4.60	
60 1,2-Dichloroethane	62		9.541				ND	
62 Trichloroethene	95		10.278				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92	11.890	11.890	0.000	98	9661	0.4019	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.015				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91	13.873	13.873	0.006	1	2768	0.0635	7
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.560				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.430				ND	
102 1,3,5-Trimethylbenzene	105		15.728				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146	16.684	16.684	0.006	1	1639	0.0642	7
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146	17.286	17.286	0.012	1	1255	0.0490	7
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180	19.312	19.312	-0.006	1	1985	0.1038	7
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\PO904.D

Injection Date: 03-Oct-2016 21:27:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-17

Lab Sample ID: 480-106799-17

Worklist Smp#: 8

Client ID: 4009-271

Purge Vol: 5.000 mL

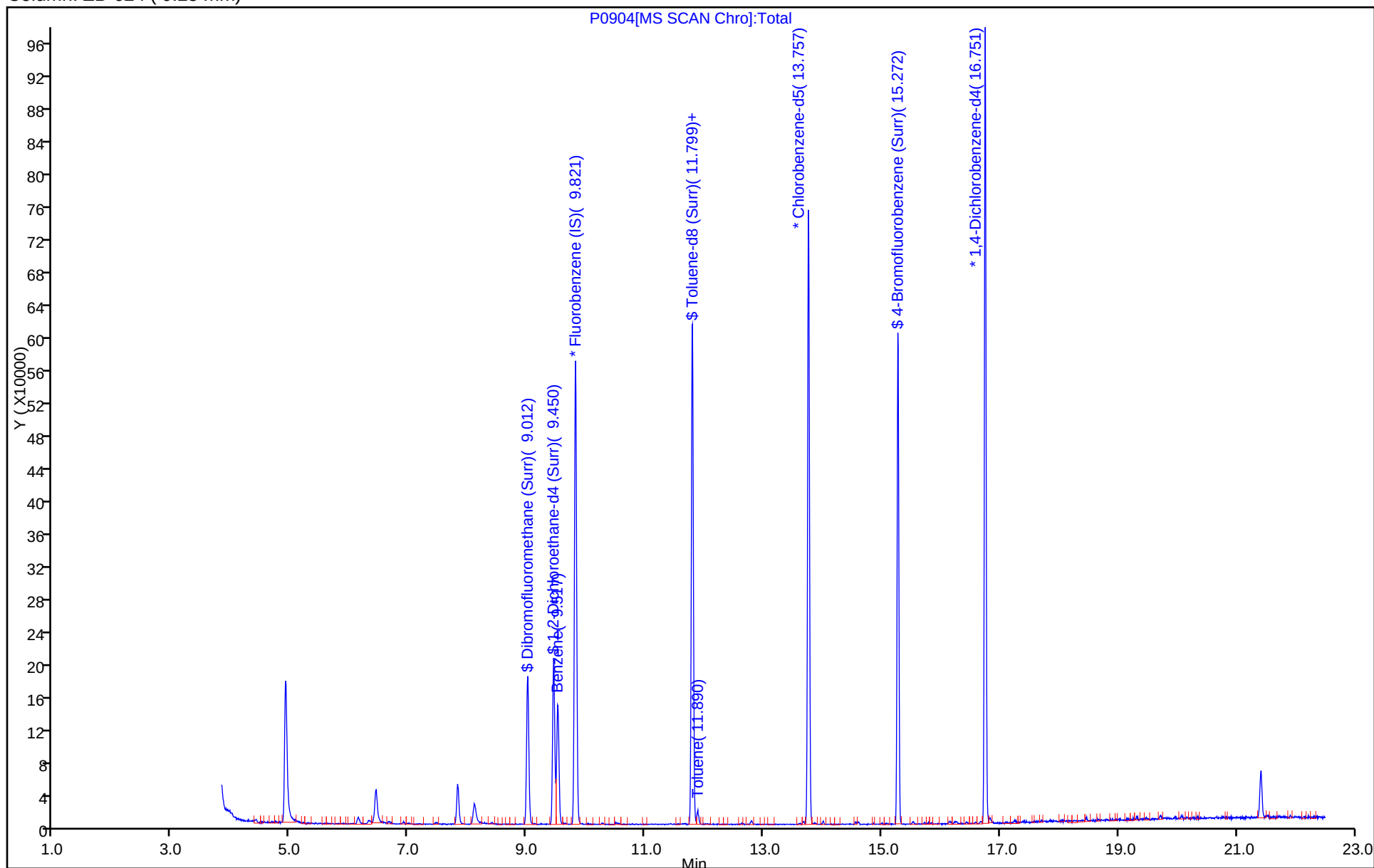
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0904.D

Injection Date: 03-Oct-2016 21:27:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-17

Lab Sample ID: 480-106799-17

Client ID: 4009-271

Operator ID: SY

ALS Bottle#: 8

Worklist Smp#: 8

Purge Vol: 5.000 mL

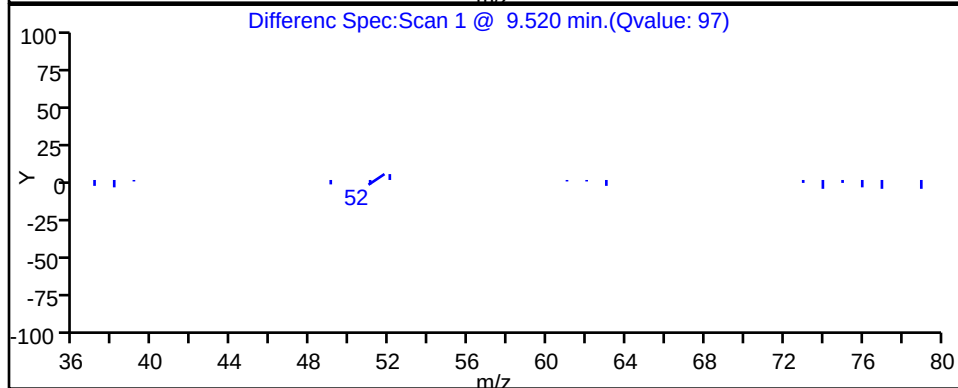
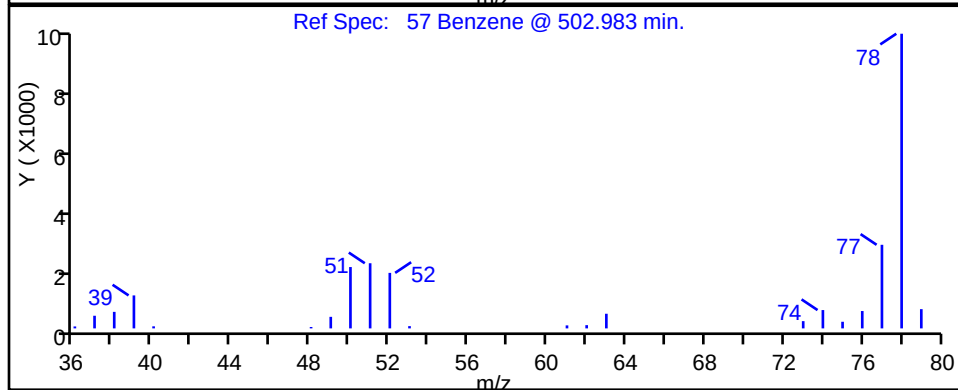
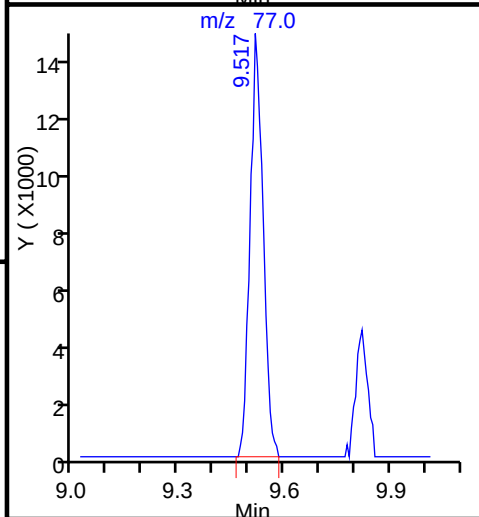
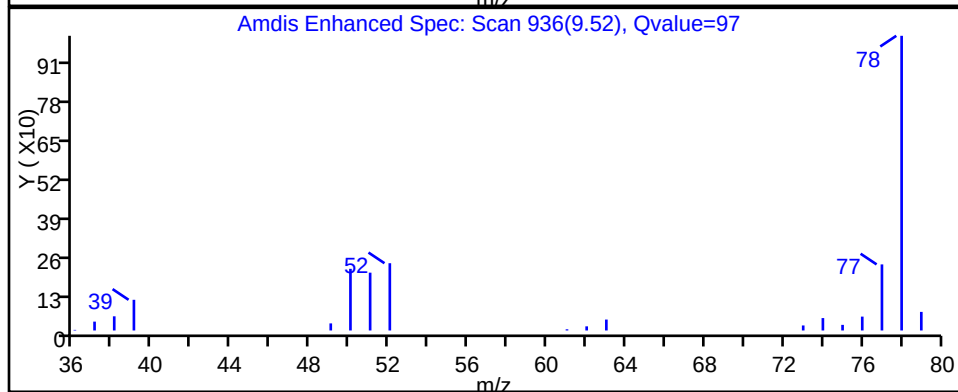
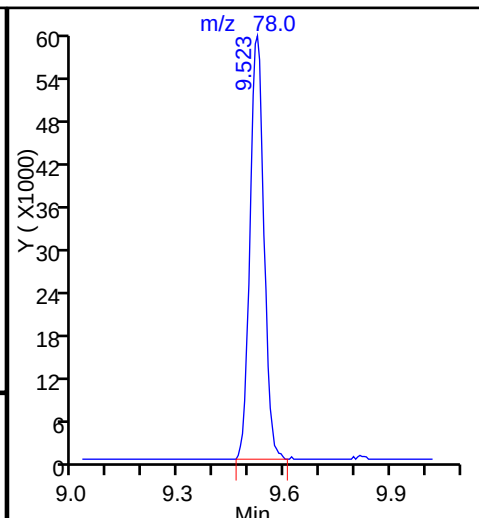
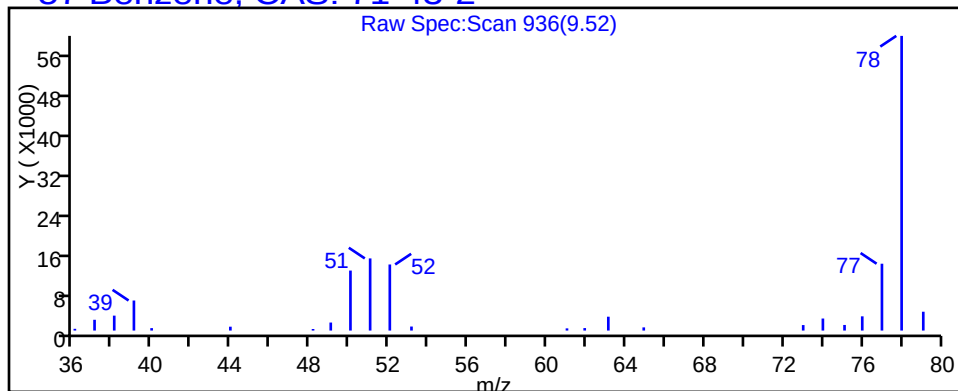
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-27D</u>	Lab Sample ID: <u>480-106799-18</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0849.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 15:01</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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)	1.0	U *	1.0	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	1.0	U	1.0	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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-27D</u>	Lab Sample ID: <u>480-106799-18</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0849.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 15:01</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123
2037-26-5	Toluene-d8 (Surr)	88		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0849.D
 Lims ID: 480-106799-A-18
 Client ID: 4009-27D
 Sample Type: Client
 Inject. Date: 01-Oct-2016 15:01:30 ALS Bottle#: 13 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-18
 Misc. Info.: 480-0056898-013
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 18:52:31 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 18:52:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.828	9.827	0.001	98	132324	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.763	0.001	86	266382	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.757	16.750	0.007	96	305148	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	151874	23.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	96168	22.7	
\$ 5 Toluene-d8 (Surr)	98	11.805	11.798	0.007	93	519728	22.0	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	89	204553	25.2	
10 Dichlorodifluoromethane	85		3.993				ND	
11 Chloromethane	50		4.304				ND	
17 Vinyl chloride	62		4.535				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43	6.342	6.342	0.013	30	2253	0.4146	7
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.913				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.236				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97	9.085	9.073	0.012	6	2602	0.1823	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78		9.523				ND	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.515				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.151				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.241				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO849.D

Injection Date: 01-Oct-2016 15:01:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: 480-106799-A-18

Lab Sample ID: 480-106799-18

Worklist Smp#: 13

Client ID: 4009-27D

Purge Vol: 5.000 mL

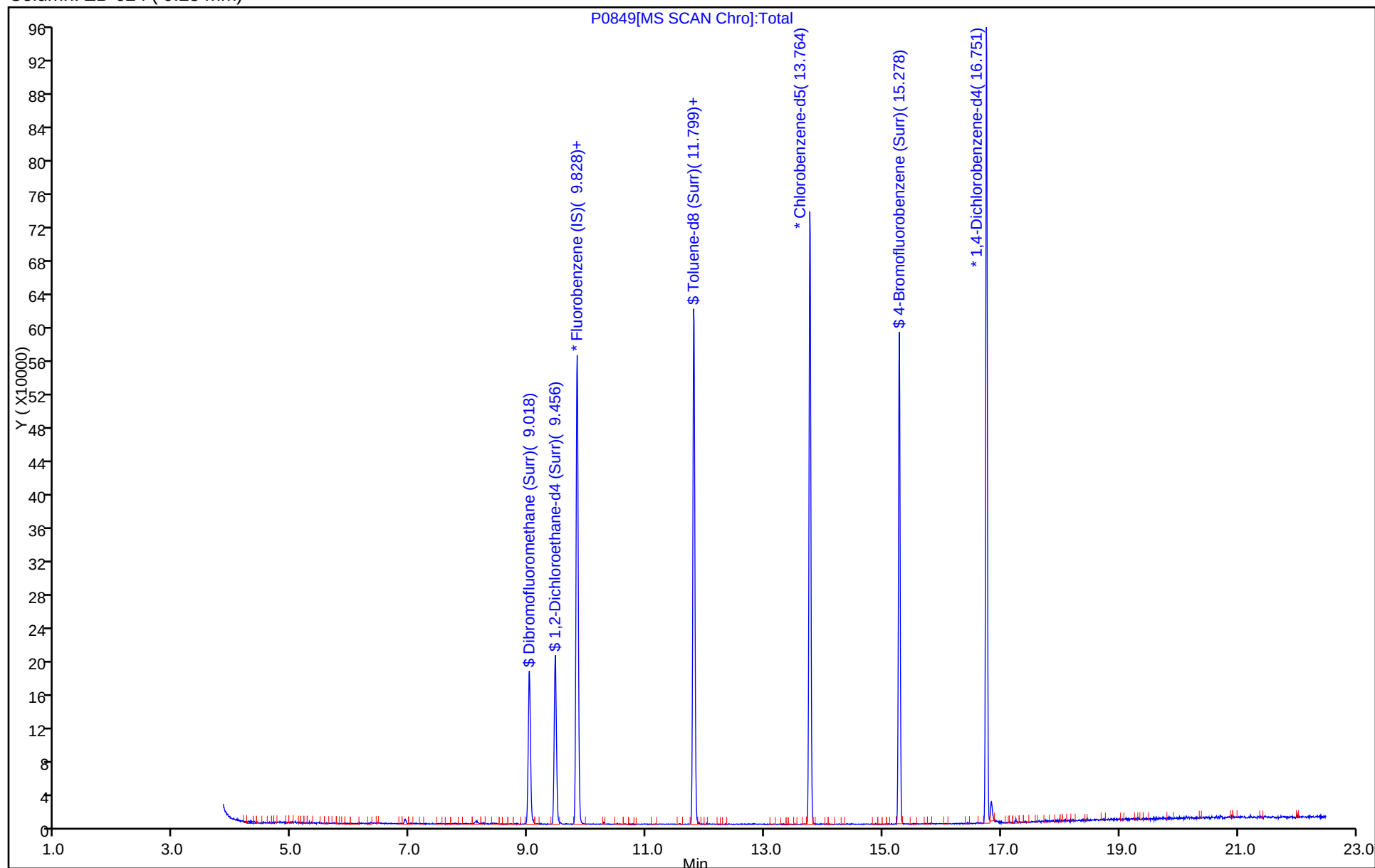
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-28</u>	Lab Sample ID: <u>480-106799-19</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0850.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 07:50</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 15:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2.5		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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-28</u>	Lab Sample ID: <u>480-106799-19</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0850.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 07:50</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 15:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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)	92		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123
2037-26-5	Toluene-d8 (Surr)	89		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0850.D
 Lims ID: 480-106799-A-19
 Client ID: 4009-28
 Sample Type: Client
 Inject. Date: 01-Oct-2016 15:29:30 ALS Bottle#: 14 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-19
 Misc. Info.: 480-0056898-014
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 18:54:07 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 18:54:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.827	0.000	98	130012	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	93	262897	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.756	16.750	0.006	96	302904	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	152158	23.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	95649	23.0	
\$ 5 Toluene-d8 (Surr)	98	11.804	11.798	0.006	93	519837	22.3	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	204803	25.6	
10 Dichlorodifluoromethane	85		3.993				ND	
11 Chloromethane	50		4.304				ND	
17 Vinyl chloride	62		4.535				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43	6.341	6.341	0.012	64	3142	0.5885	7
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.913				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.236				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96	8.458	8.453	0.005	76	3117	0.3103	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97	9.079	9.073	0.006	97	34471	2.46	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78		9.523				ND	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.515				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43	11.555	11.555	0.000	1	1694	0.0909	7
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.151				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.241				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO850.D

Injection Date: 01-Oct-2016 15:29:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: 480-106799-A-19

Lab Sample ID: 480-106799-19

Worklist Smp#: 14

Client ID: 4009-28

Purge Vol: 5.000 mL

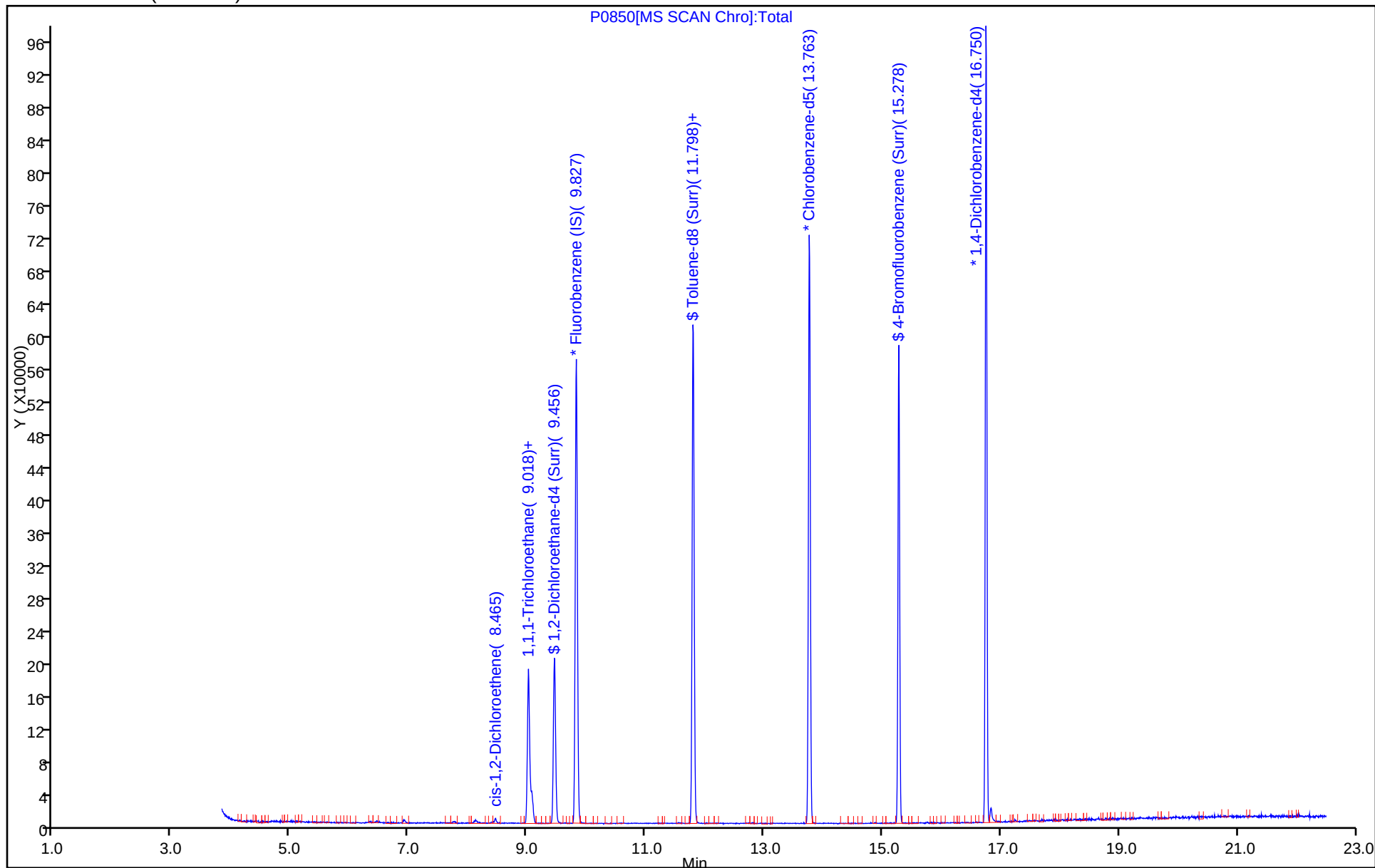
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0850.D

Injection Date: 01-Oct-2016 15:29:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-19

Lab Sample ID: 480-106799-19

Client ID: 4009-28

Operator ID: gtg

ALS Bottle#: 14

Worklist Smp#: 14

Purge Vol: 5.000 mL

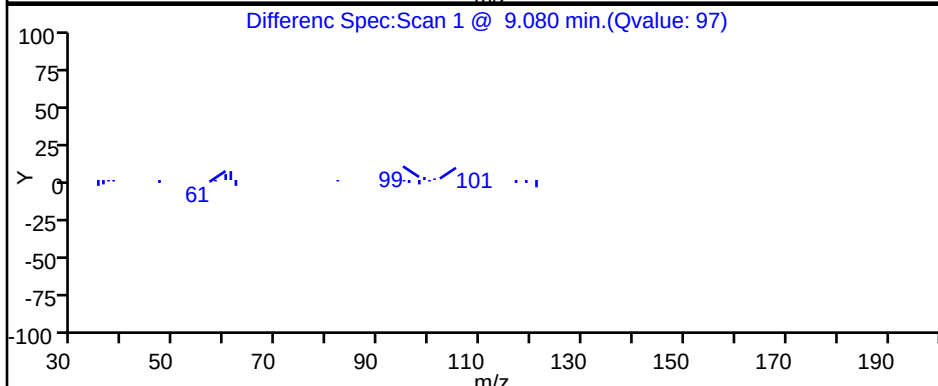
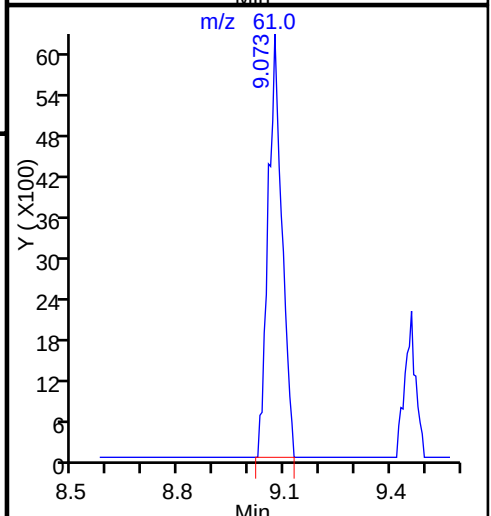
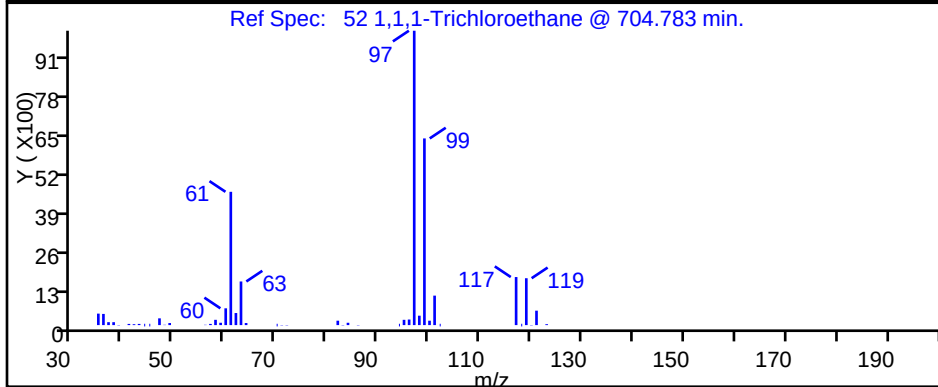
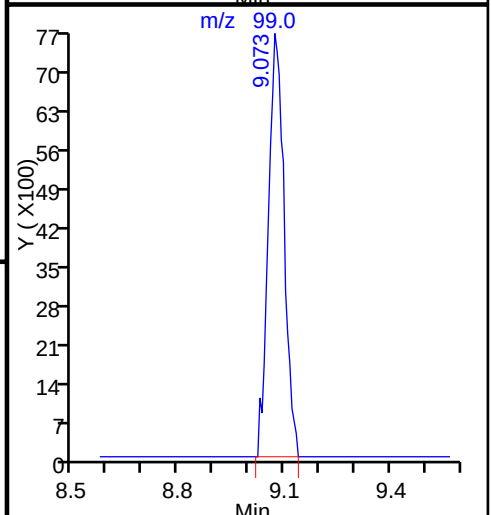
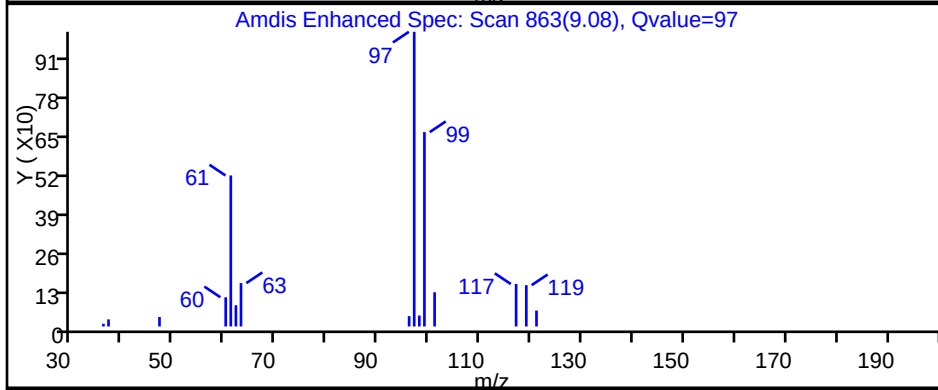
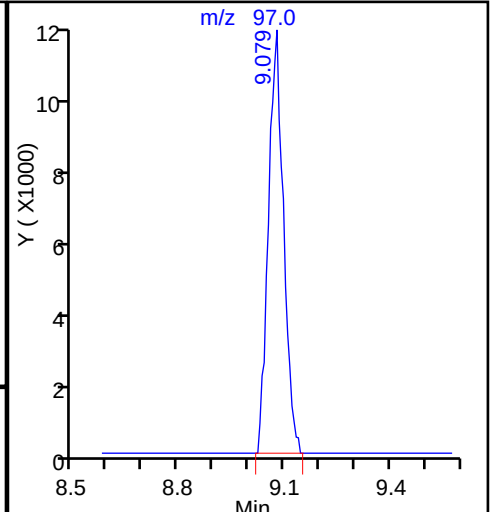
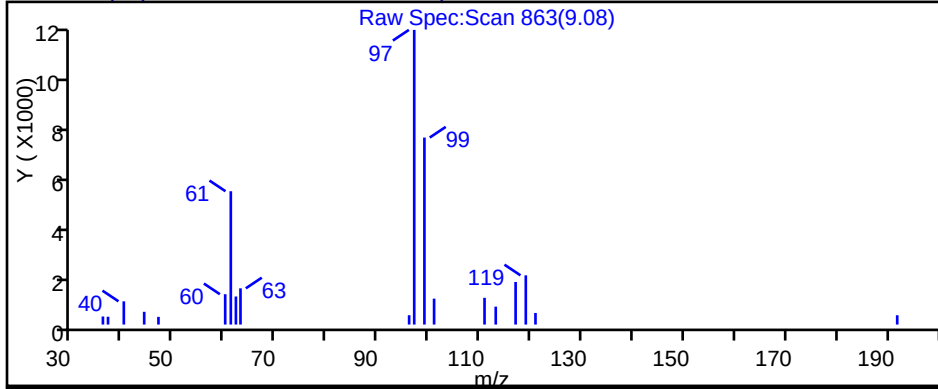
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

52 1,1,1-Trichloroethane, CAS: 71-55-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-29S</u>	Lab Sample ID: <u>480-106799-20</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0851.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 09:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 15:56</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>20</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	430		20	16
79-34-5	1,1,2,2-Tetrachloroethane	20	U	20	4.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	20	6.2
79-00-5	1,1,2-Trichloroethane	20	U	20	4.6
75-34-3	1,1-Dichloroethane	52		20	7.6
75-35-4	1,1-Dichloroethene	27		20	5.8
526-73-8	1,2,3-Trimethylbenzene	20	U	20	5.2
120-82-1	1,2,4-Trichlorobenzene	20	U	20	8.2
95-63-6	1,2,4-Trimethylbenzene	20	U	20	15
96-12-8	1,2-Dibromo-3-Chloropropane	20	U	20	7.8
106-93-4	1,2-Dibromoethane	20	U	20	15
95-50-1	1,2-Dichlorobenzene	20	U	20	16
107-06-2	1,2-Dichloroethane	20	U	20	4.2
78-87-5	1,2-Dichloropropane	20	U	20	14
108-67-8	1,3,5-Trimethylbenzene	20	U	20	15
541-73-1	1,3-Dichlorobenzene	20	U	20	16
106-46-7	1,4-Dichlorobenzene	20	U	20	17
78-93-3	2-Butanone (MEK)	200	U *	200	26
591-78-6	2-Hexanone	100	U	100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	100	U	100	42
67-64-1	Acetone	200	U	200	60
71-43-2	Benzene	20	U	20	8.2
75-27-4	Bromodichloromethane	20	U	20	7.8
75-25-2	Bromoform	20	U	20	5.2
74-83-9	Bromomethane	20	U	20	14
75-15-0	Carbon disulfide	20	U	20	3.8
56-23-5	Carbon tetrachloride	20	U	20	5.4
108-90-7	Chlorobenzene	20	U	20	15
75-00-3	Chloroethane	20	U	20	6.4
67-66-3	Chloroform	20	U	20	6.8
74-87-3	Chloromethane	20	U	20	7.0
156-59-2	cis-1,2-Dichloroethene	200		20	16
10061-01-5	cis-1,3-Dichloropropene	20	U	20	7.2
110-82-7	Cyclohexane	20	U	20	3.6
124-48-1	Dibromochloromethane	20	U	20	6.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-29S</u>	Lab Sample ID: <u>480-106799-20</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0851.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 09:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 15:56</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>20</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	20	U	20	14
100-41-4	Ethylbenzene	20	U	20	15
98-82-8	Isopropylbenzene	20	U	20	16
79-20-9	Methyl acetate	50	U	50	26
1634-04-4	Methyl tert-butyl ether	20	U	20	3.2
108-87-2	Methylcyclohexane	20	U	20	3.2
75-09-2	Methylene Chloride	20	U	20	8.8
100-42-5	Styrene	20	U	20	15
127-18-4	Tetrachloroethene	20	U	20	7.2
108-88-3	Toluene	20	U	20	10
156-60-5	trans-1,2-Dichloroethene	20	U	20	18
10061-02-6	trans-1,3-Dichloropropene	20	U	20	7.4
79-01-6	Trichloroethene	20	U	20	9.2
75-69-4	Trichlorofluoromethane	20	U	20	18
75-01-4	Vinyl chloride	95		20	18
1330-20-7	Xylenes, Total	40	U	40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123
2037-26-5	Toluene-d8 (Surr)	89		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0851.D
 Lims ID: 480-106799-A-20
 Client ID: 4009-29S
 Sample Type: Client
 Inject. Date: 01-Oct-2016 15:56:30 ALS Bottle#: 15 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 20.0000
 Sample Info: 480-106799-A-20
 Misc. Info.: 480-0056898-015
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 18:55:27 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 18:55:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.821	9.827	-0.006	98	128686	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	257129	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	304712	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	153042	24.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	94009	22.8	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	509337	22.3	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	89	196759	25.2	
10 Dichlorodifluoromethane	85		3.993				ND	
11 Chloromethane	50		4.304				ND	
17 Vinyl chloride	62	4.510	4.535	-0.025	97	38559	4.75	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96	6.293	6.287	0.006	95	11603	1.34	
24 Acetone	43		6.329				ND	
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84	6.913	6.913	0.000	77	11760	0.0478	7
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.236				ND	
40 1,1-Dichloroethane	63	7.759	7.753	0.006	97	49640	2.59	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96	8.459	8.453	0.006	83	97260	9.78	
49 Chloroform	83	8.805	8.805	0.000	90	2630	0.1706	
52 1,1,1-Trichloroethane	97	9.073	9.073	0.000	99	299715	21.6	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.523	9.523	0.000	22	6011	0.1715	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95	10.278	10.272	0.006	93	4059	0.4279	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.515				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.151				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.241				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO851.D

Injection Date: 01-Oct-2016 15:56:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: 480-106799-A-20

Lab Sample ID: 480-106799-20

Worklist Smp#: 15

Client ID: 4009-29S

Purge Vol: 5.000 mL

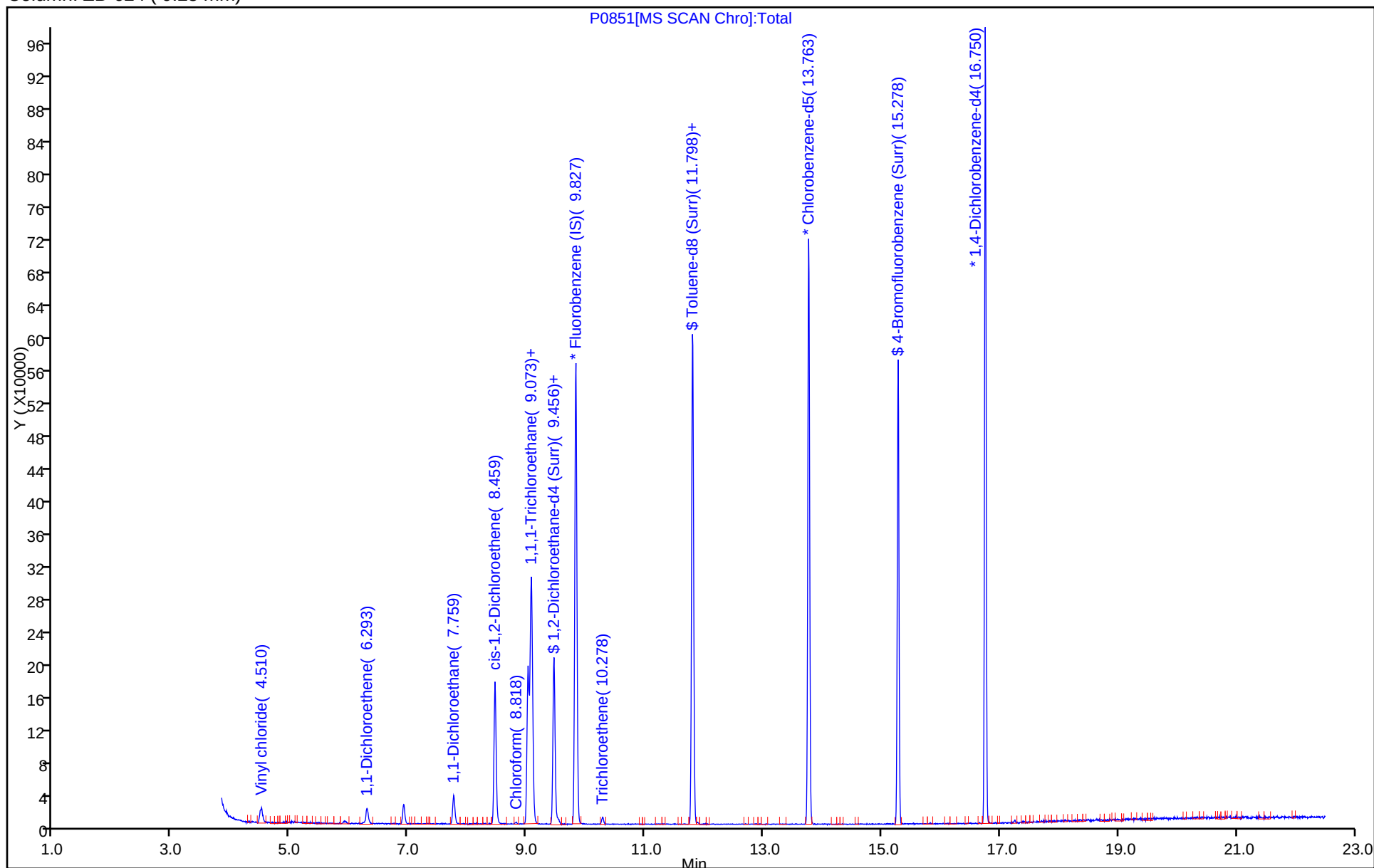
Dil. Factor: 20.0000

ALS Bottle#: 15

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0851.D

Injection Date: 01-Oct-2016 15:56:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-20

Lab Sample ID: 480-106799-20

Client ID: 4009-29S

Operator ID: gtg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 5.000 mL

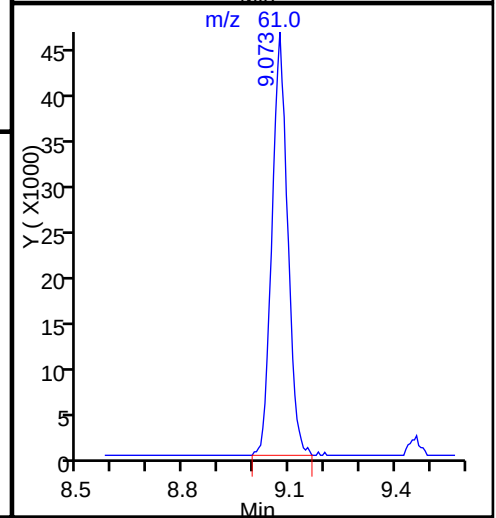
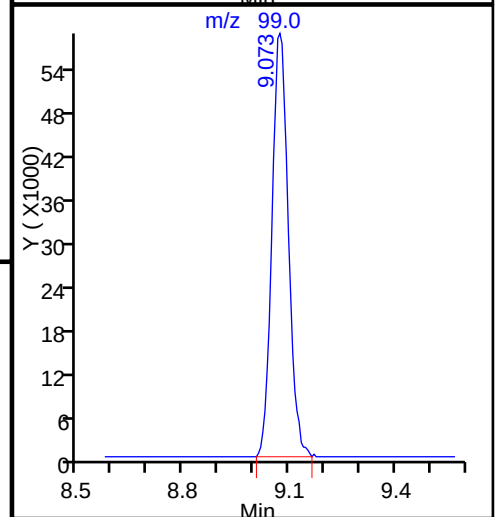
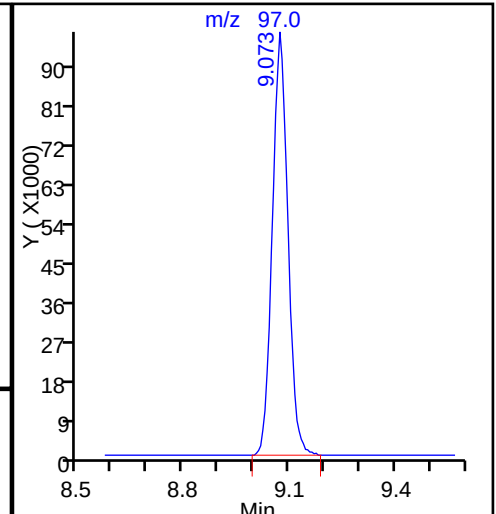
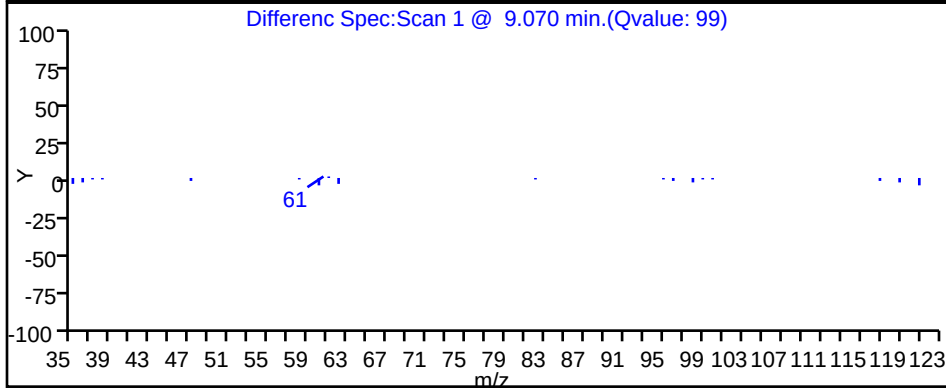
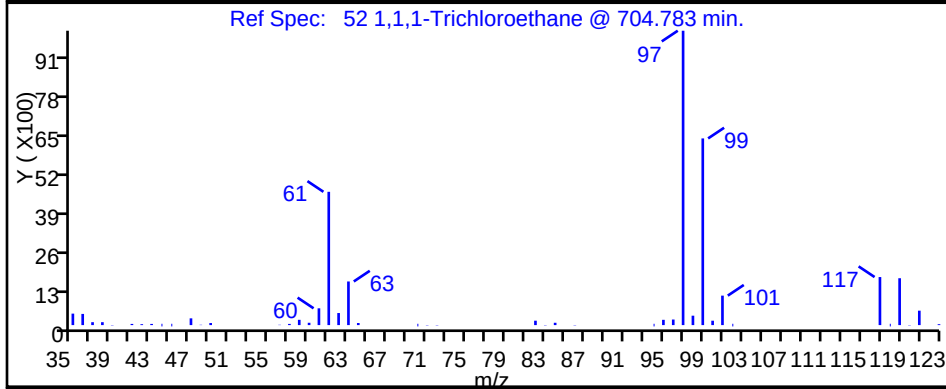
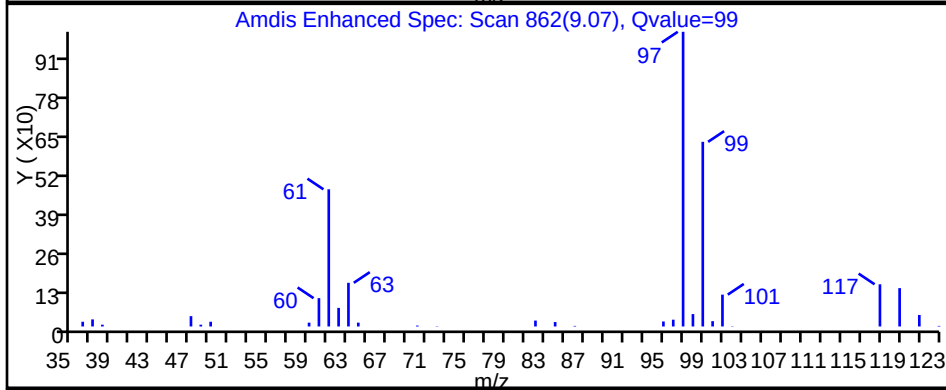
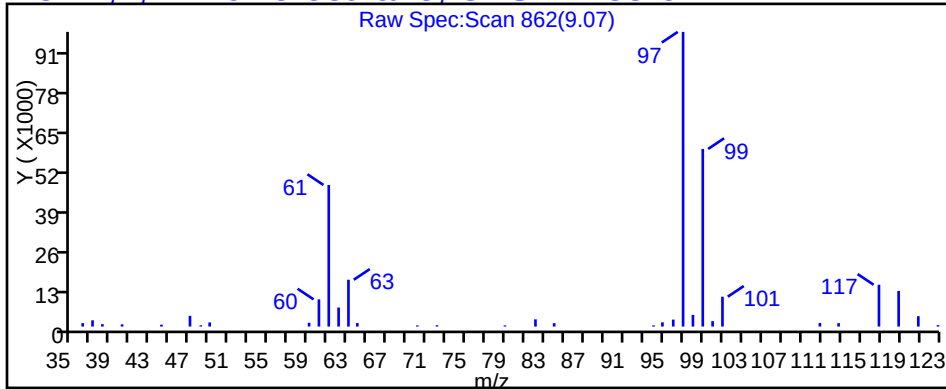
Dil. Factor: 20.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

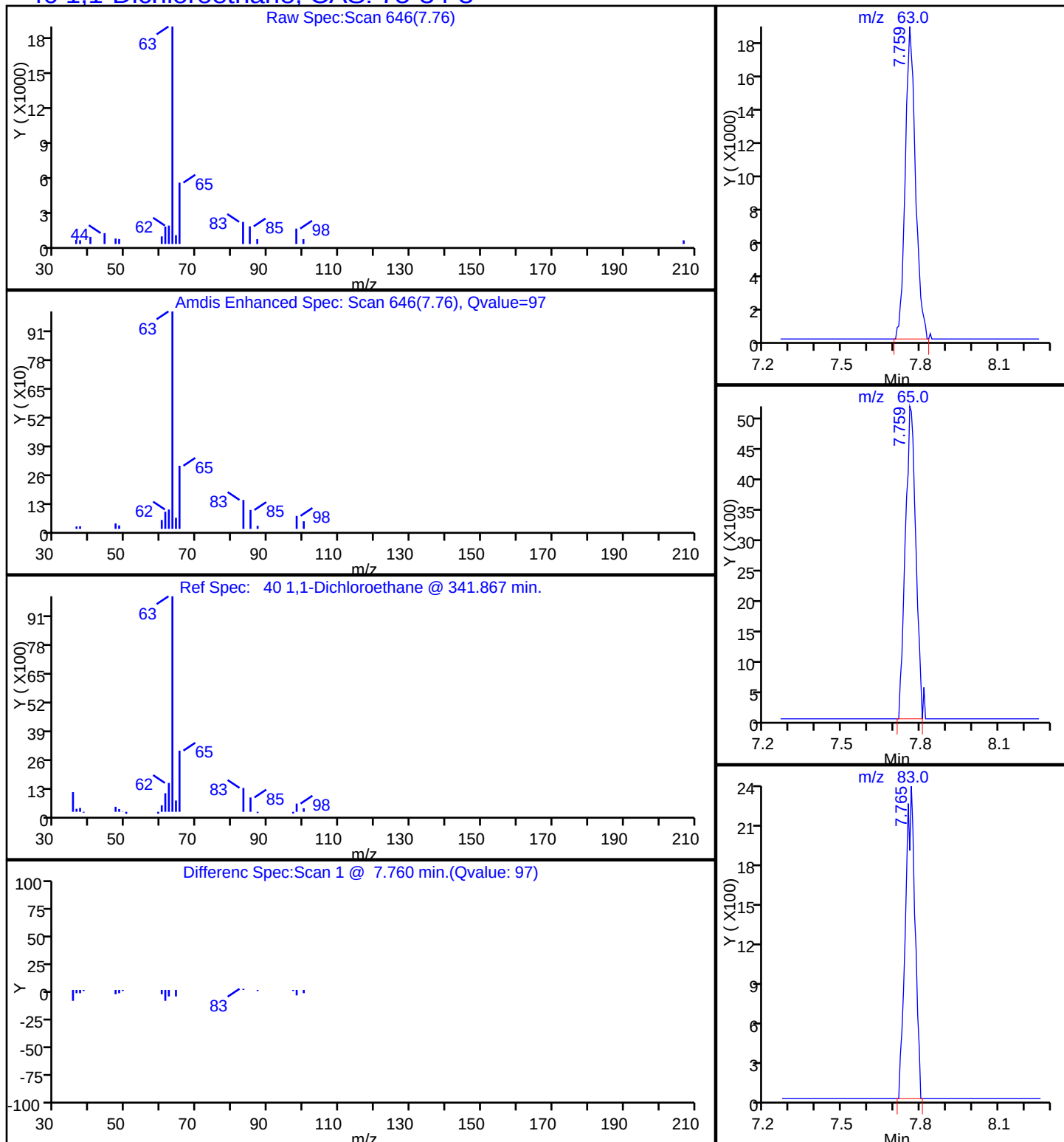
Detector: MS SCAN

52 1,1,1-Trichloroethane, CAS: 71-55-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO851.D
Injection Date: 01-Oct-2016 15:56:30 Instrument ID: HP5973P
Lims ID: 480-106799-A-20 Lab Sample ID: 480-106799-20
Client ID: 4009-29S
Operator ID: gtg ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

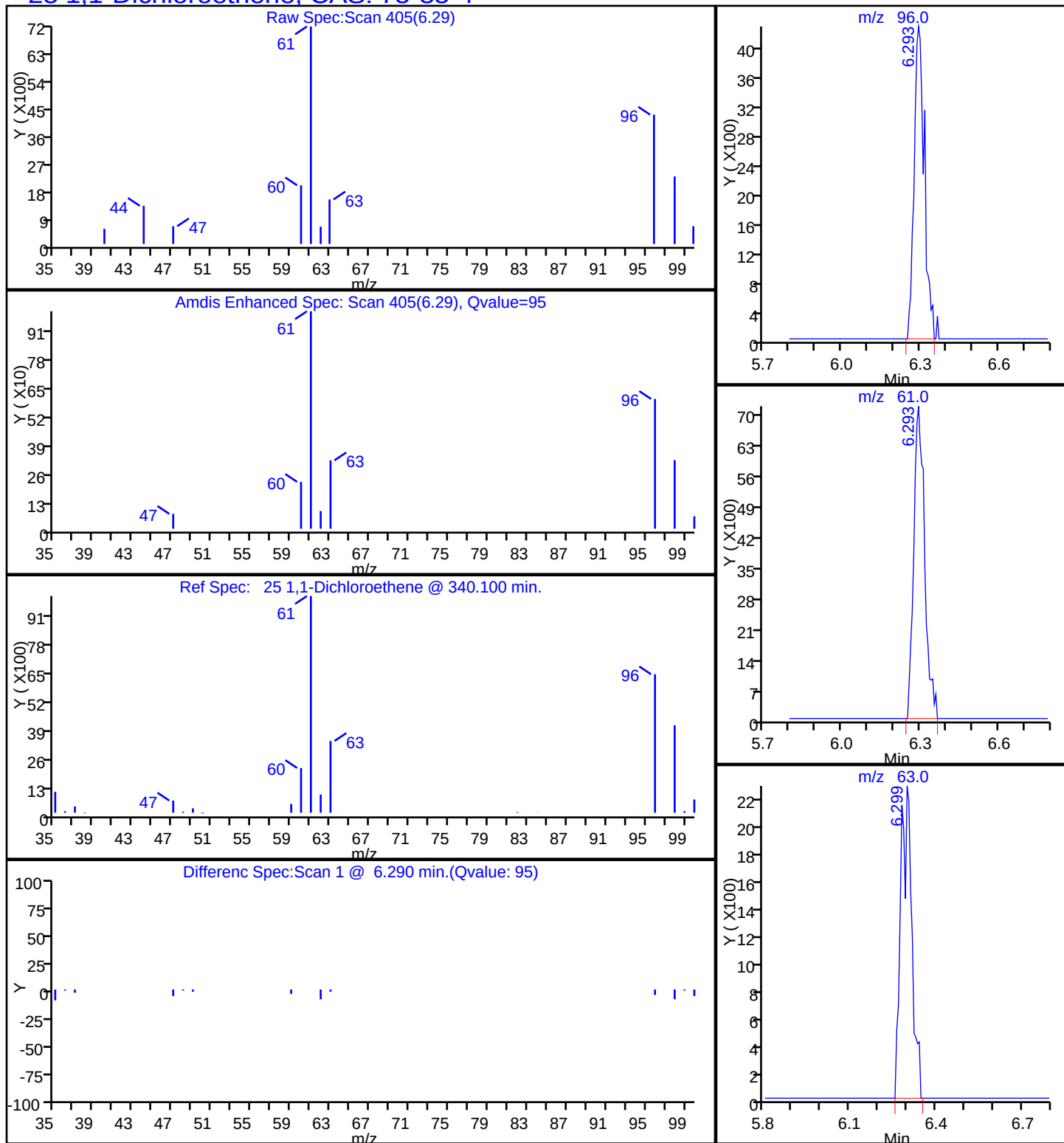
40 1,1-Dichloroethane, CAS: 75-34-3



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO851.D
Injection Date: 01-Oct-2016 15:56:30 Instrument ID: HP5973P
Lims ID: 480-106799-A-20 Lab Sample ID: 480-106799-20
Client ID: 4009-29S
Operator ID: gtg ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

25 1,1-Dichloroethene, CAS: 75-35-4



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO851.D

Injection Date: 01-Oct-2016 15:56:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-20

Lab Sample ID: 480-106799-20

Client ID: 4009-29S

Operator ID: gtg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 5.000 mL

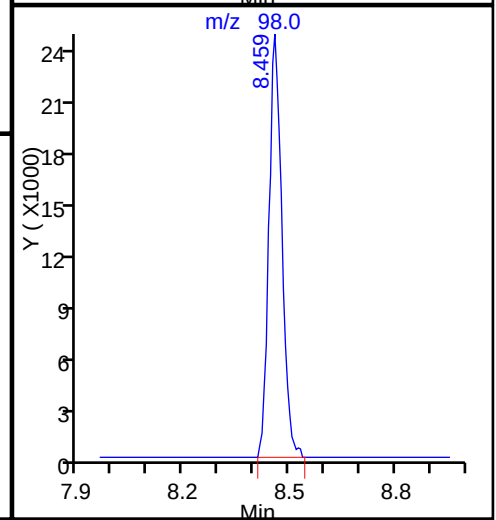
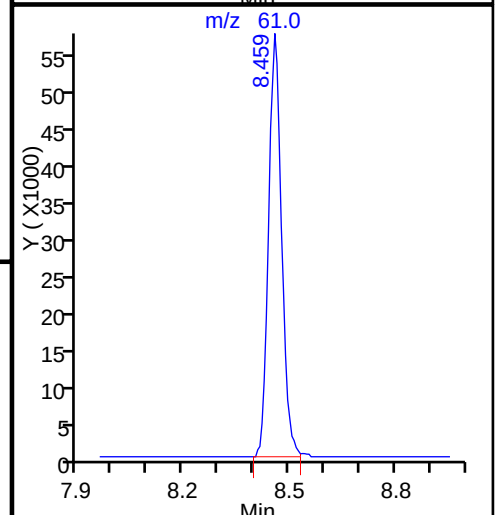
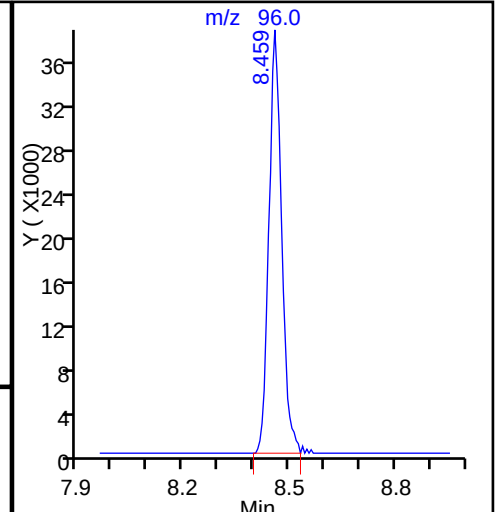
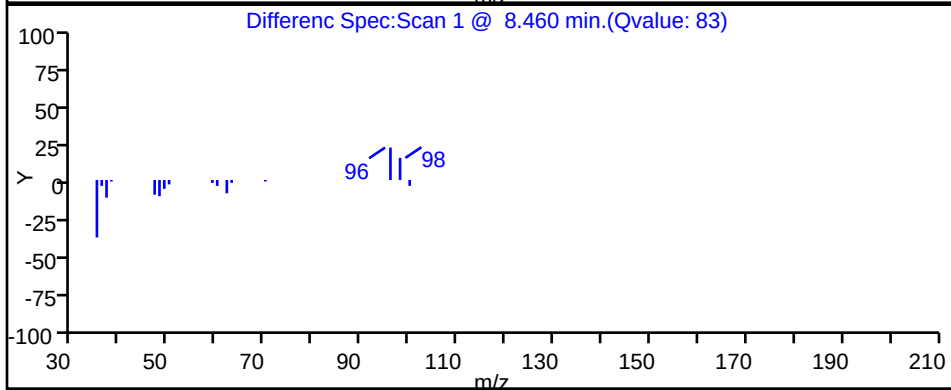
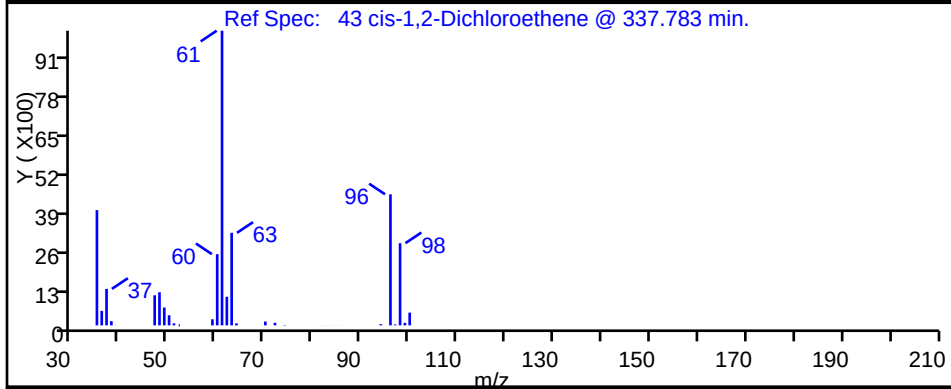
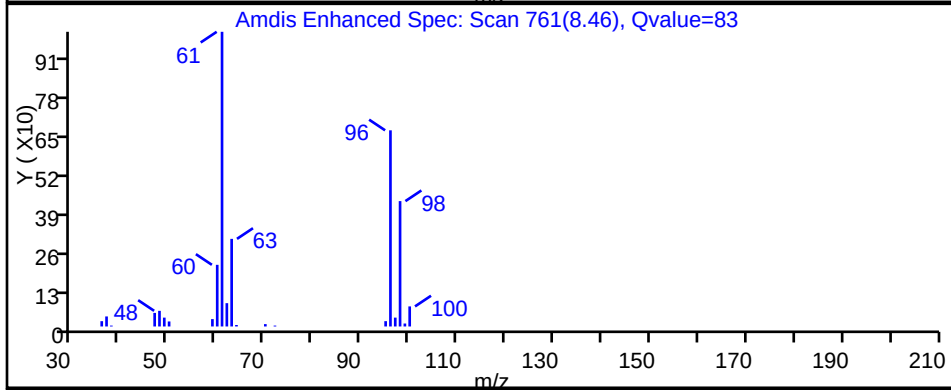
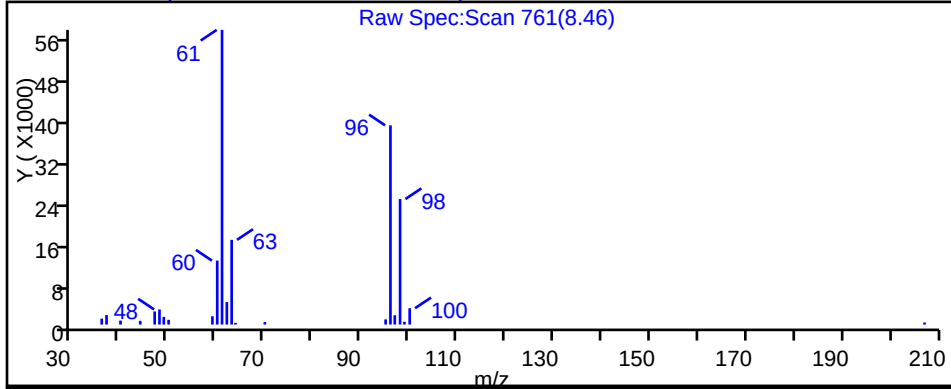
Dil. Factor: 20.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0851.D

Injection Date: 01-Oct-2016 15:56:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-20

Lab Sample ID: 480-106799-20

Client ID: 4009-29S

Operator ID: gtg

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 5.000 mL

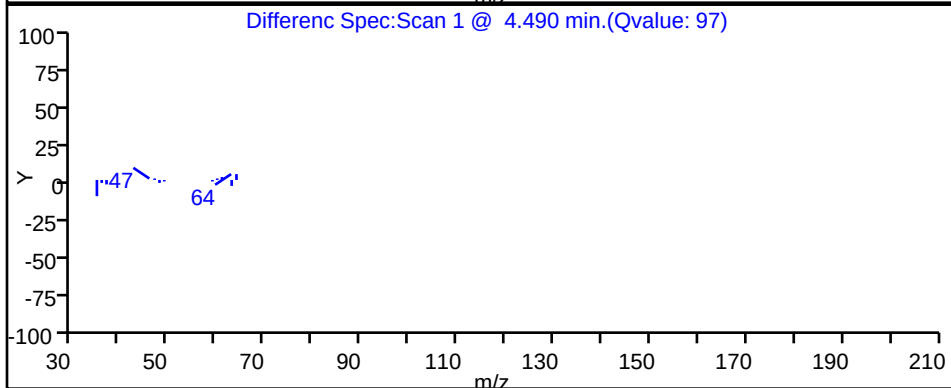
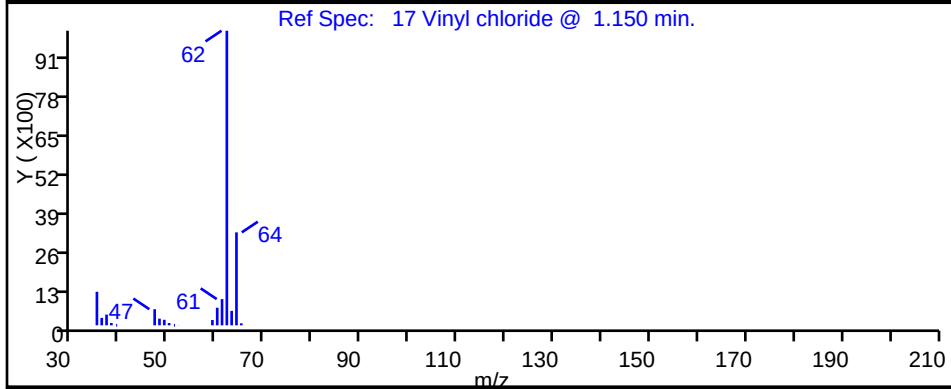
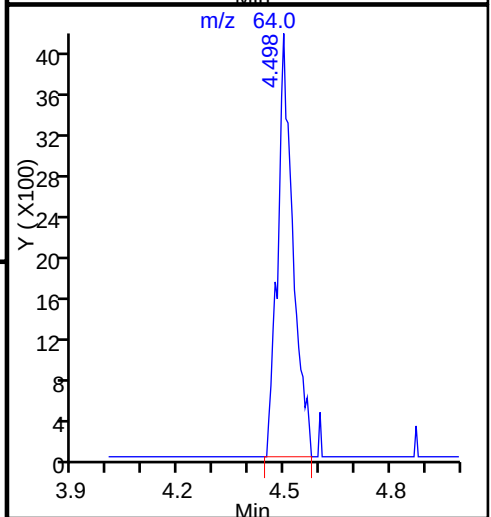
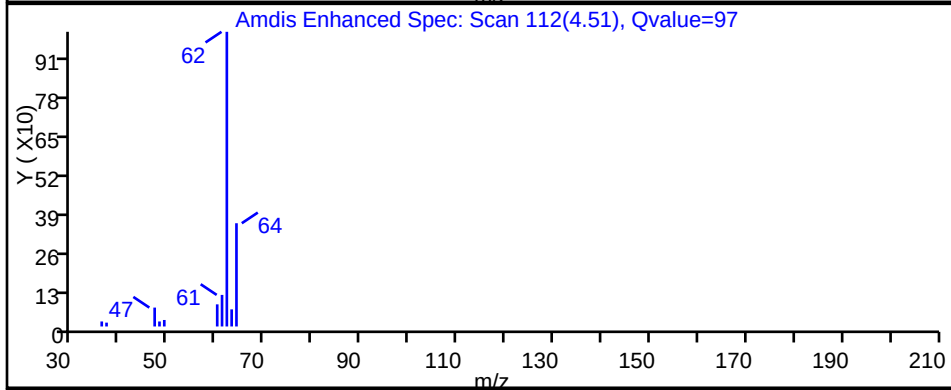
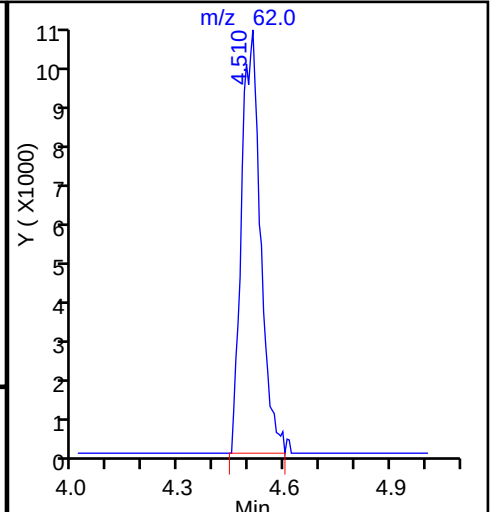
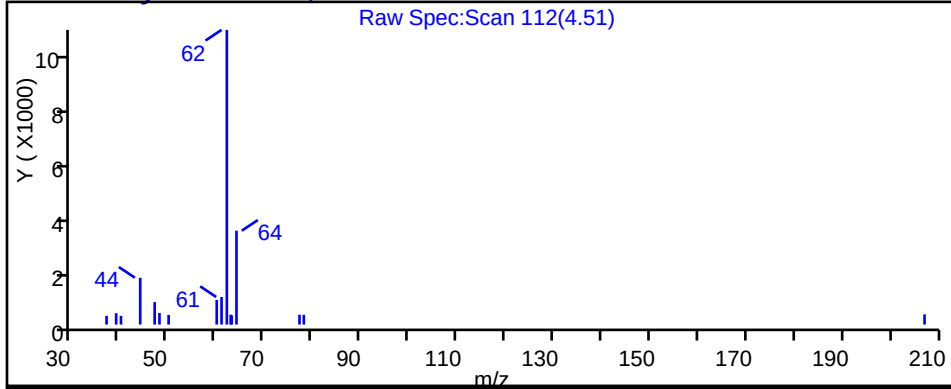
Dil. Factor: 20.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

17 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-29I</u>	Lab Sample ID: <u>480-106799-21</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0905.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 09:50</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/03/2016 21:55</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323586</u>	Units: <u>ug/L</u>

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	4.4		1.0	0.38
75-35-4	1,1-Dichloroethene	1.9		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	5.6	J	10	3.0
71-43-2	Benzene	75		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	0.35	J	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	51		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	45		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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: 4009-29I Lab Sample ID: 480-106799-21
 Matrix: Water Lab File ID: P0905.D
 Analysis Method: 8260C Date Collected: 09/29/2016 09:50
 Sample wt/vol: 5 (mL) Date Analyzed: 10/03/2016 21:55
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323586 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	2.2		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	3.5		1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	2.0		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)	87		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123
2037-26-5	Toluene-d8 (Surr)	87		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0905.D
 Lims ID: 480-106799-B-21
 Client ID: 4009-291
 Sample Type: Client
 Inject. Date: 03-Oct-2016 21:55:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-B-21
 Misc. Info.: 480-0056940-009
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 04-Oct-2016 15:37:49 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: farrellr

Date: 04-Oct-2016 15:37:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.821	9.821	0.000	98	130354	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.764	0.000	87	267002	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.751	0.000	96	310494	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.018	-0.006	93	149692	23.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	91230	21.8	
\$ 5 Toluene-d8 (Surr)	98	11.799	11.799	0.000	93	515075	21.7	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	211693	26.1	
10 Dichlorodifluoromethane	85		3.981				ND	
11 Chloromethane	50		4.297				ND	
17 Vinyl chloride	62	4.541	4.529	0.012	97	16589	2.02	
12 Bromomethane	94		5.076				ND	
13 Chloroethane	64	5.210	5.198	0.012	98	222824	50.8	
14 Trichlorofluoromethane	101		5.611				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.244				ND	
25 1,1-Dichloroethene	96	6.287	6.287	0.000	95	16518	1.88	
24 Acetone	43	6.335	6.323	0.012	97	29844	5.58	
27 Carbon disulfide	76	6.670	6.664	0.006	96	10359	0.3500	
30 Methyl acetate	43		6.700				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.163				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63	7.759	7.753	0.006	96	85636	4.42	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96	8.459	8.453	0.007	84	457229	45.4	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.067				ND	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.523	9.517	0.006	98	2651743	74.7	
60 1,2-Dichloroethane	62		9.541				ND	
62 Trichloroethene	95	10.278	10.278	0.000	92	33609	3.50	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92	11.890	11.890	0.000	97	50815	2.18	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.015				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91	13.873	13.873	0.006	1	1761	0.0416	7
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.560				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.430				ND	
102 1,3,5-Trimethylbenzene	105		15.728				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.274				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0905.D

Injection Date: 03-Oct-2016 21:55:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-B-21

Lab Sample ID: 480-106799-21

Worklist Smp#: 9

Client ID: 4009-29I

Purge Vol: 5.000 mL

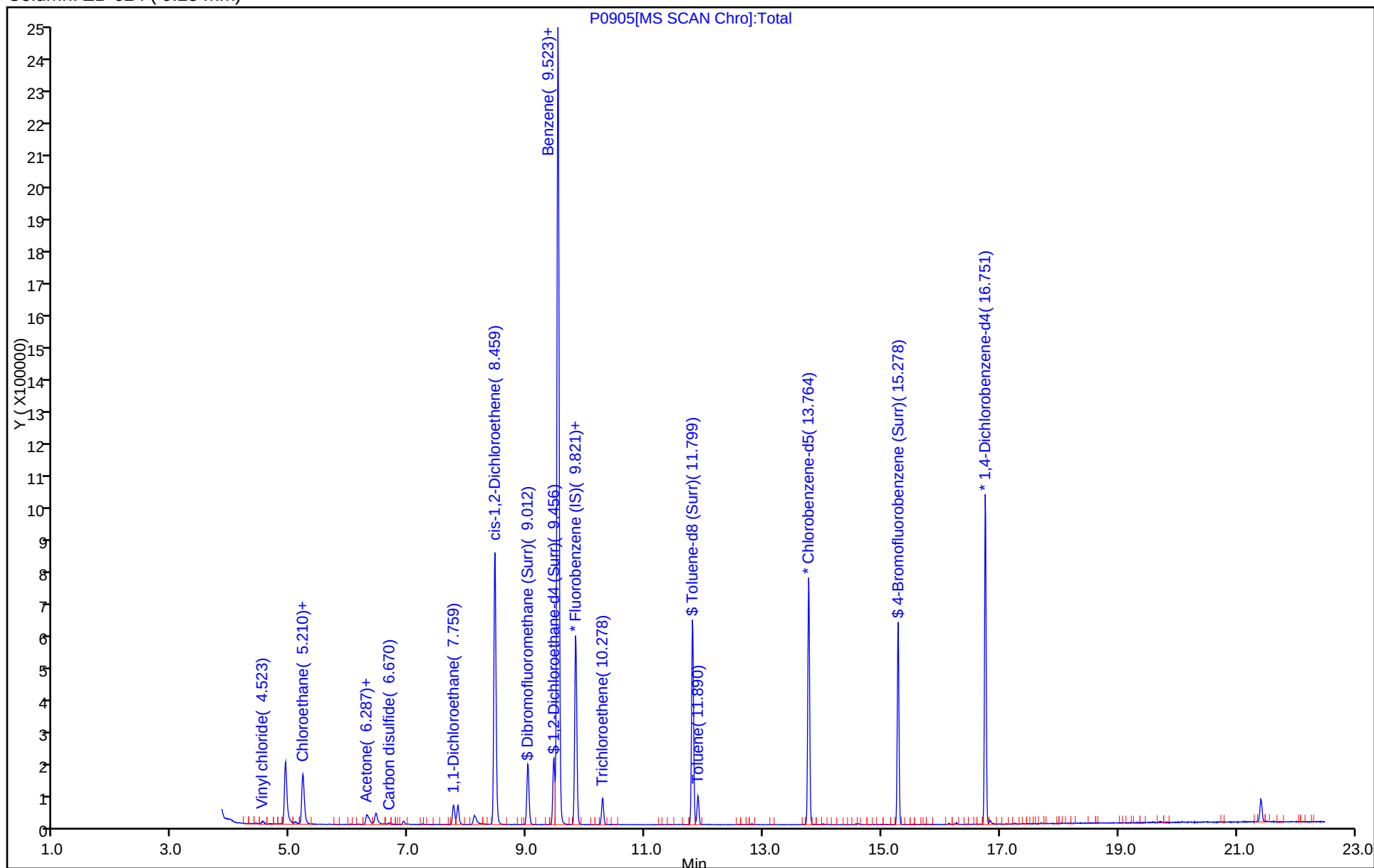
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0905.D

Injection Date: 03-Oct-2016 21:55:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-21

Lab Sample ID: 480-106799-21

Client ID: 4009-29I

Operator ID: SY

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

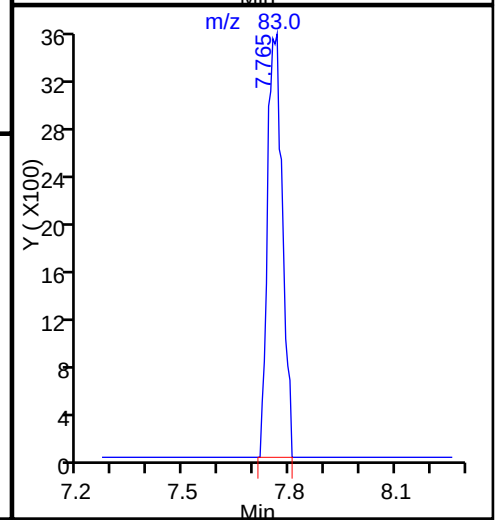
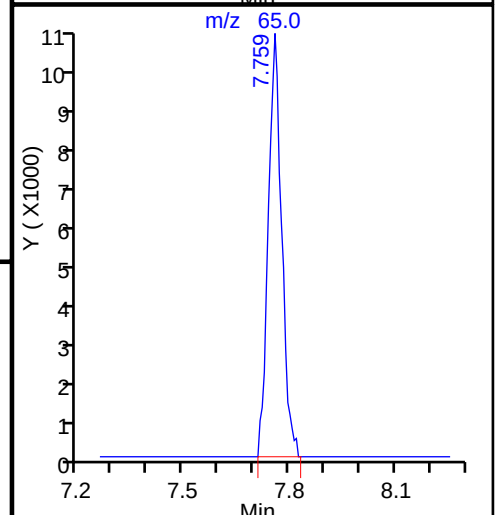
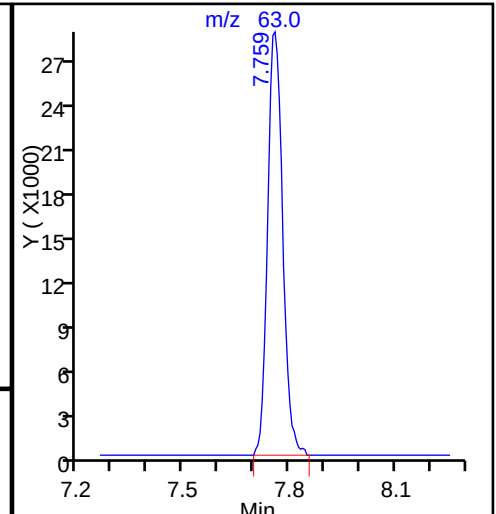
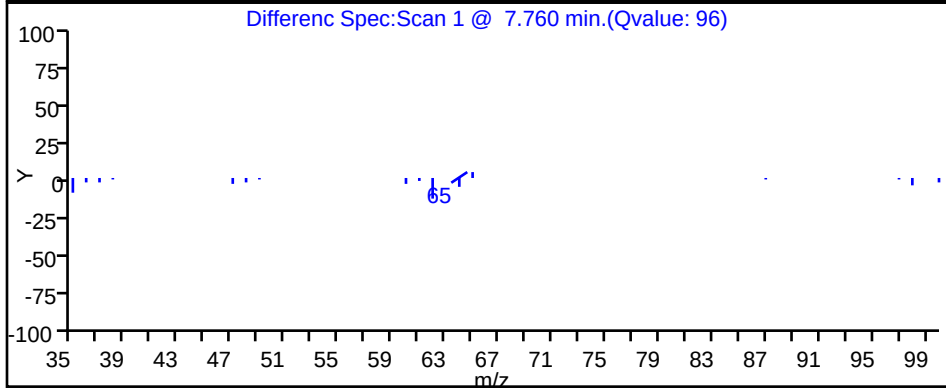
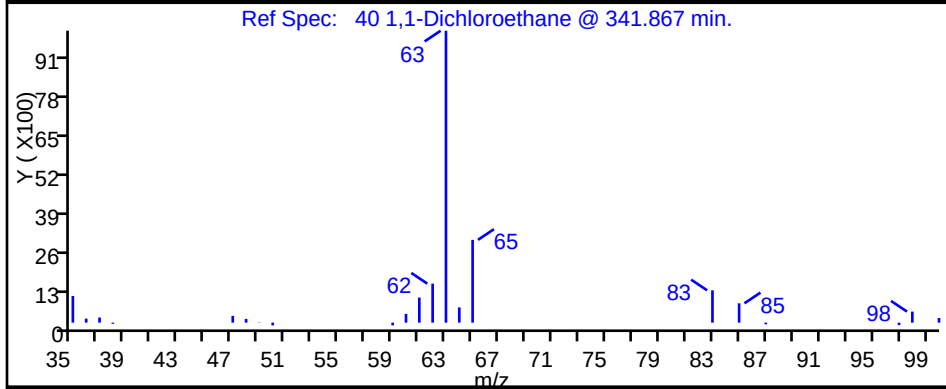
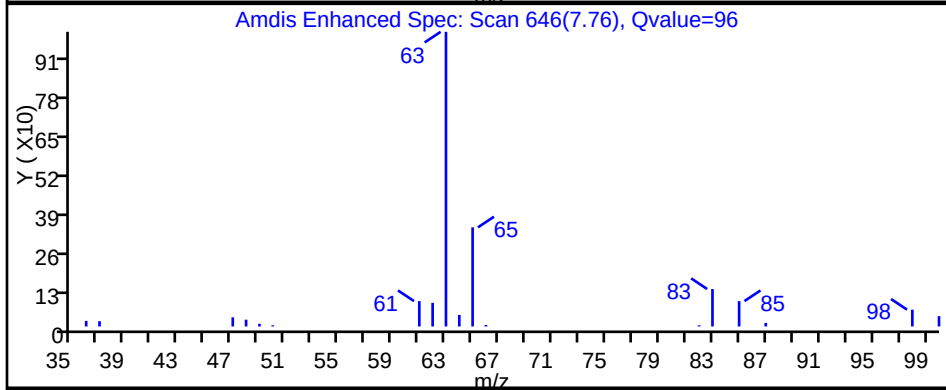
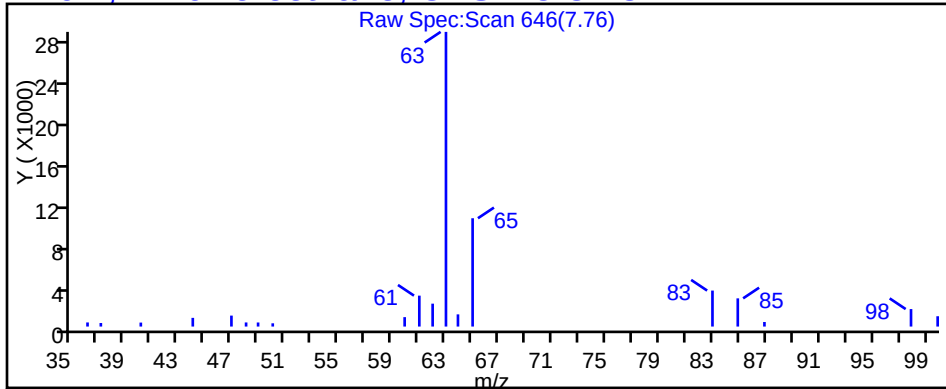
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

40 1,1-Dichloroethane, CAS: 75-34-3



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0905.D

Injection Date: 03-Oct-2016 21:55:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-21

Lab Sample ID: 480-106799-21

Client ID: 4009-29I

Operator ID: SY

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 5.000 mL

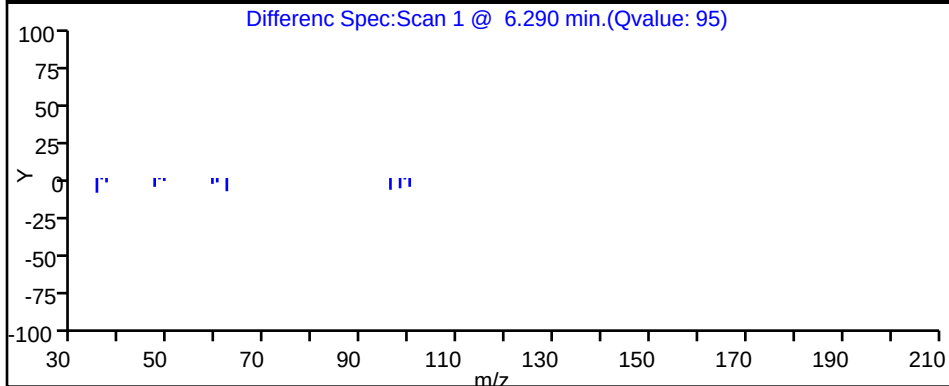
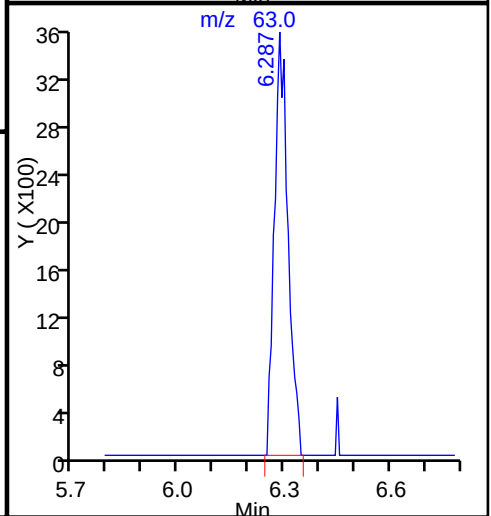
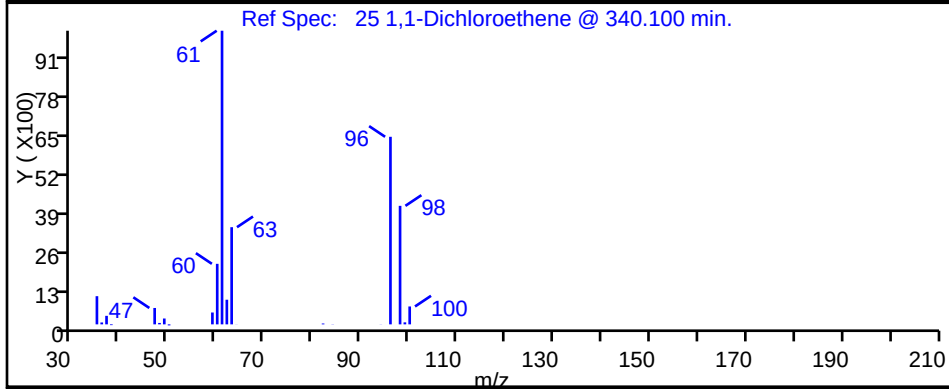
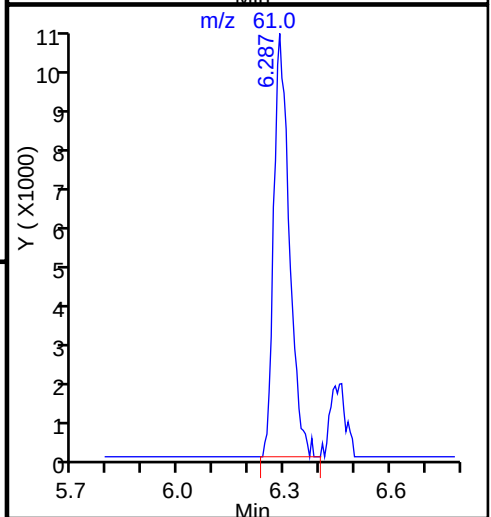
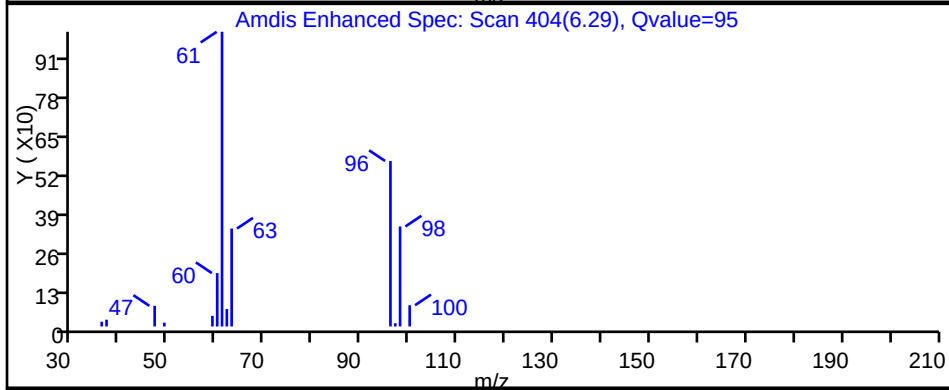
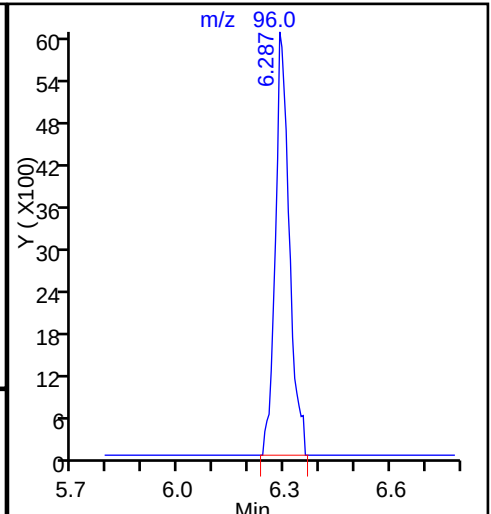
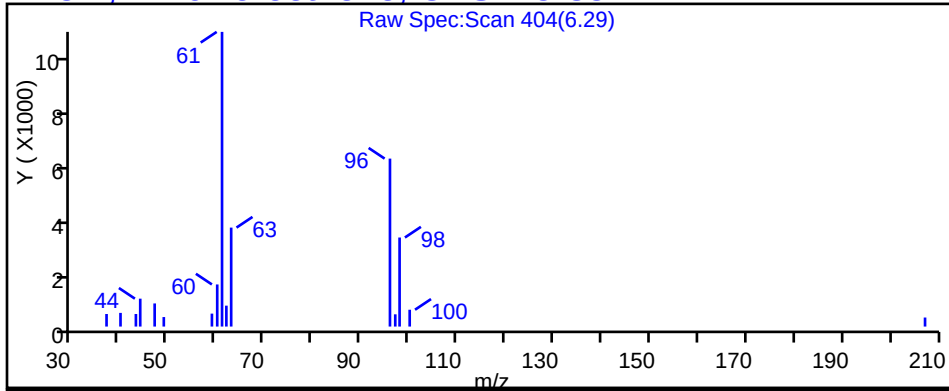
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 1,1-Dichloroethene, CAS: 75-35-4

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0905.D

Injection Date: 03-Oct-2016 21:55:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-21

Lab Sample ID: 480-106799-21

Client ID: 4009-291

Operator ID: SY

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

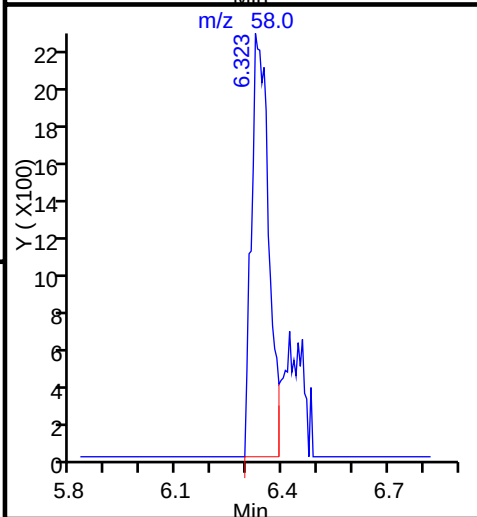
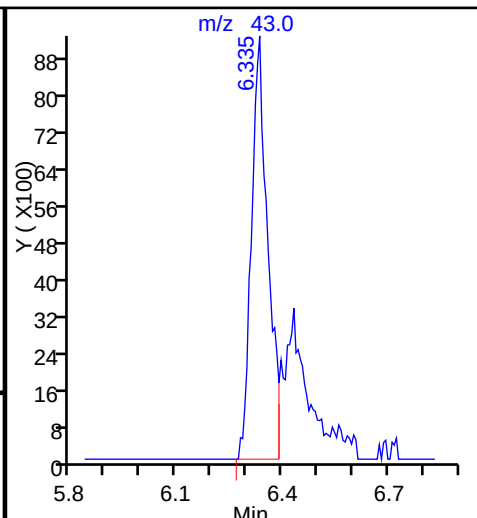
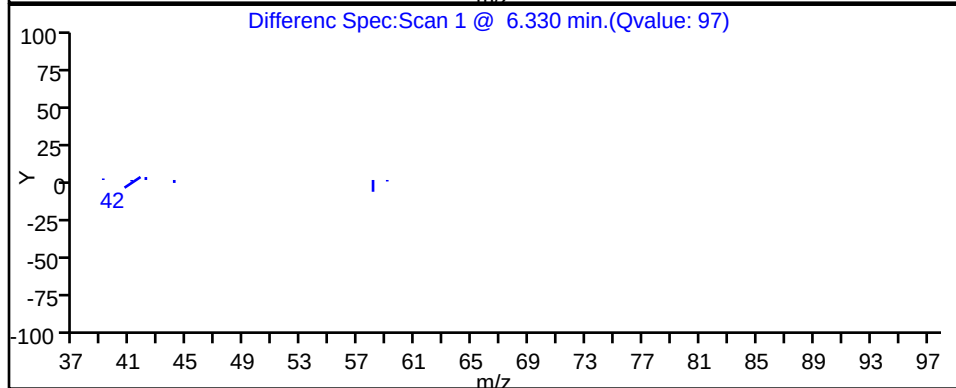
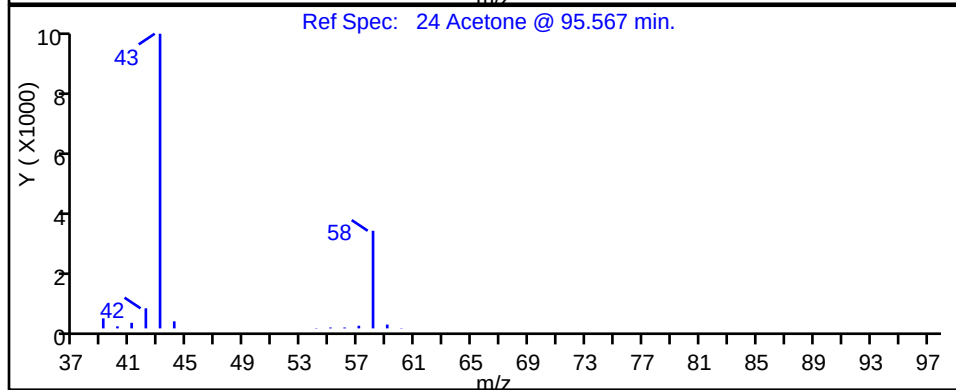
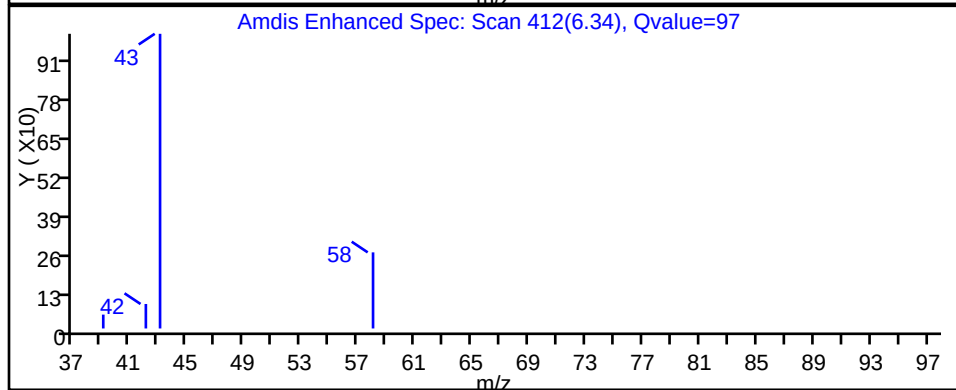
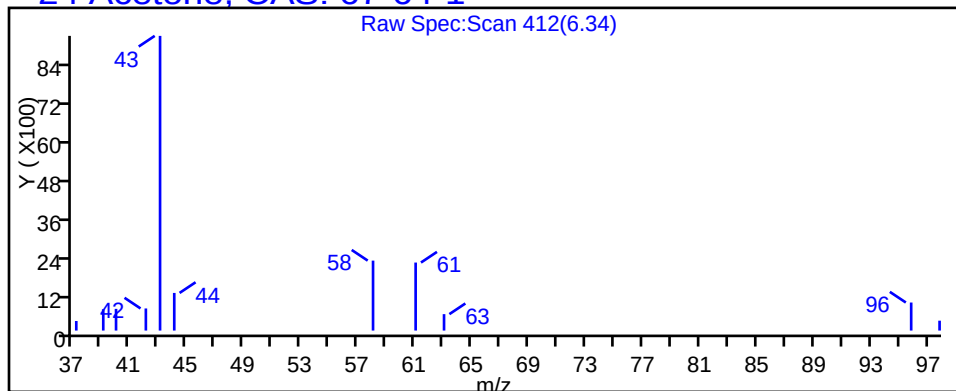
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

24 Acetone, CAS: 67-64-1



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0905.D

Injection Date: 03-Oct-2016 21:55:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-21

Lab Sample ID: 480-106799-21

Client ID: 4009-291

Operator ID: SY

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

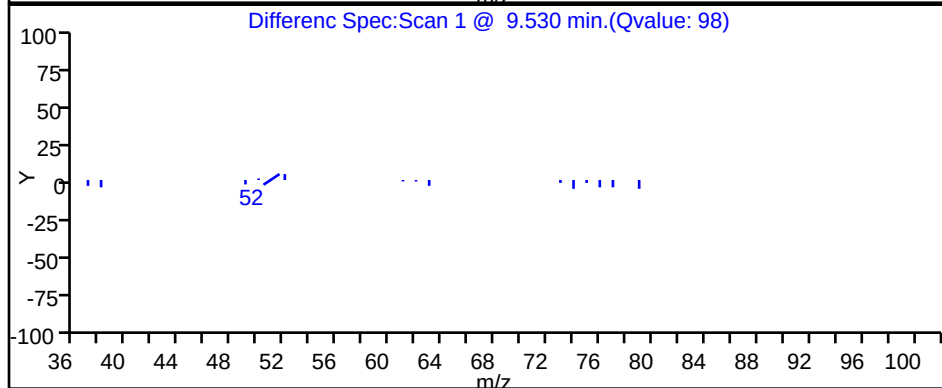
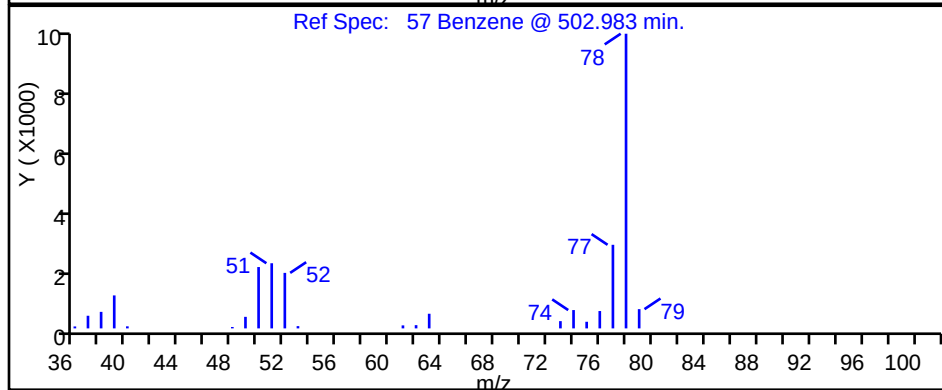
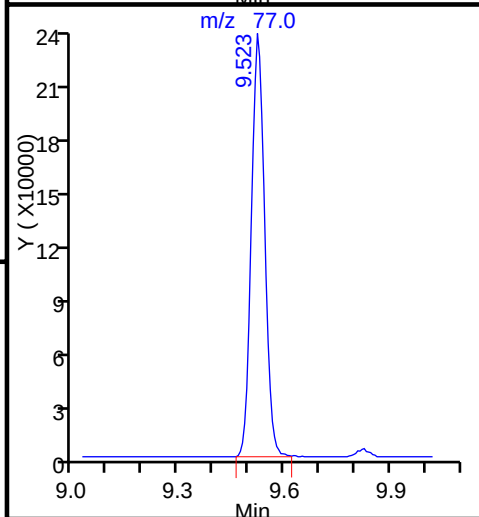
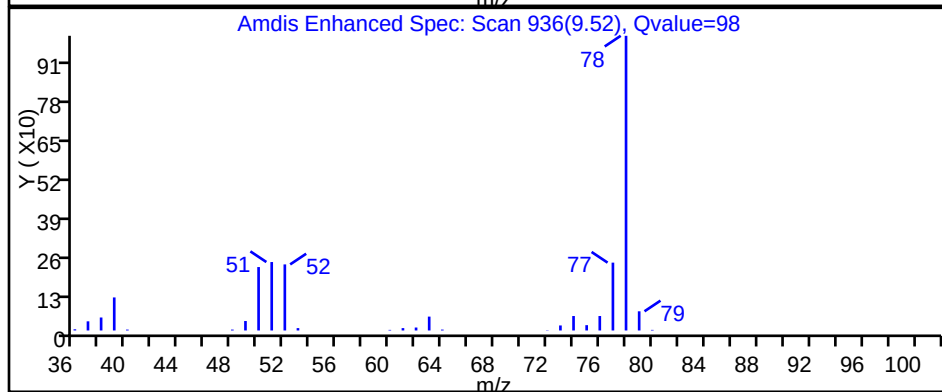
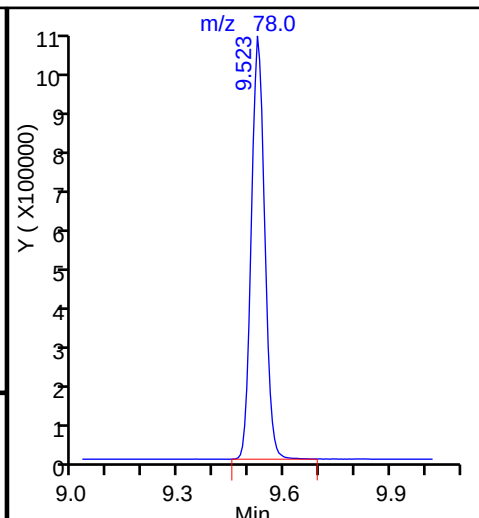
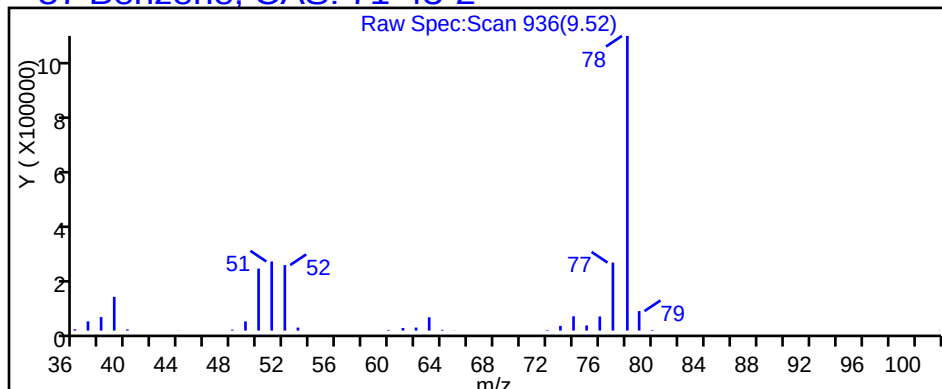
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0905.D

Injection Date: 03-Oct-2016 21:55:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-21

Lab Sample ID: 480-106799-21

Client ID: 4009-29I

Operator ID: SY

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 5.000 mL

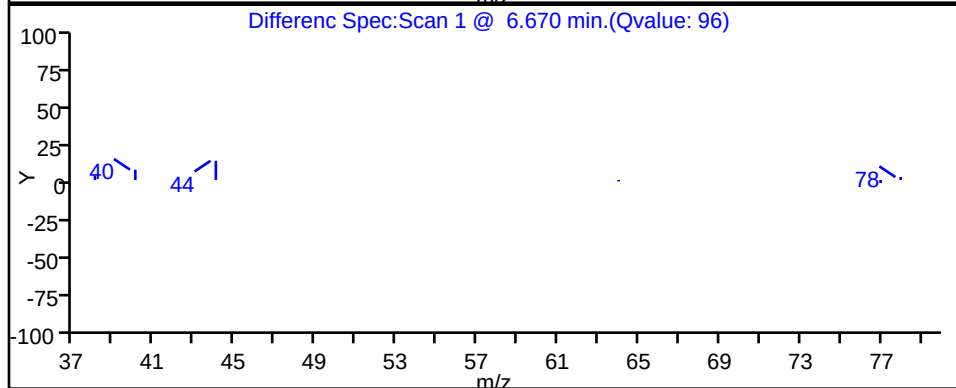
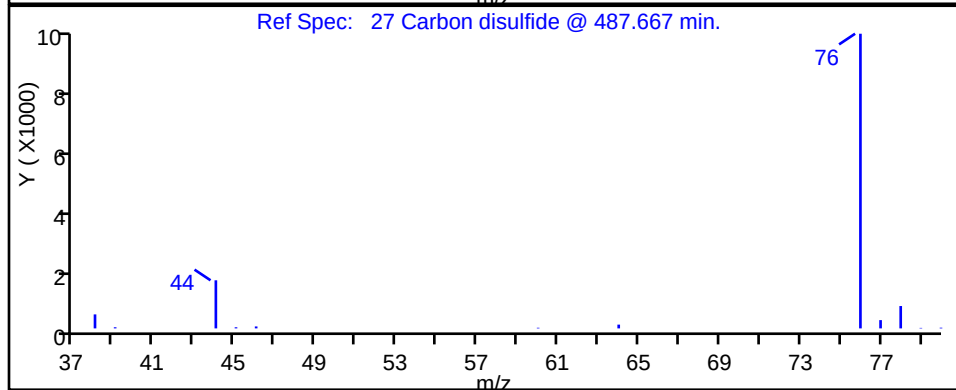
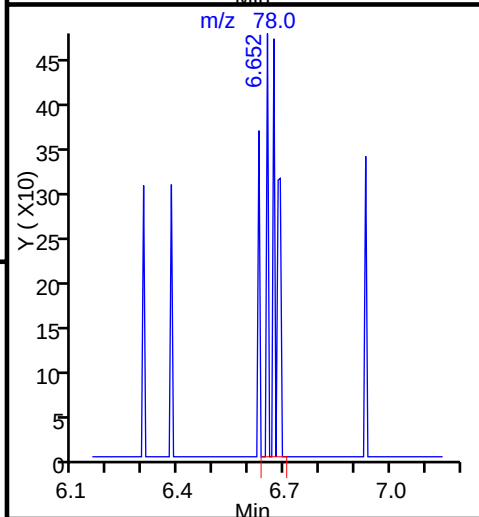
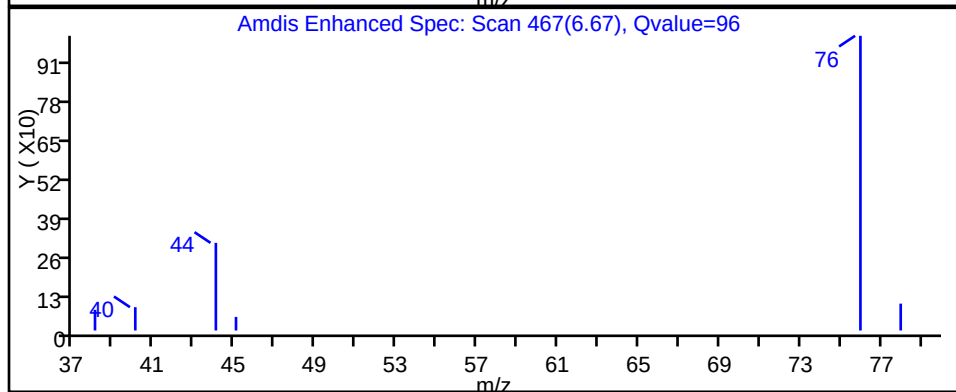
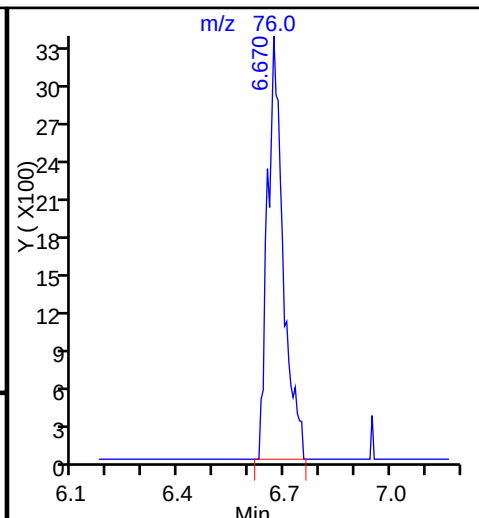
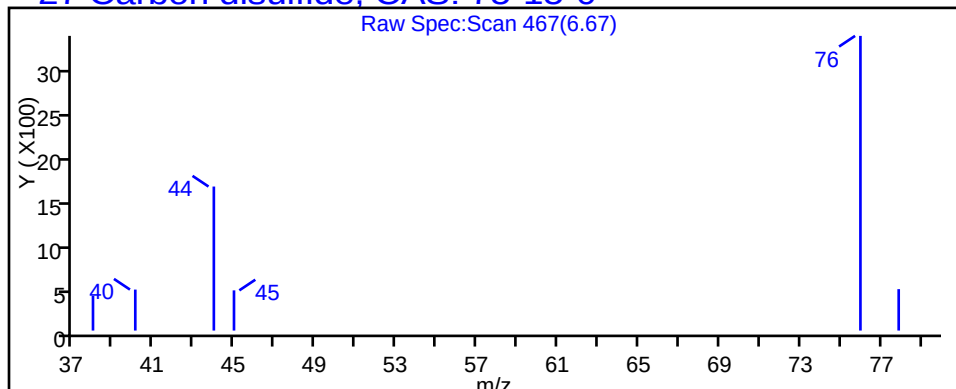
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

27 Carbon disulfide, CAS: 75-15-0

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0905.D

Injection Date: 03-Oct-2016 21:55:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-21

Lab Sample ID: 480-106799-21

Client ID: 4009-29I

Operator ID: SY

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

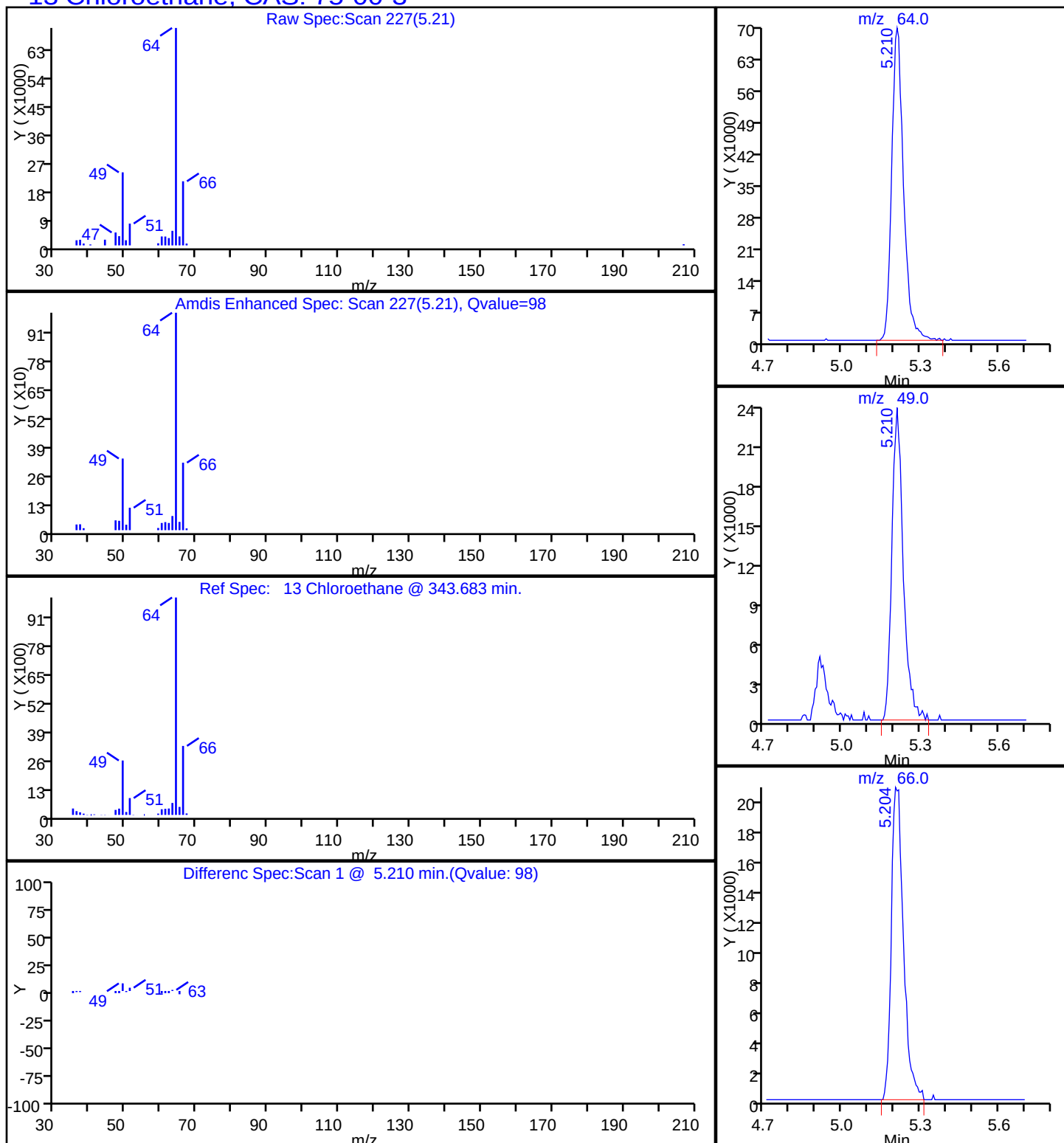
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector MS SCAN

13 Chloroethane, CAS: 75-00-3



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0905.D

Injection Date: 03-Oct-2016 21:55:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-21

Lab Sample ID: 480-106799-21

Client ID: 4009-291

Operator ID: SY

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 5.000 mL

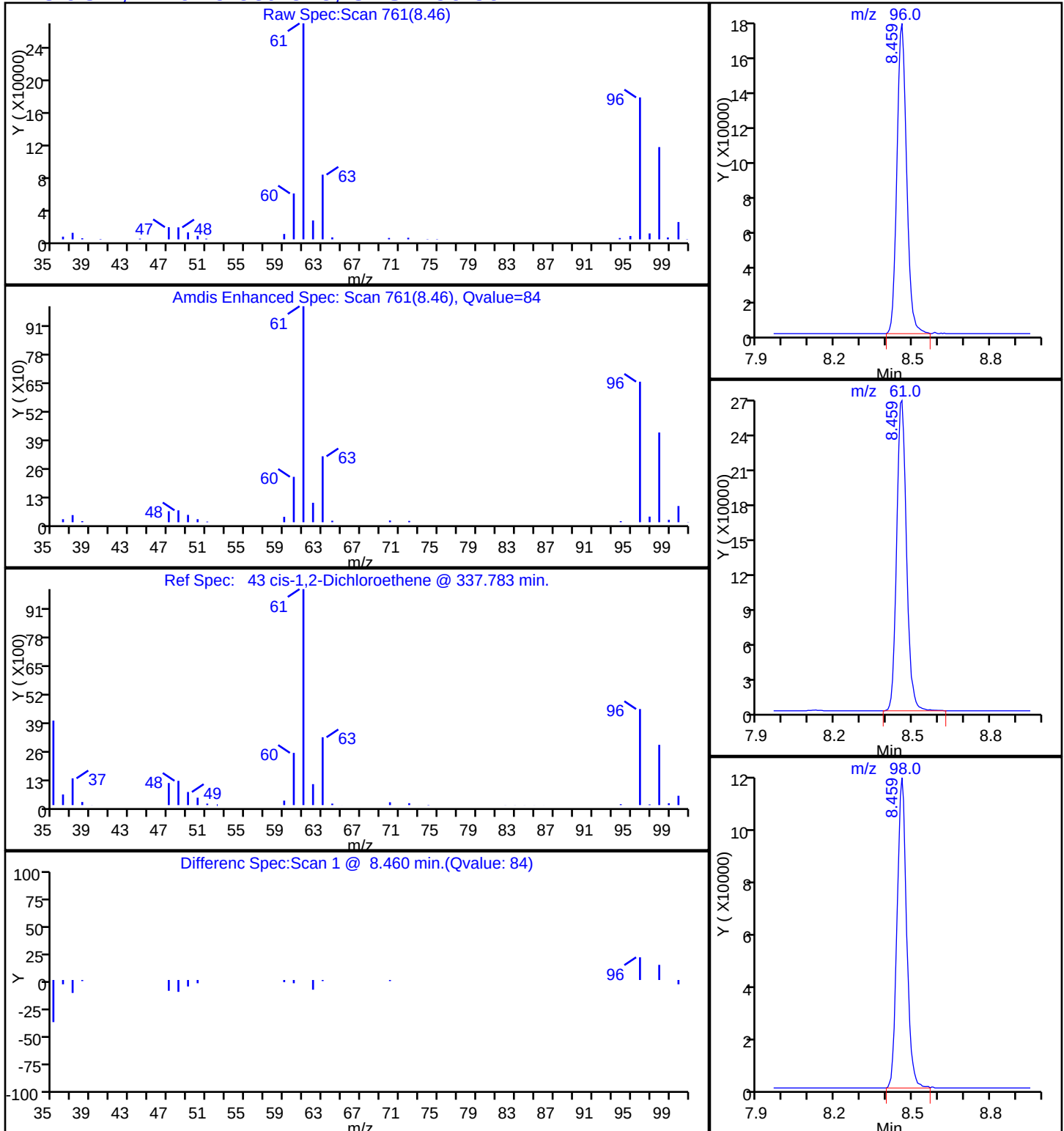
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0905.D

Injection Date: 03-Oct-2016 21:55:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-21

Lab Sample ID: 480-106799-21

Client ID: 4009-29I

Operator ID: SY

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

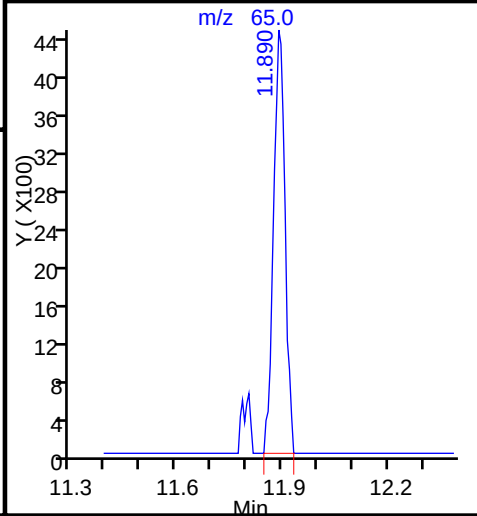
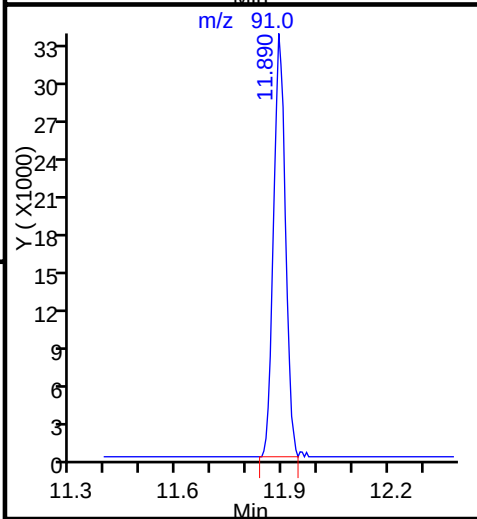
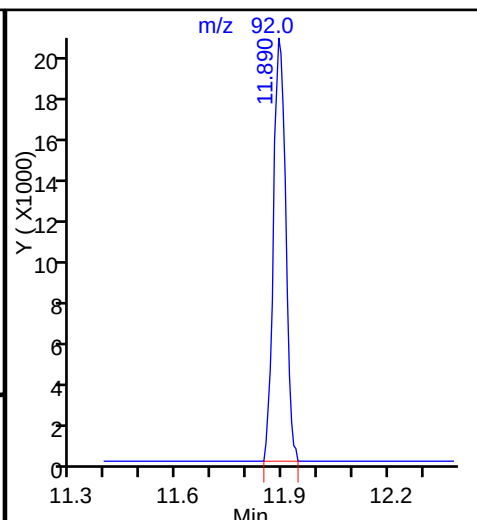
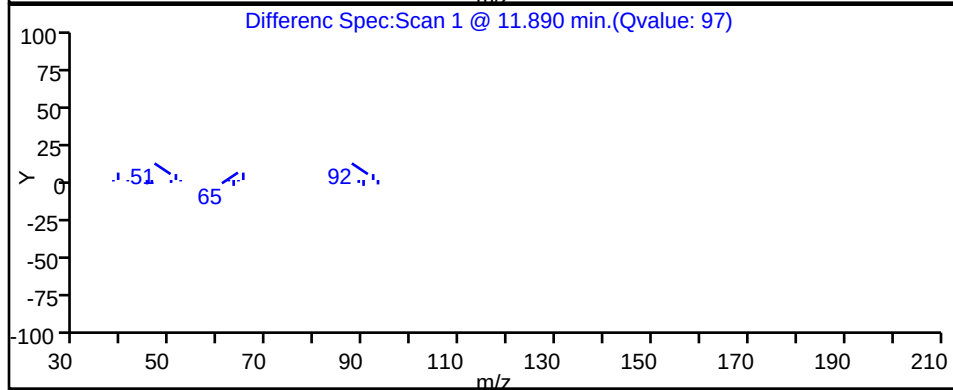
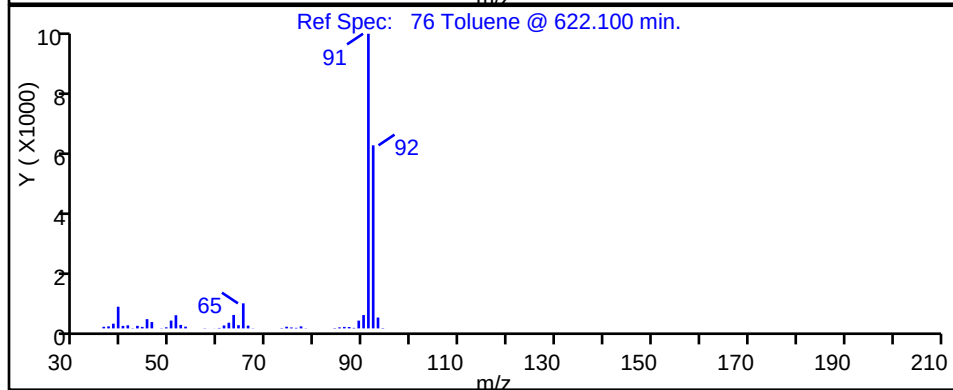
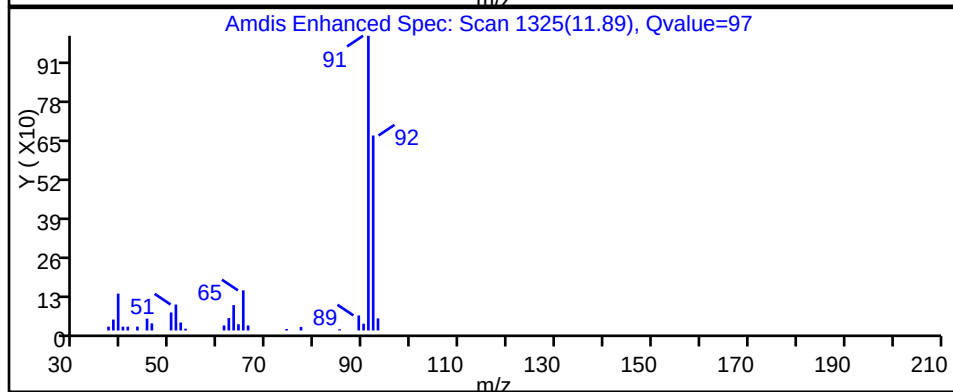
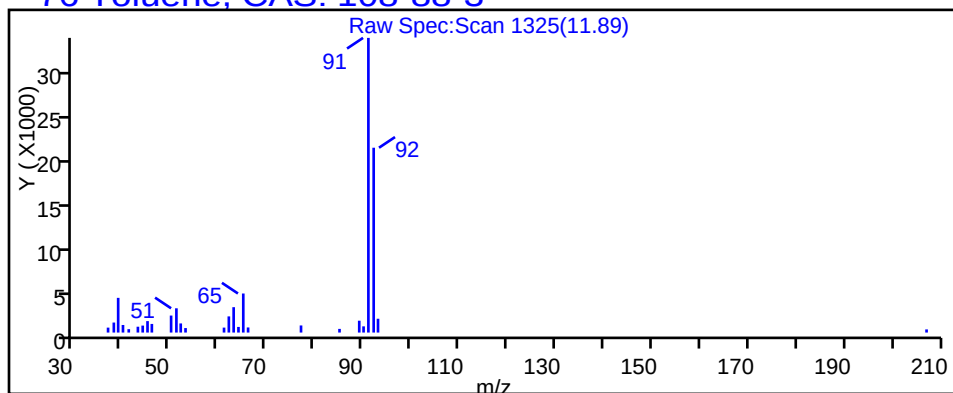
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

76 Toluene, CAS: 108-88-3



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0905.D

Injection Date: 03-Oct-2016 21:55:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-21

Lab Sample ID: 480-106799-21

Client ID: 4009-291

Operator ID: SY

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 5.000 mL

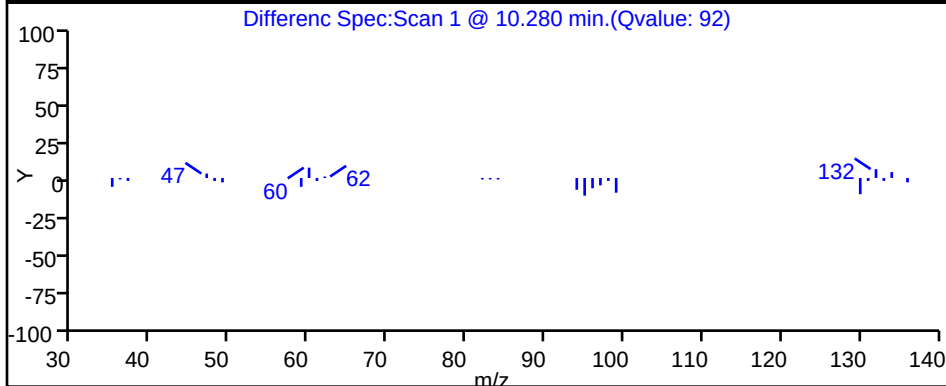
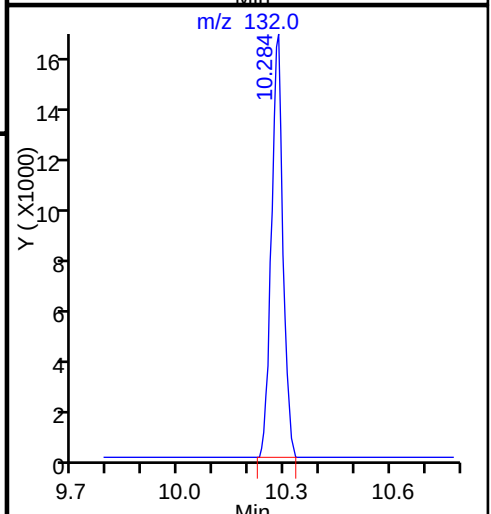
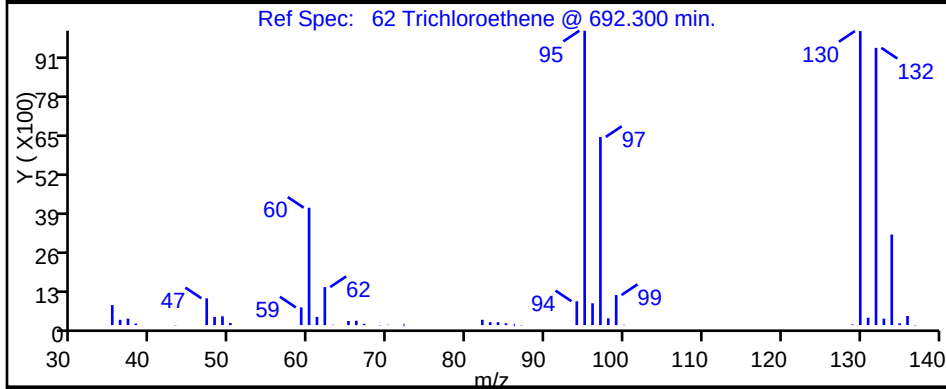
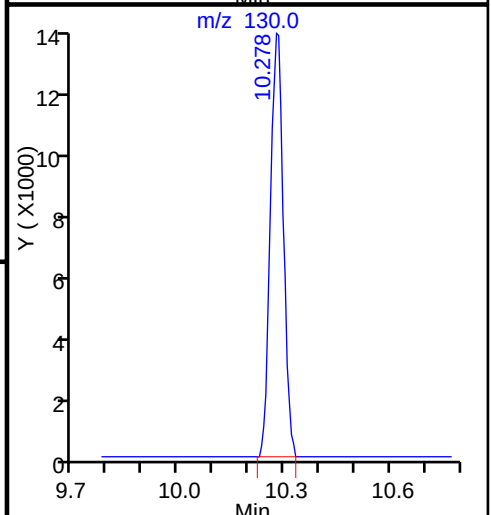
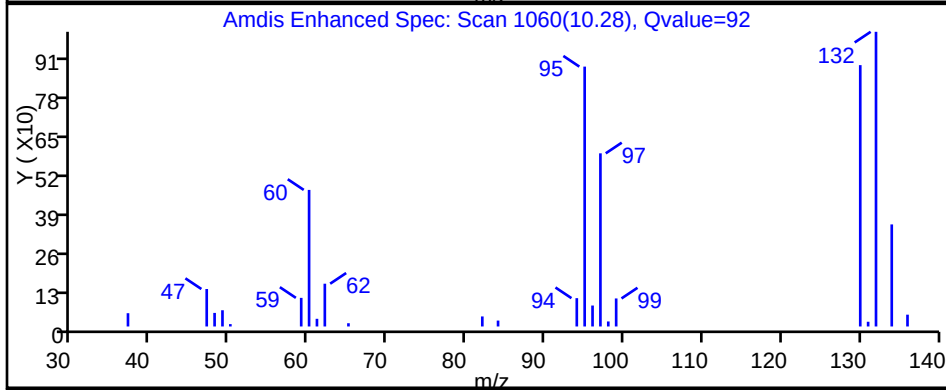
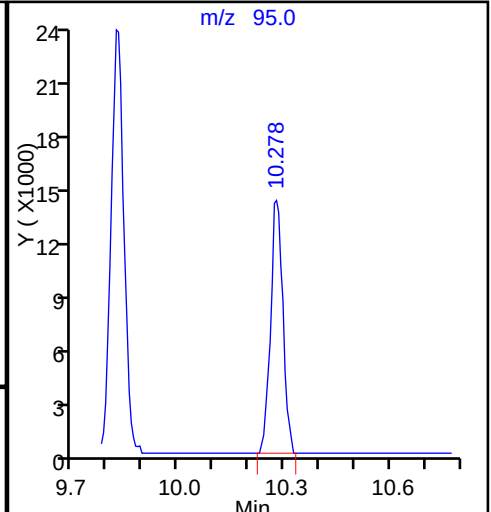
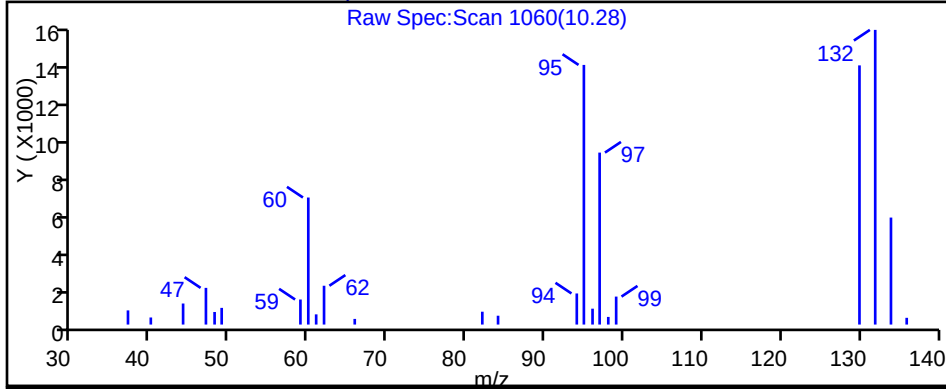
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0905.D

Injection Date: 03-Oct-2016 21:55:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-21

Lab Sample ID: 480-106799-21

Client ID: 4009-29I

Operator ID: SY

ALS Bottle#: 9

Worklist Smp#: 9

Purge Vol: 5.000 mL

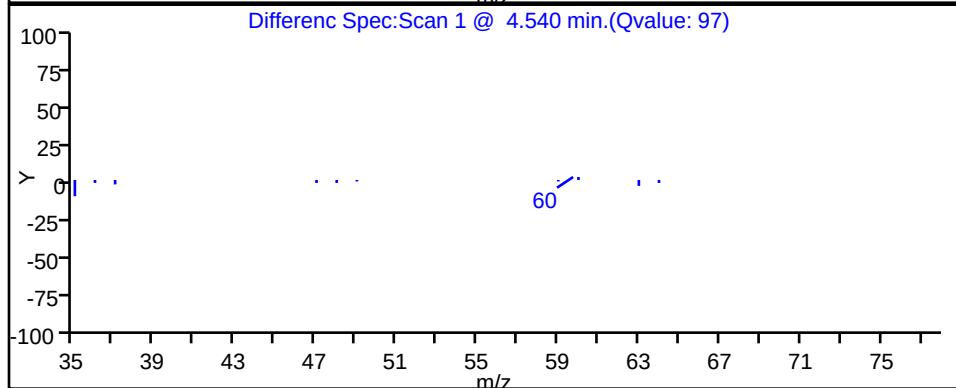
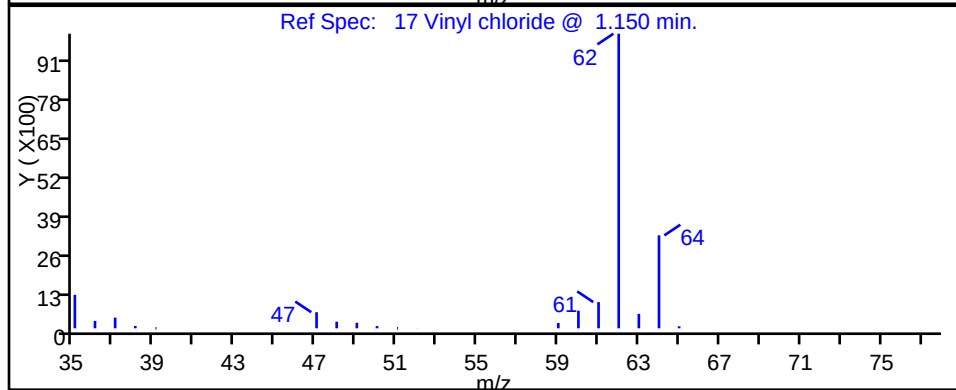
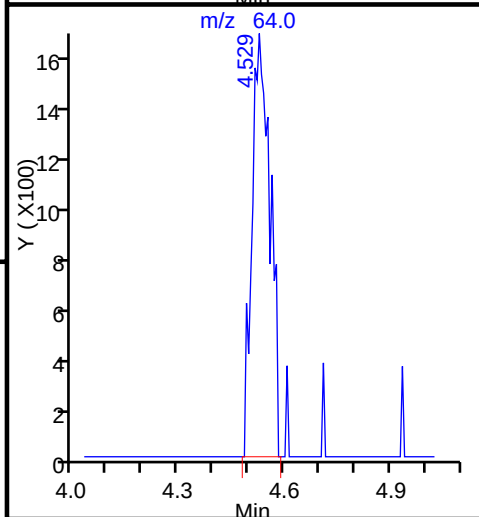
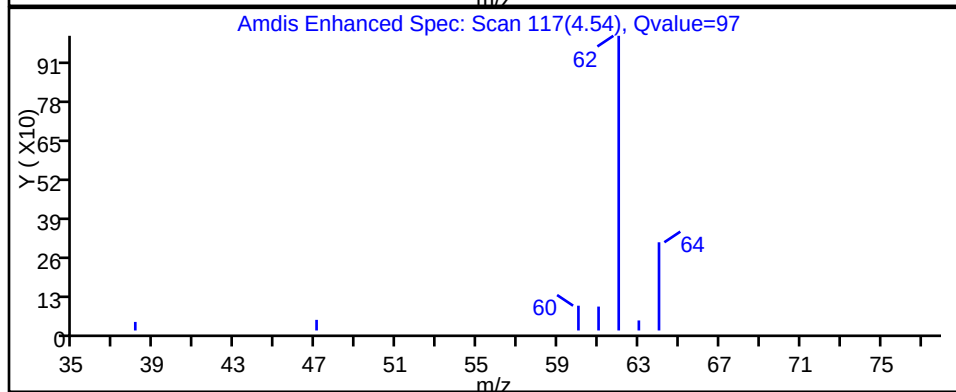
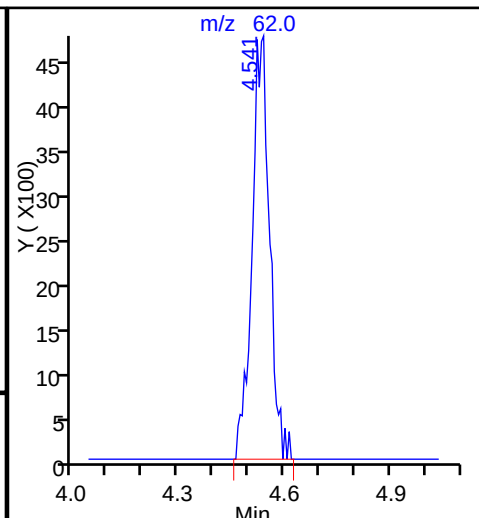
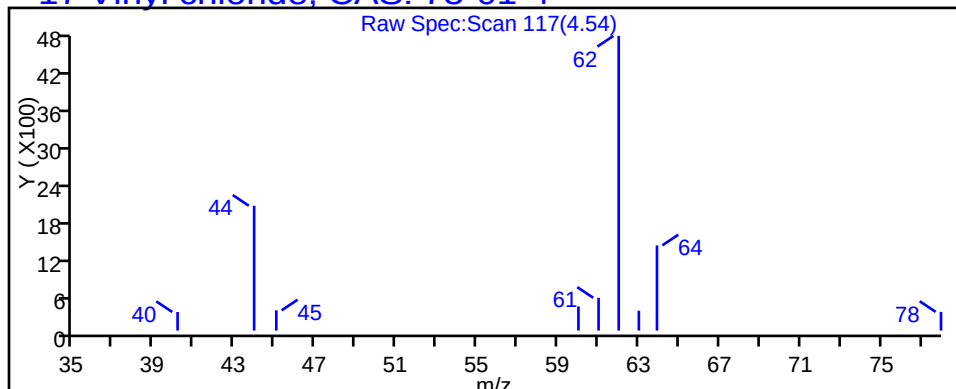
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

17 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-29D</u>	Lab Sample ID: <u>480-106799-22</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0853.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 09:55</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 16:50</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	14		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	3.7		1.0	0.38
75-35-4	1,1-Dichloroethene	1.1		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	2.0		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	5.4		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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-29D</u>	Lab Sample ID: <u>480-106799-22</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0853.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 09:55</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 16:50</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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	1.8		1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	6.5		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)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123
2037-26-5	Toluene-d8 (Surr)	89		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0853.D
 Lims ID: 480-106799-A-22
 Client ID: 4009-29D
 Sample Type: Client
 Inject. Date: 01-Oct-2016 16:50:30 ALS Bottle#: 17 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-22
 Misc. Info.: 480-0056898-017
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 18:59:09 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 18:59:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.827	0.000	98	127490	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	254218	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	97	292059	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	151774	24.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	90546	22.2	
\$ 5 Toluene-d8 (Surr)	98	11.805	11.798	0.007	93	502793	22.3	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	195787	25.3	
10 Dichlorodifluoromethane	85		3.993				ND	
11 Chloromethane	50		4.304				ND	
17 Vinyl chloride	62	4.529	4.535	-0.006	98	52439	6.52	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64	5.216	5.204	0.012	94	8673	2.02	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.238	6.238	0.000	1	1563	0.1589	7
25 1,1-Dichloroethene	96	6.299	6.287	0.012	96	9452	1.10	
24 Acetone	43	6.329	6.329	0.000	65	3336	0.6372	7
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.913				ND	
32 Methyl tert-butyl ether	73	7.199	7.199	0.030	1	2549	0.0877	7
35 trans-1,2-Dichloroethene	96		7.236				ND	
40 1,1-Dichloroethane	63	7.765	7.753	0.012	97	70544	3.72	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96	8.459	8.453	0.006	84	53451	5.43	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97	9.079	9.073	0.006	98	199126	14.5	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78		9.523				ND	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95	10.278	10.272	0.006	92	16675	1.77	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.515				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.151				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.241				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0853.D

Injection Date: 01-Oct-2016 16:50:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: 480-106799-A-22

Lab Sample ID: 480-106799-22

Worklist Smp#: 17

Client ID: 4009-29D

Purge Vol: 5.000 mL

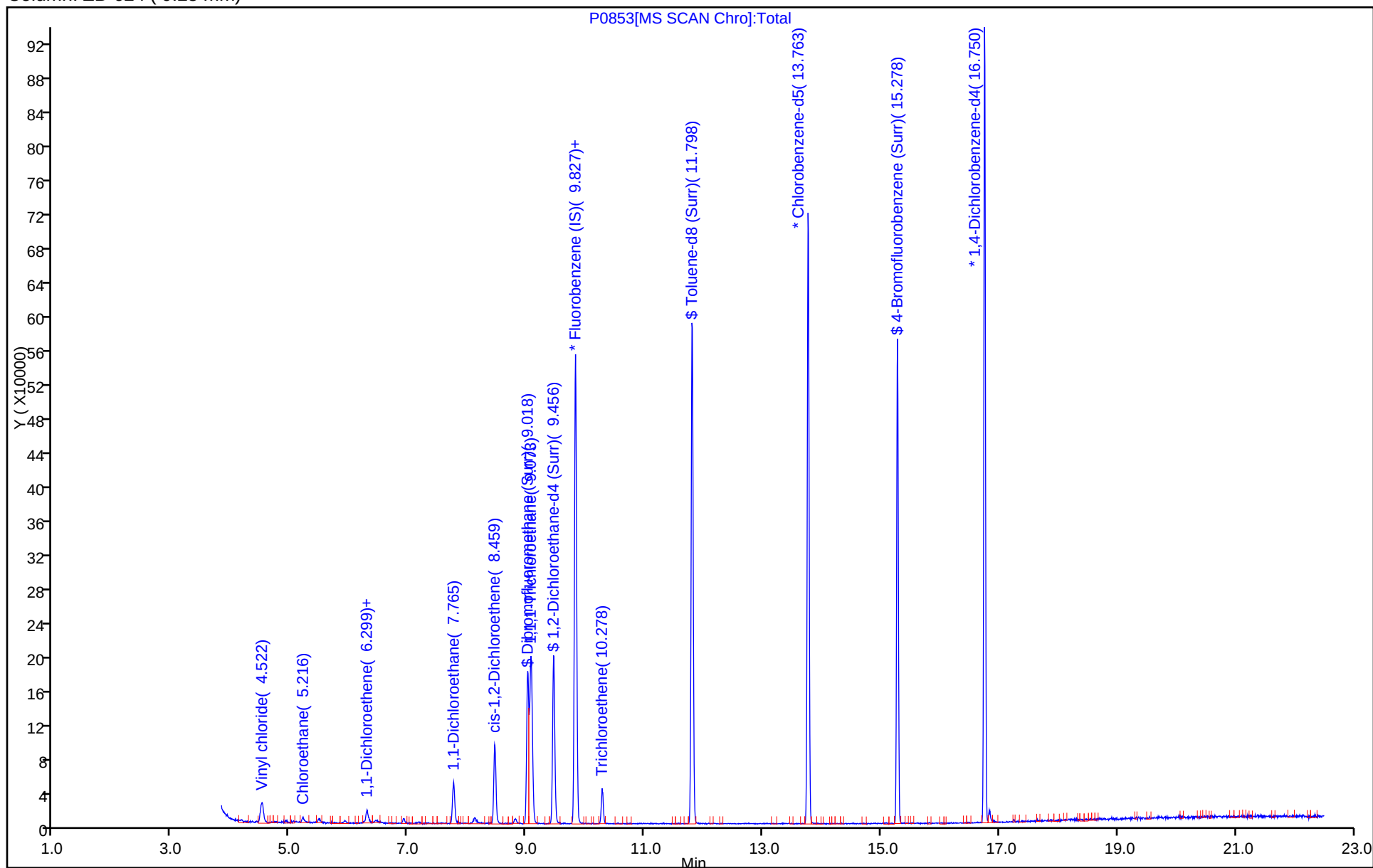
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0853.D

Injection Date: 01-Oct-2016 16:50:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-22

Lab Sample ID: 480-106799-22

Client ID: 4009-29D

Operator ID: gtg

ALS Bottle#: 17

Worklist Smp#: 17

Purge Vol: 5.000 mL

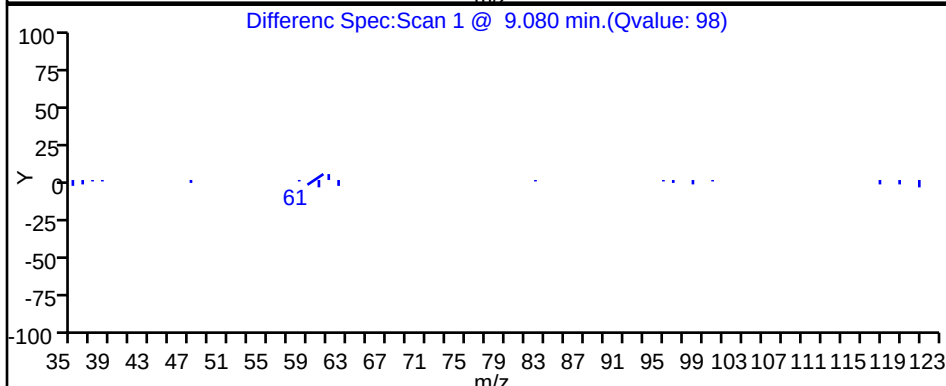
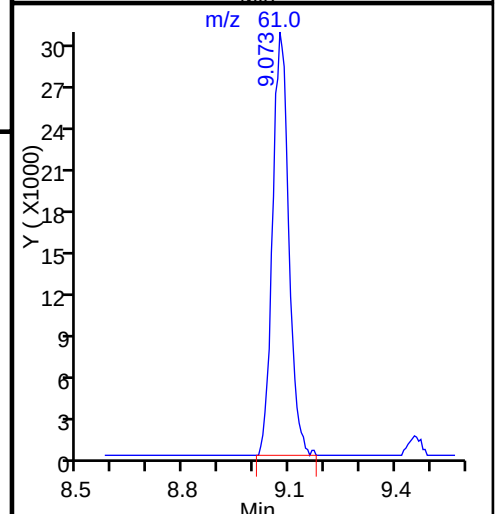
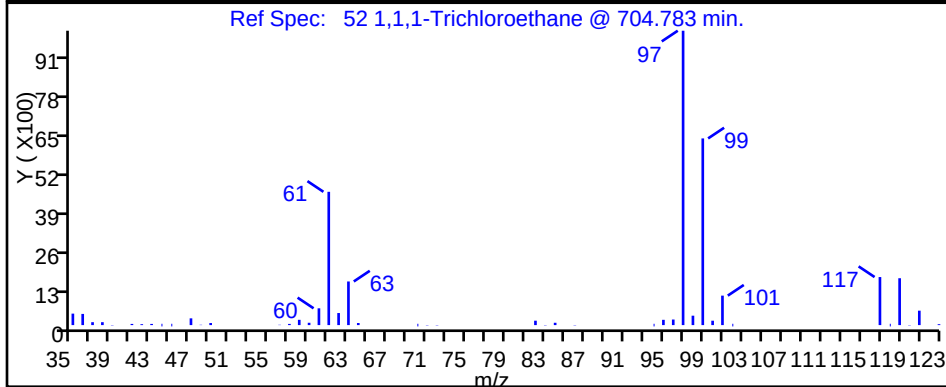
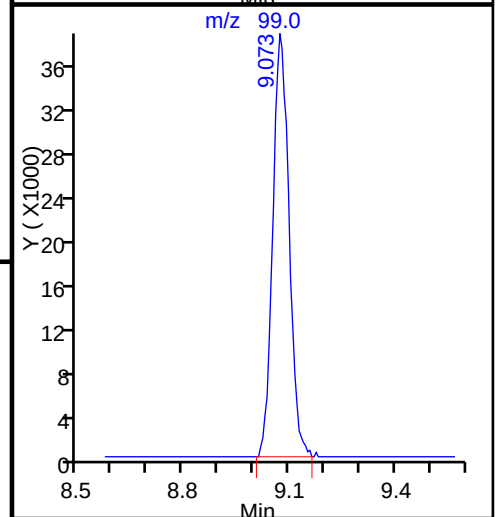
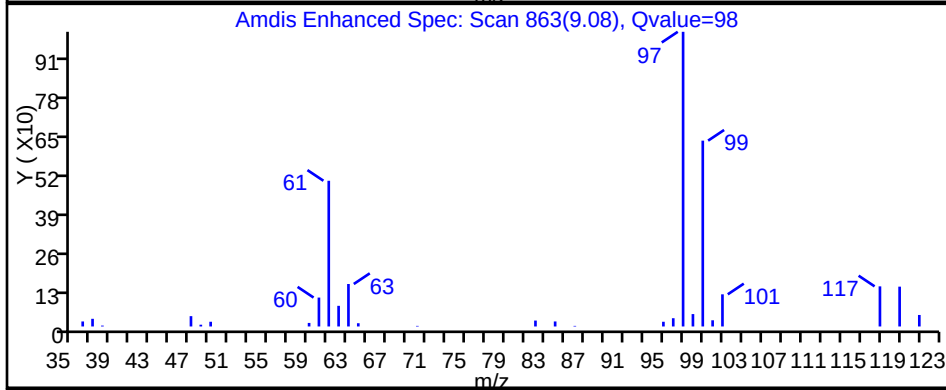
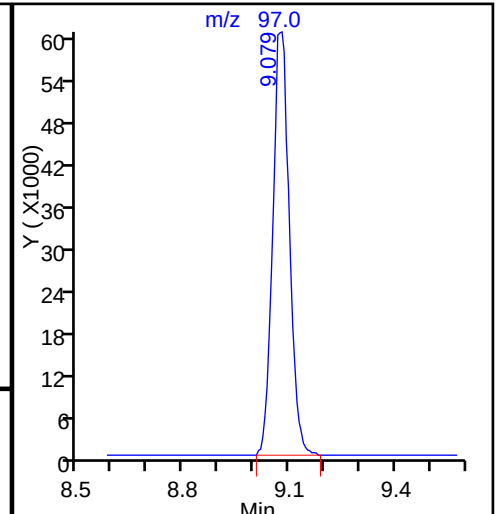
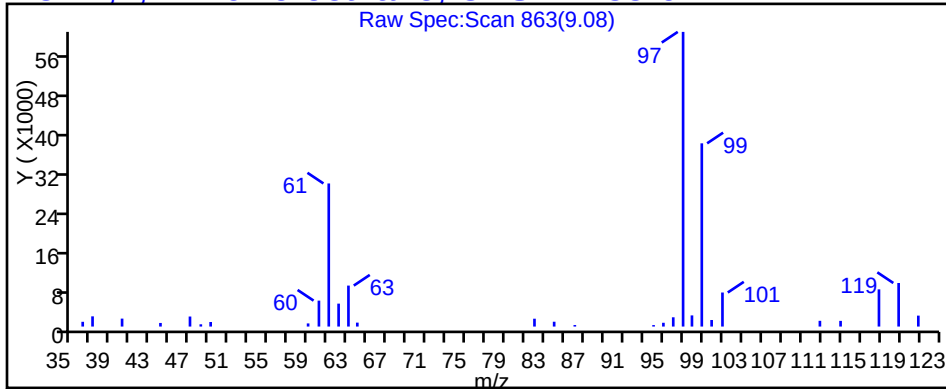
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

52 1,1,1-Trichloroethane, CAS: 71-55-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0853.D

Injection Date: 01-Oct-2016 16:50:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-22

Lab Sample ID: 480-106799-22

Client ID: 4009-29D

Operator ID: gtg

ALS Bottle#: 17

Worklist Smp#: 17

Purge Vol: 5.000 mL

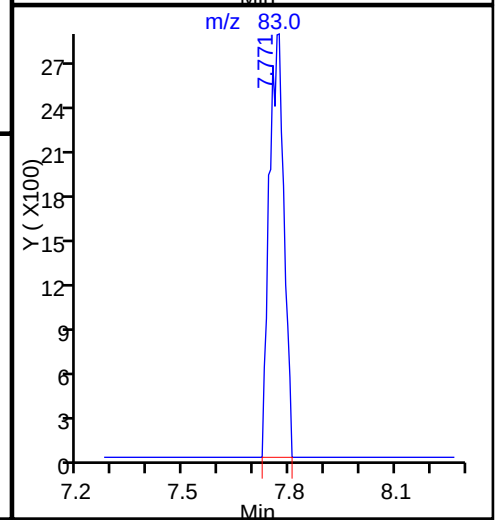
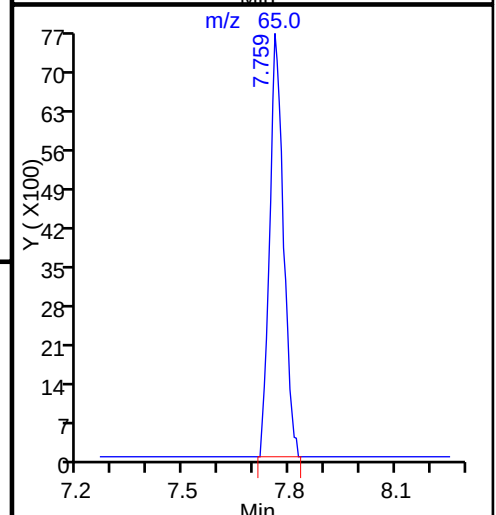
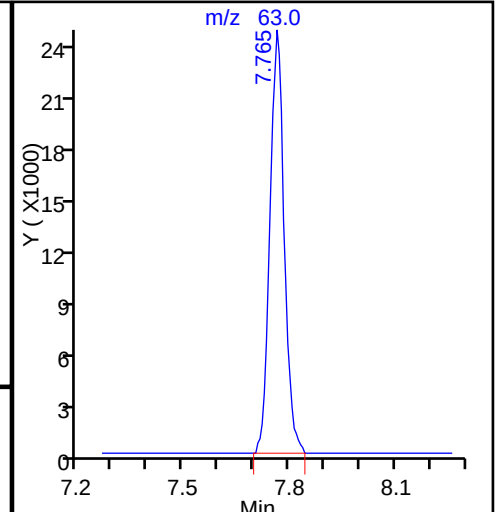
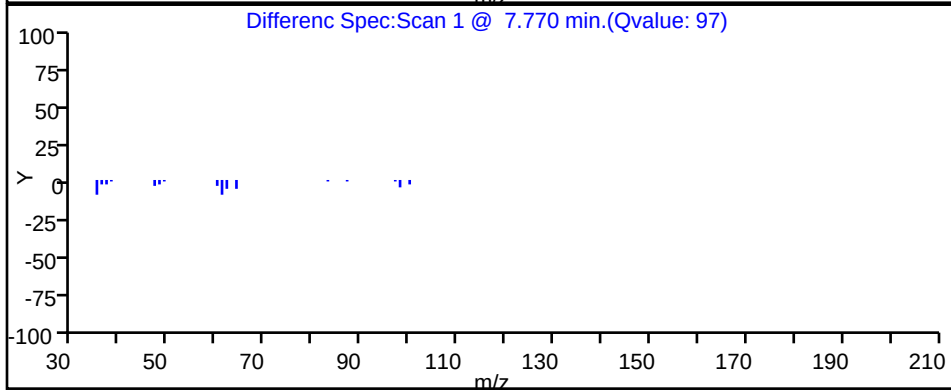
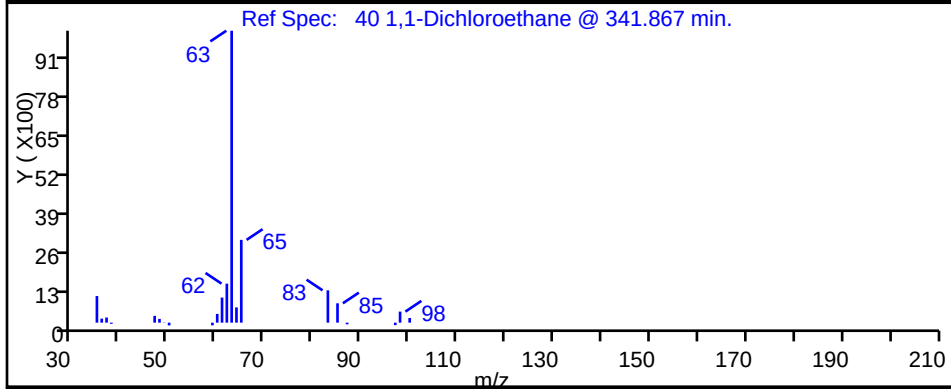
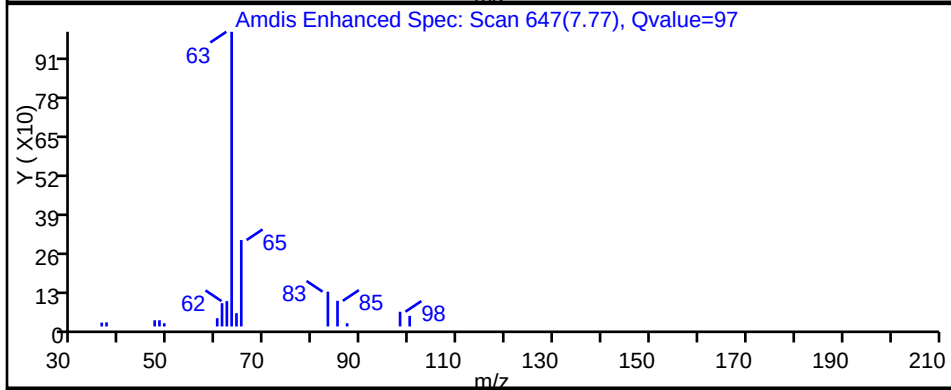
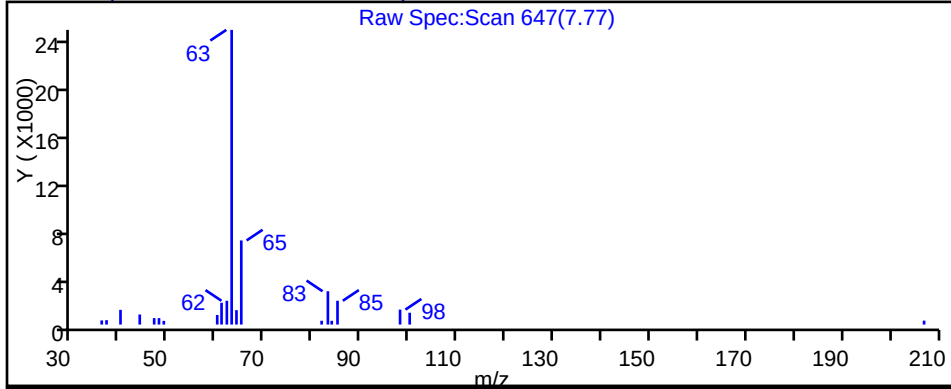
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

40 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0853.D

Injection Date: 01-Oct-2016 16:50:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-22

Lab Sample ID: 480-106799-22

Client ID: 4009-29D

Operator ID: gtg

ALS Bottle#: 17

Worklist Smp#: 17

Purge Vol: 5.000 mL

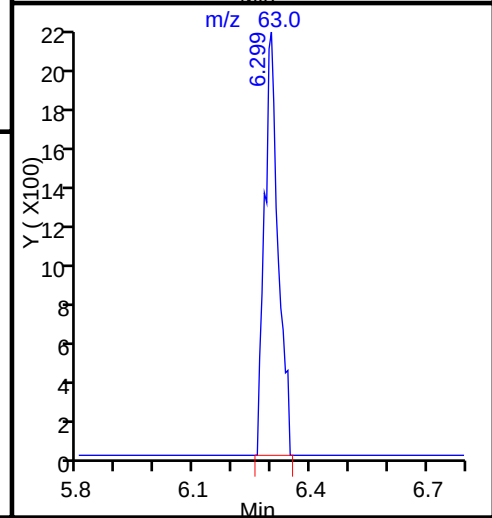
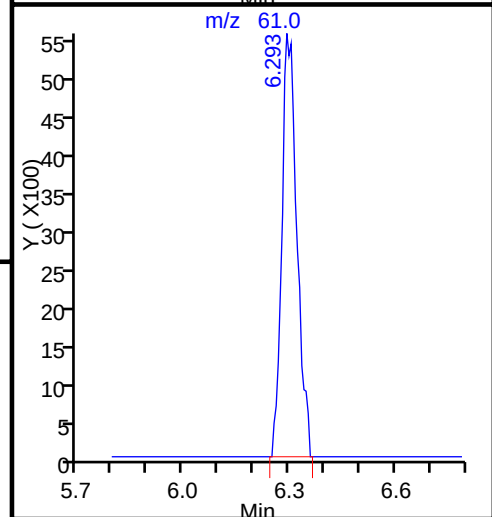
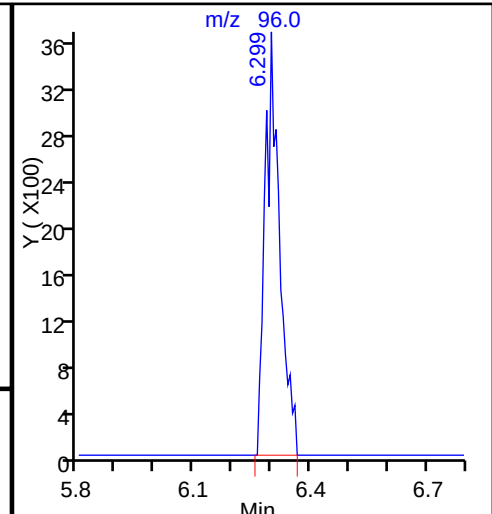
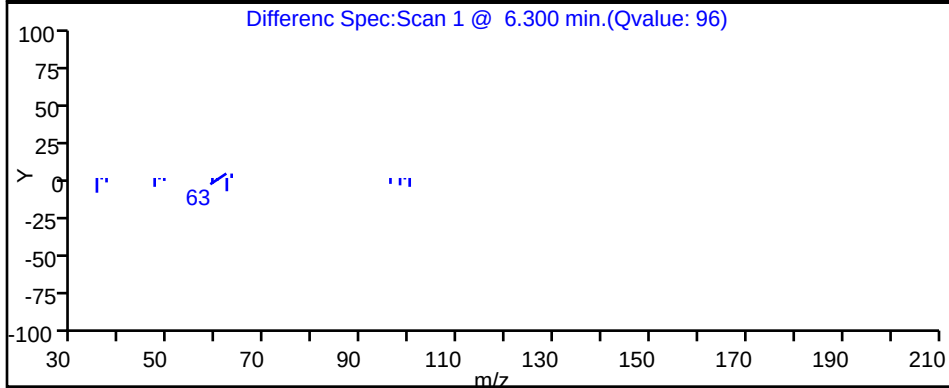
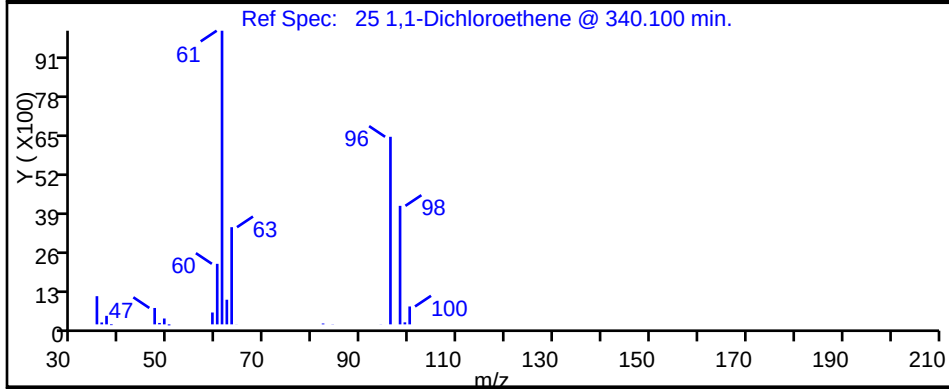
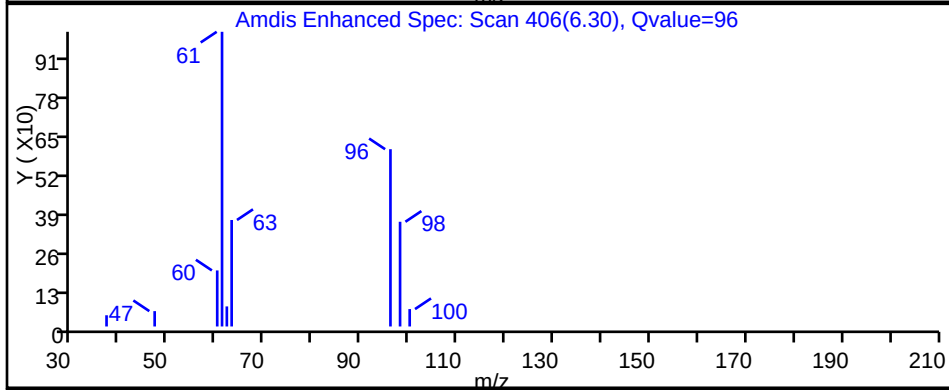
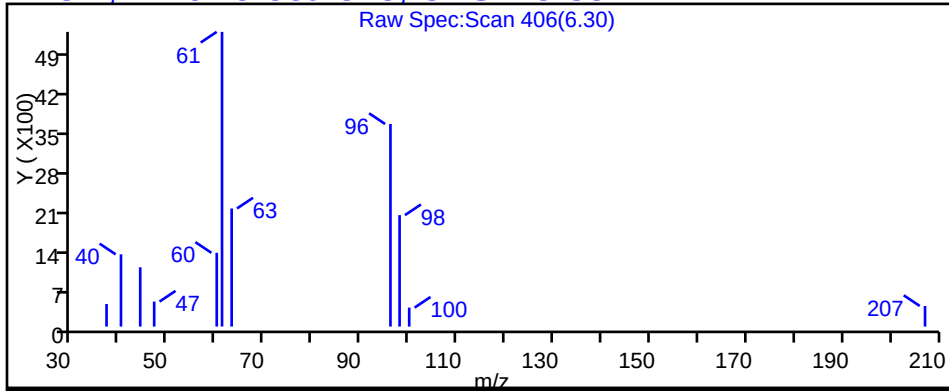
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 1,1-Dichloroethene, CAS: 75-35-4

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0853.D

Injection Date: 01-Oct-2016 16:50:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-22

Lab Sample ID: 480-106799-22

Client ID: 4009-29D

Operator ID: gtg

ALS Bottle#: 17

Worklist Smp#: 17

Purge Vol: 5.000 mL

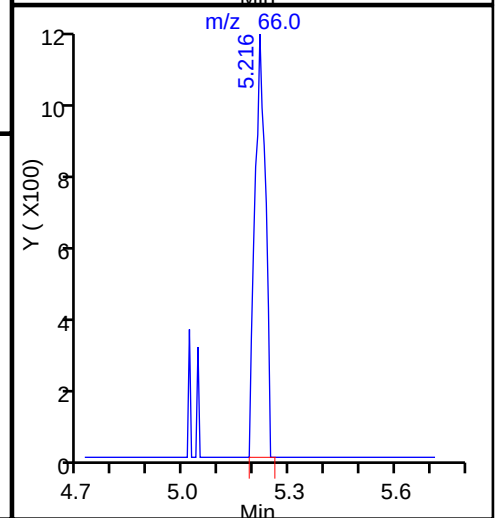
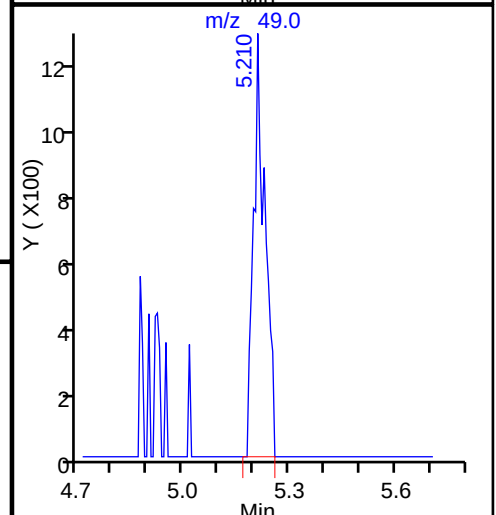
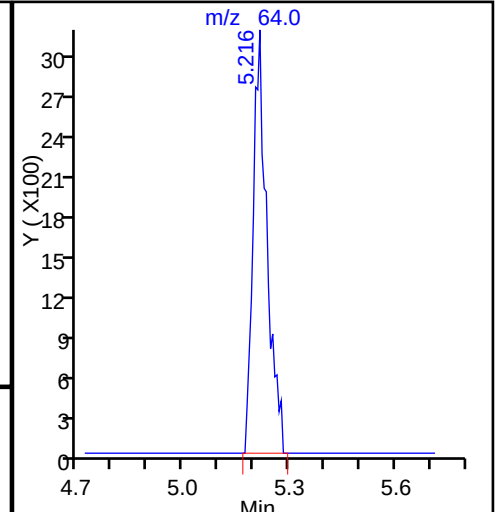
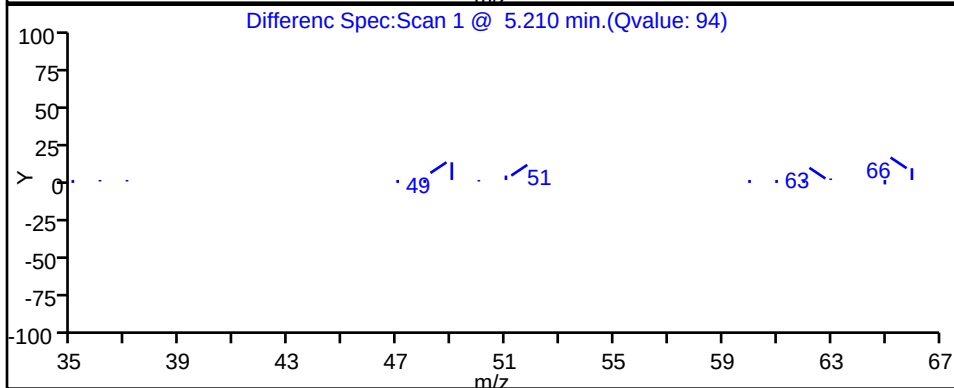
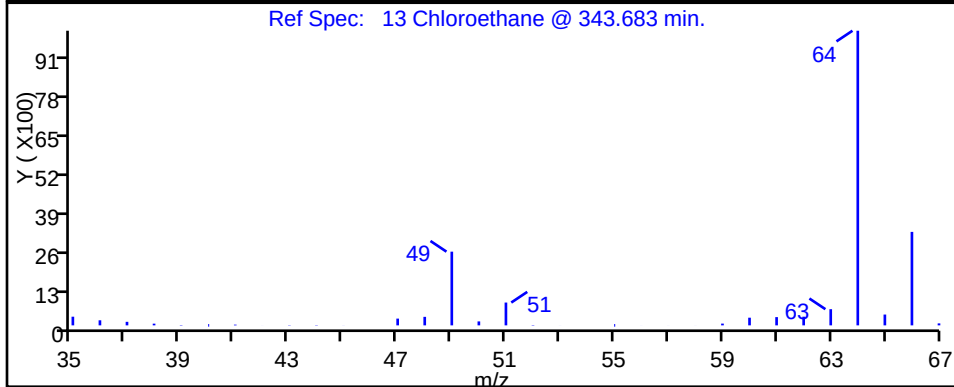
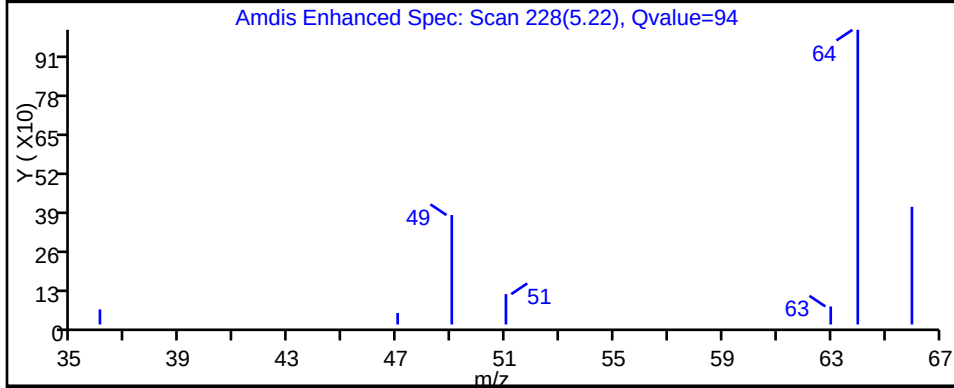
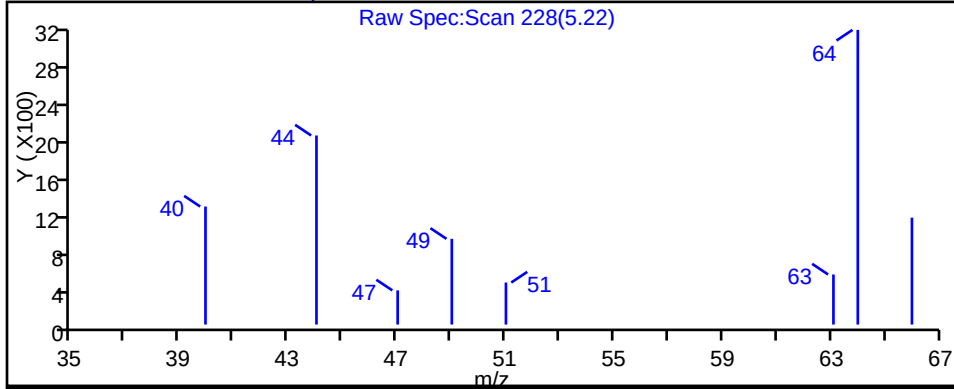
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

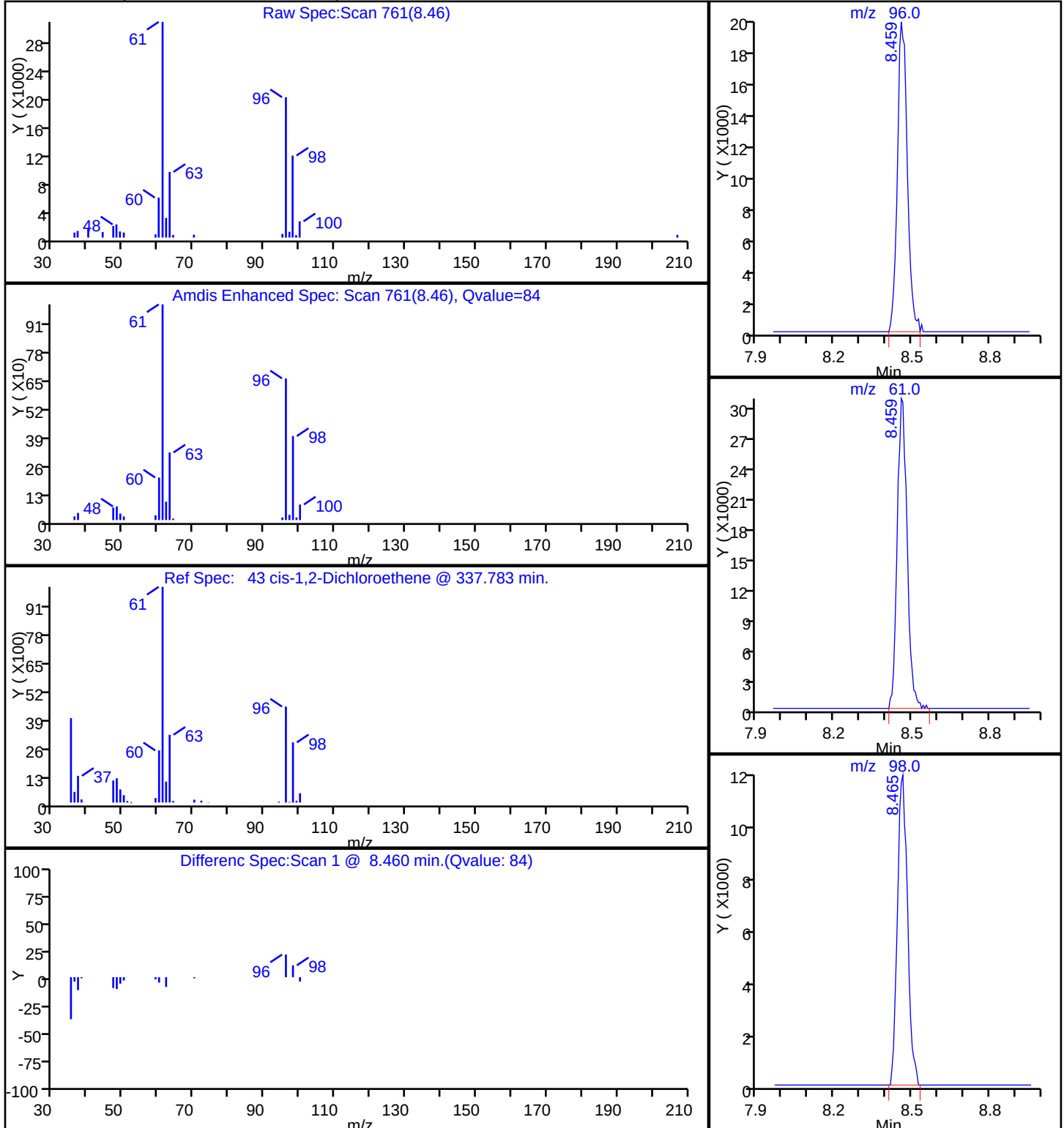
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0853.D
Injection Date: 01-Oct-2016 16:50:30 Instrument ID: HP5973P
Lims ID: 480-106799-A-22 Lab Sample ID: 480-106799-22
Client ID: 4009-29D
Operator ID: gtg ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0853.D

Injection Date: 01-Oct-2016 16:50:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-22

Lab Sample ID: 480-106799-22

Client ID: 4009-29D

Operator ID: gtg

ALS Bottle#: 17

Worklist Smp#: 17

Purge Vol: 5.000 mL

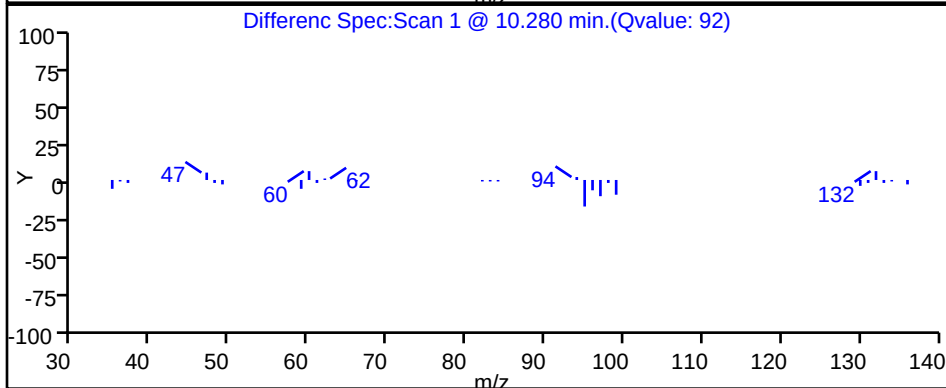
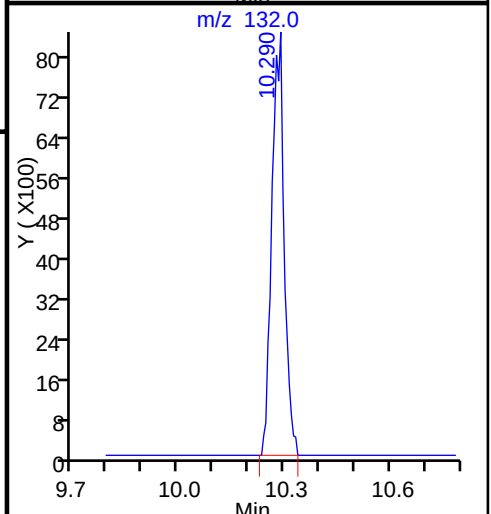
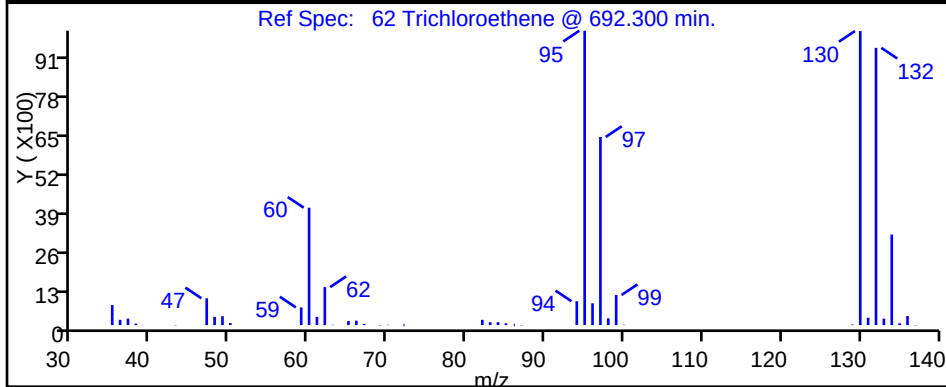
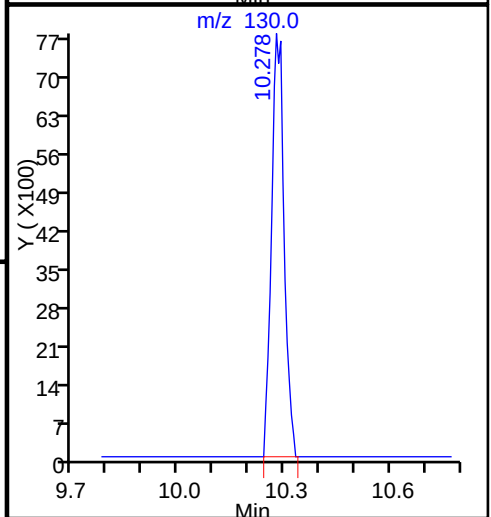
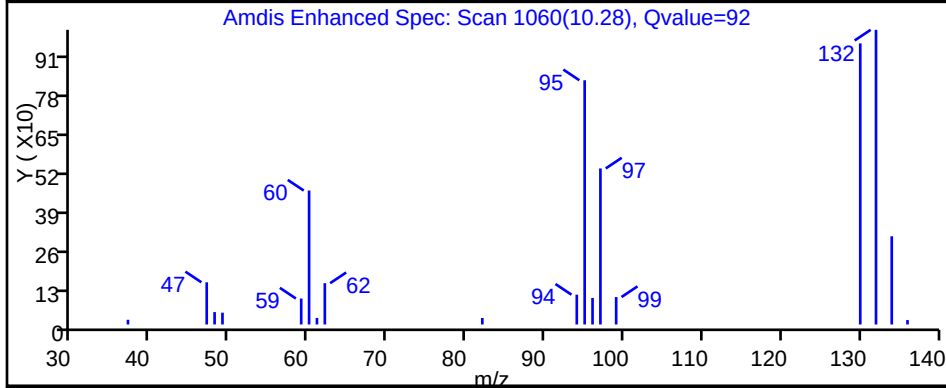
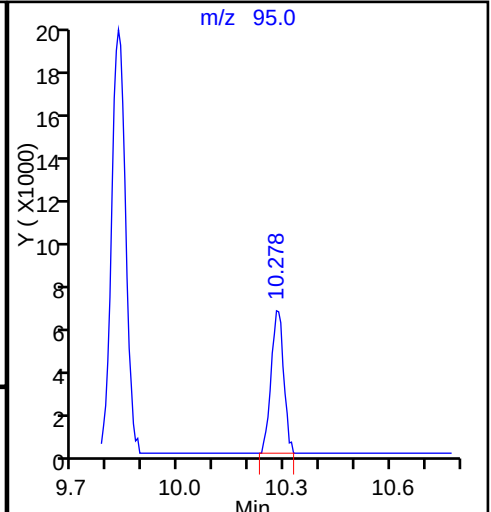
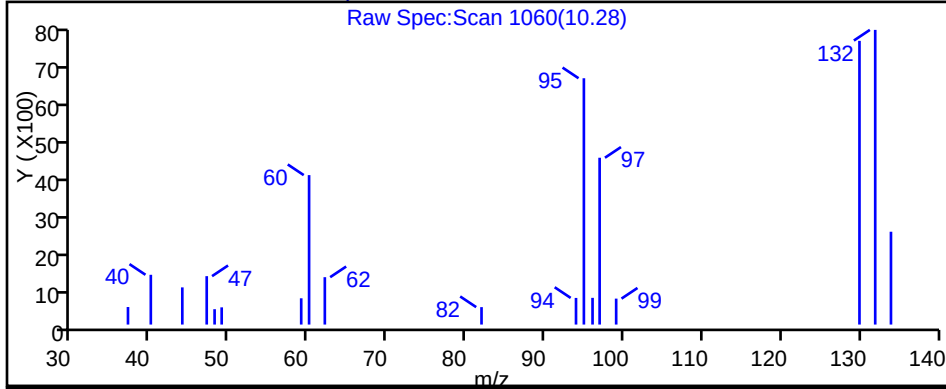
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0853.D

Injection Date: 01-Oct-2016 16:50:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-22

Lab Sample ID: 480-106799-22

Client ID: 4009-29D

Operator ID: gtg

ALS Bottle#: 17

Worklist Smp#: 17

Purge Vol: 5.000 mL

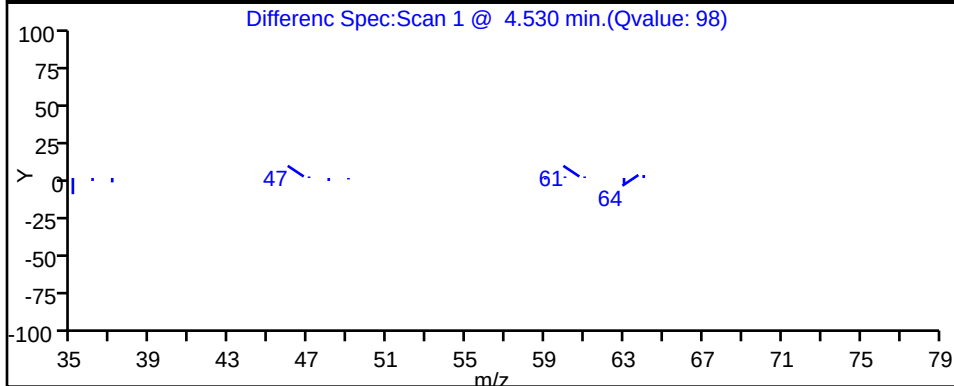
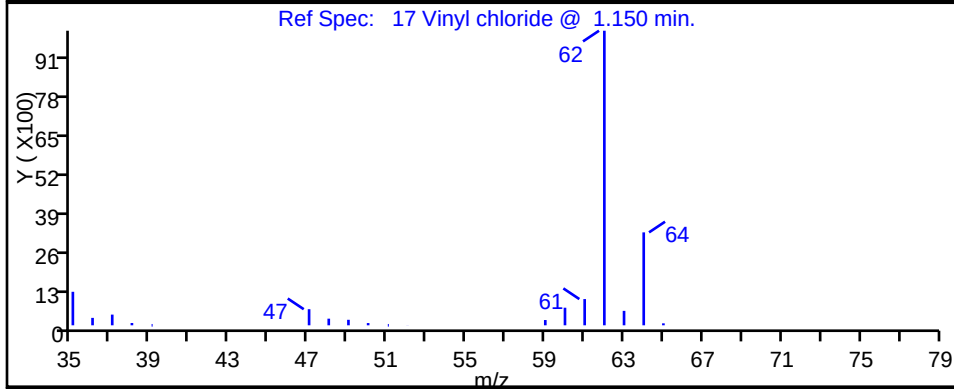
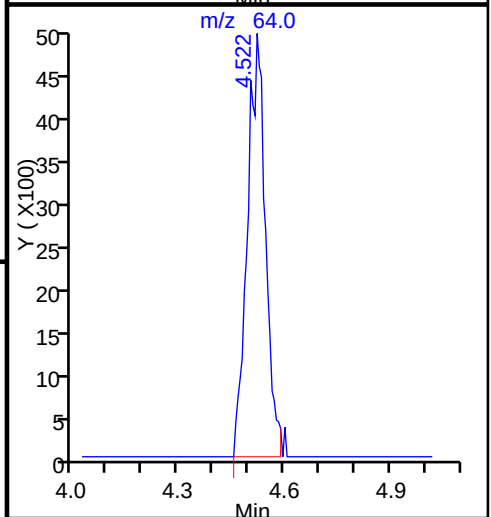
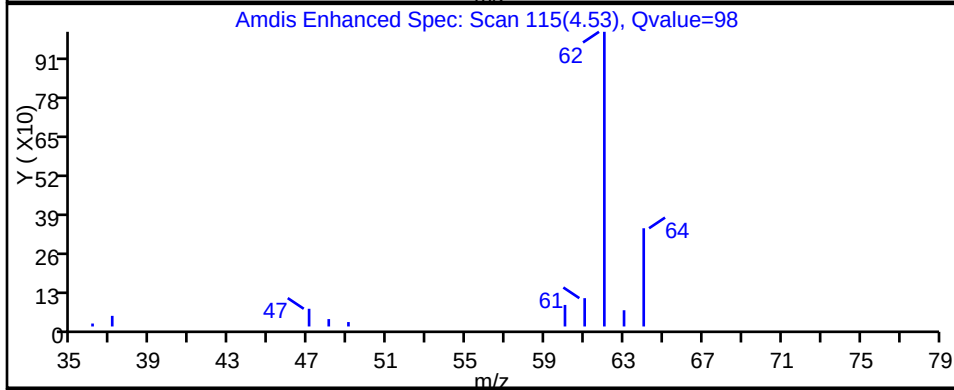
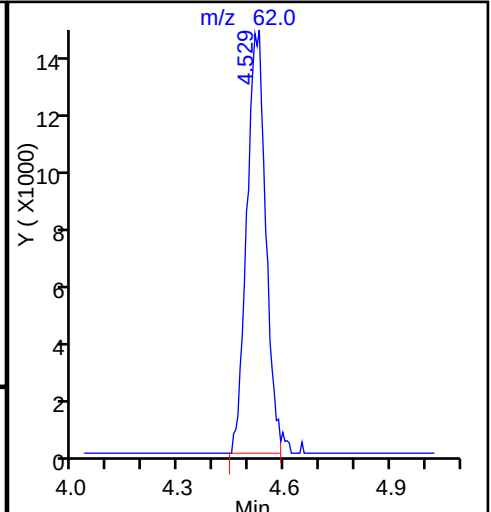
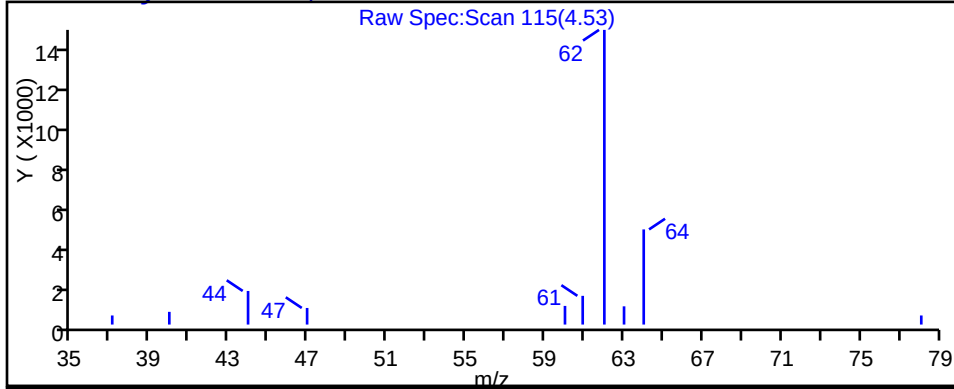
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

17 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-30</u>	Lab Sample ID: <u>480-106799-23</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0854.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 09:20</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>10/01/2016 17:17</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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	0.52	J	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	4.9	J	10	3.0
71-43-2	Benzene	0.56	J	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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: 4009-30 Lab Sample ID: 480-106799-23
 Matrix: Water Lab File ID: P0854.D
 Analysis Method: 8260C Date Collected: 09/29/2016 09:20
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 17:17
 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.: 323358 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)	87		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123
2037-26-5	Toluene-d8 (Surr)	88		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0854.D
 Lims ID: 480-106799-A-23
 Client ID: 4009-30
 Sample Type: Client
 Inject. Date: 01-Oct-2016 17:17:30 ALS Bottle#: 18 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-23
 Misc. Info.: 480-0056898-018
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 19:01:54 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 19:01:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.827	0.000	98	128150	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	257032	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	293785	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	150390	23.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	89074	21.7	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	503931	22.1	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	89	196247	25.1	
10 Dichlorodifluoromethane	85		3.993				ND	
11 Chloromethane	50		4.304				ND	
17 Vinyl chloride	62		4.535				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43	6.335	6.335	0.006	97	25819	4.91	
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.913				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.236				ND	
40 1,1-Dichloroethane	63	7.759	7.753	0.006	94	9883	0.5184	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.073				ND	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.523	9.523	0.000	97	19689	0.5640	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.515				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92	11.890	11.890	0.000	95	5831	0.2596	
78 trans-1,3-Dichloropropene	75		12.151				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.241				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO854.D

Injection Date: 01-Oct-2016 17:17:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: 480-106799-A-23

Lab Sample ID: 480-106799-23

Worklist Smp#: 18

Client ID: 4009-30

Purge Vol: 5.000 mL

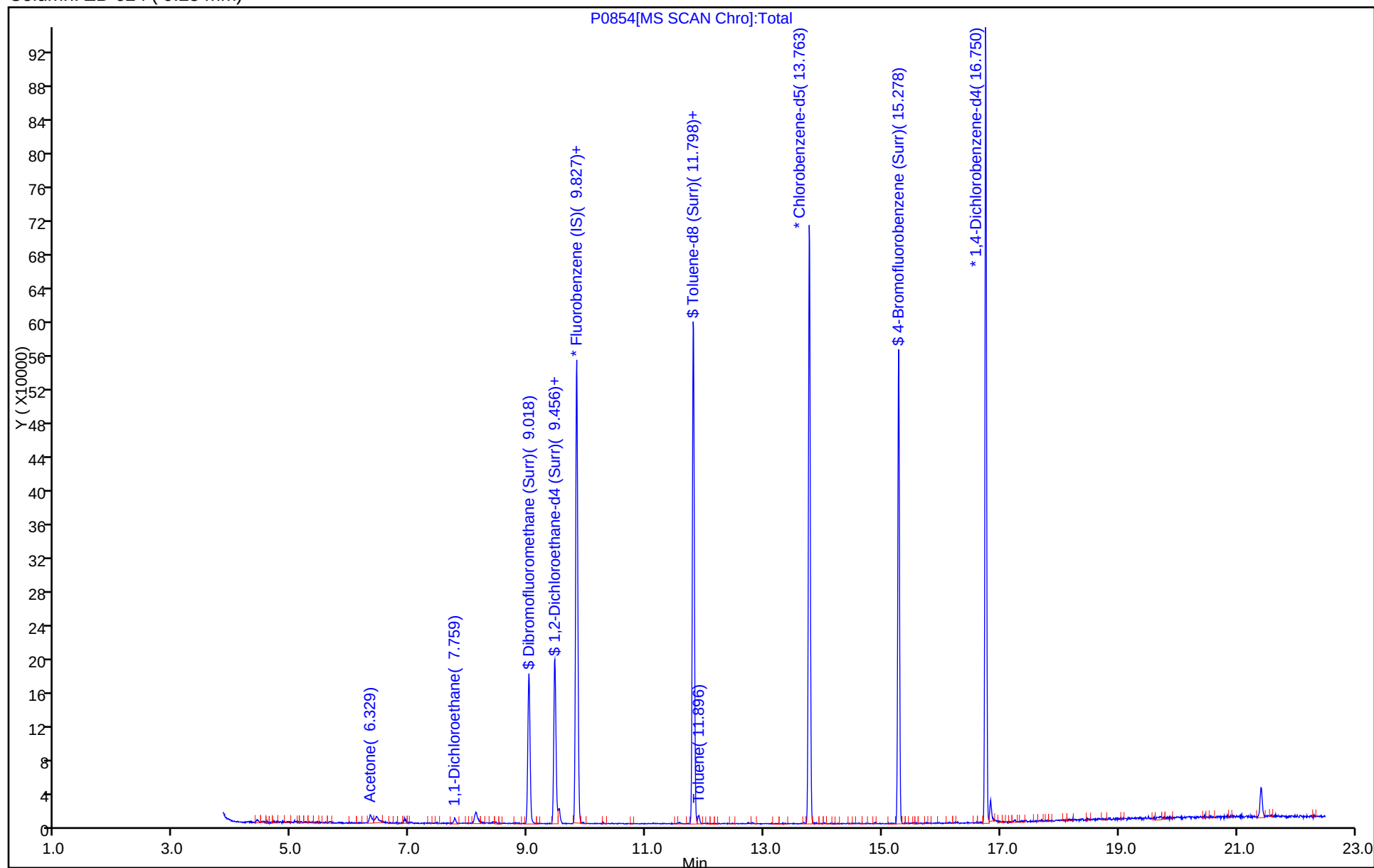
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0854.D

Injection Date: 01-Oct-2016 17:17:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-23

Lab Sample ID: 480-106799-23

Client ID: 4009-30

Operator ID: gtg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

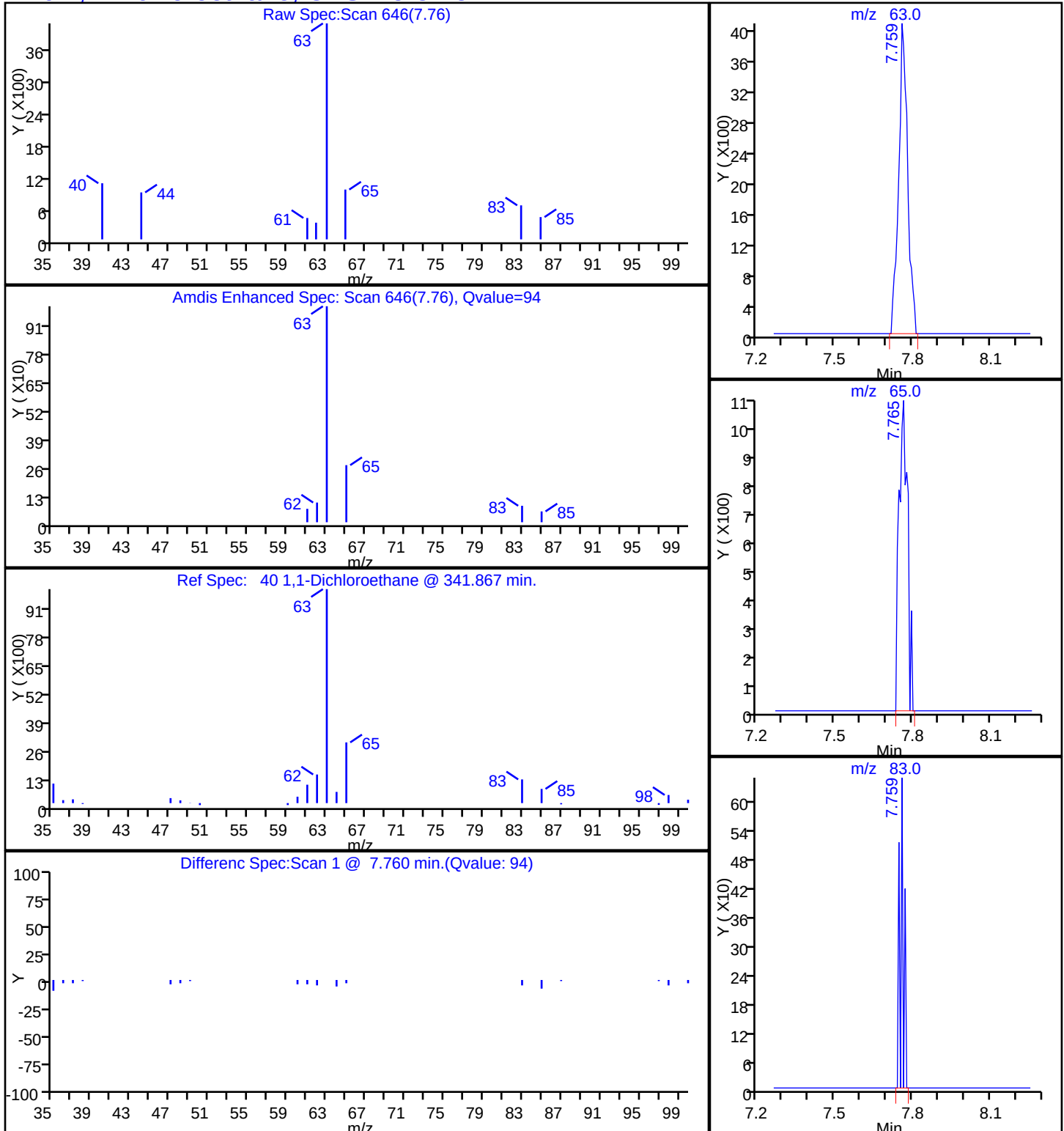
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

40 1,1-Dichloroethane, CAS: 75-34-3



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0854.D

Injection Date: 01-Oct-2016 17:17:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-23

Lab Sample ID: 480-106799-23

Client ID: 4009-30

Operator ID: gtg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 5.000 mL

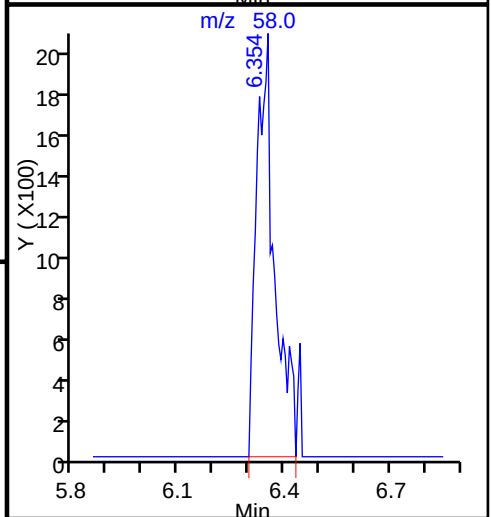
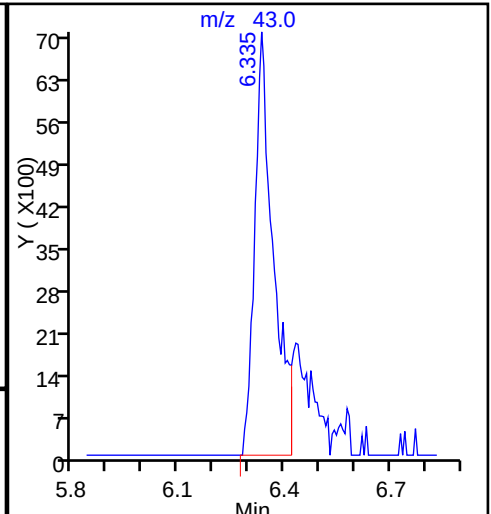
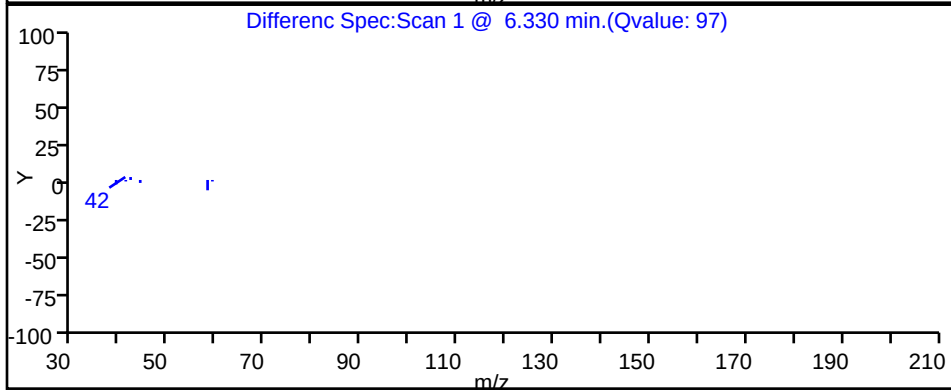
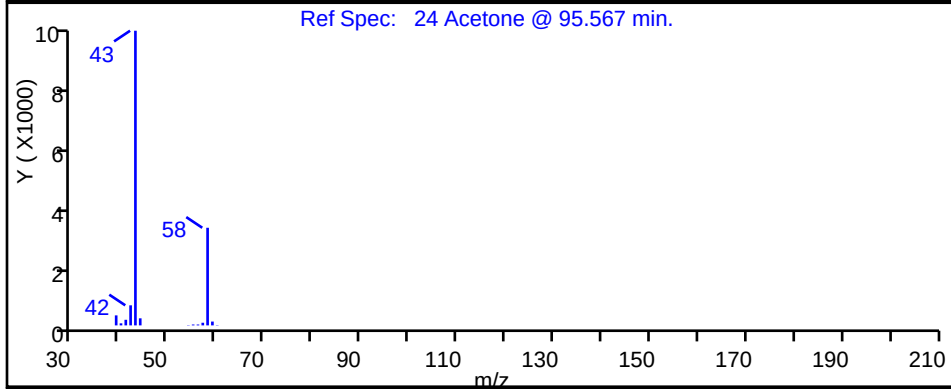
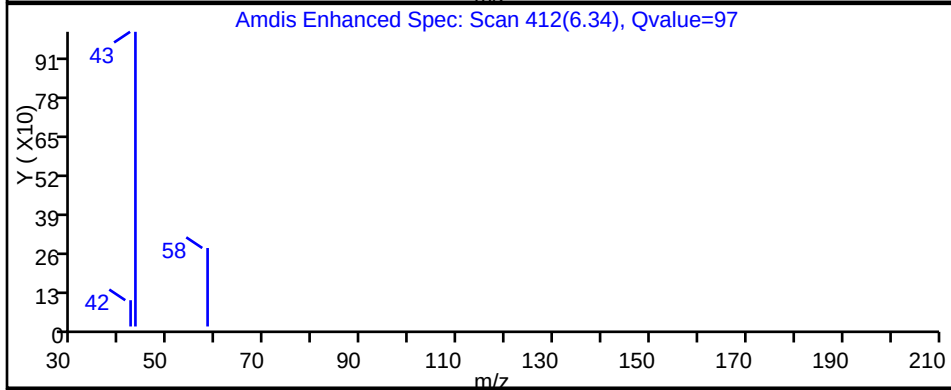
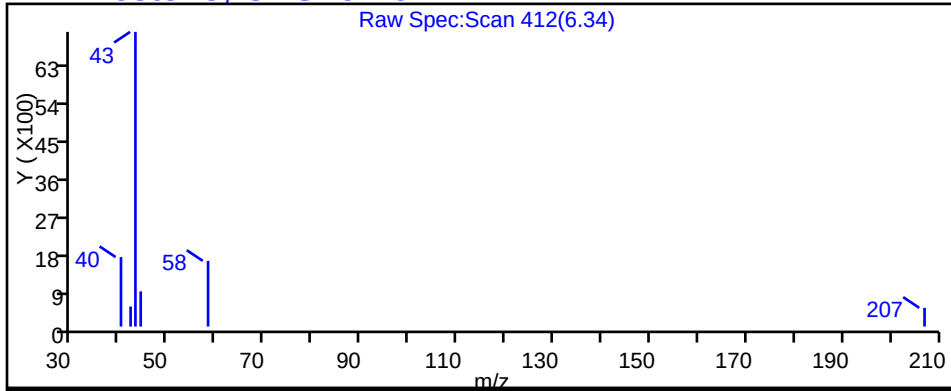
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

24 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0854.D

Injection Date: 01-Oct-2016 17:17:30

Instrument ID: HP5973P

Lims ID: 480-106799-A-23

Lab Sample ID: 480-106799-23

Client ID: 4009-30

Operator ID: gtg

ALS Bottle#: 18

Worklist Smp#: 18

Purge Vol: 5.000 mL

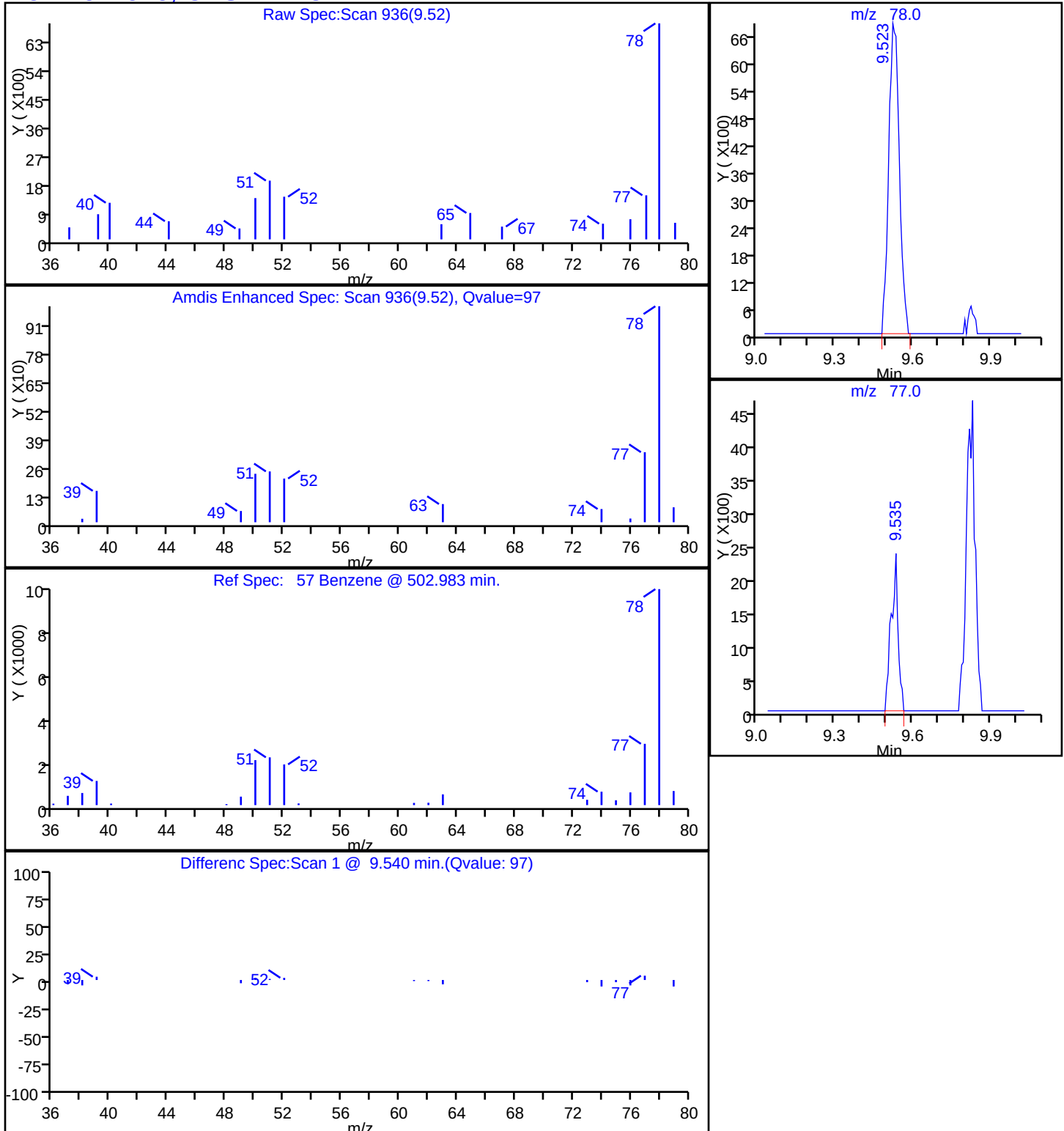
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-30A</u>	Lab Sample ID: <u>480-106799-24</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0855.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 09:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 17:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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	0.51	J	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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-30A</u>	Lab Sample ID: <u>480-106799-24</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0855.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 09:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 17:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123
2037-26-5	Toluene-d8 (Surr)	87		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0855.D
 Lims ID: 480-106799-A-24
 Client ID: 4009-30A
 Sample Type: Client
 Inject. Date: 01-Oct-2016 17:45:30 ALS Bottle#: 19 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-24
 Misc. Info.: 480-0056898-019
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 19:03:11 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 19:03:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.827	0.000	98	124406	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	255210	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.750	0.000	96	295133	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	92	149662	24.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	90780	22.8	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	495585	21.9	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	196359	25.3	
10 Dichlorodifluoromethane	85		3.993				ND	
11 Chloromethane	50		4.304				ND	
17 Vinyl chloride	62		4.535				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43	6.342	6.342	0.013	73	6127	1.20	7
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.913				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.236				ND	
40 1,1-Dichloroethane	63	7.759	7.753	0.006	93	9473	0.5118	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97	9.067	9.073	-0.006	4	2218	0.1653	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.523	9.523	0.000	92	12756	0.3764	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.515				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.151				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.241				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO855.D

Injection Date: 01-Oct-2016 17:45:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: 480-106799-A-24

Lab Sample ID: 480-106799-24

Worklist Smp#: 19

Client ID: 4009-30A

Purge Vol: 5.000 mL

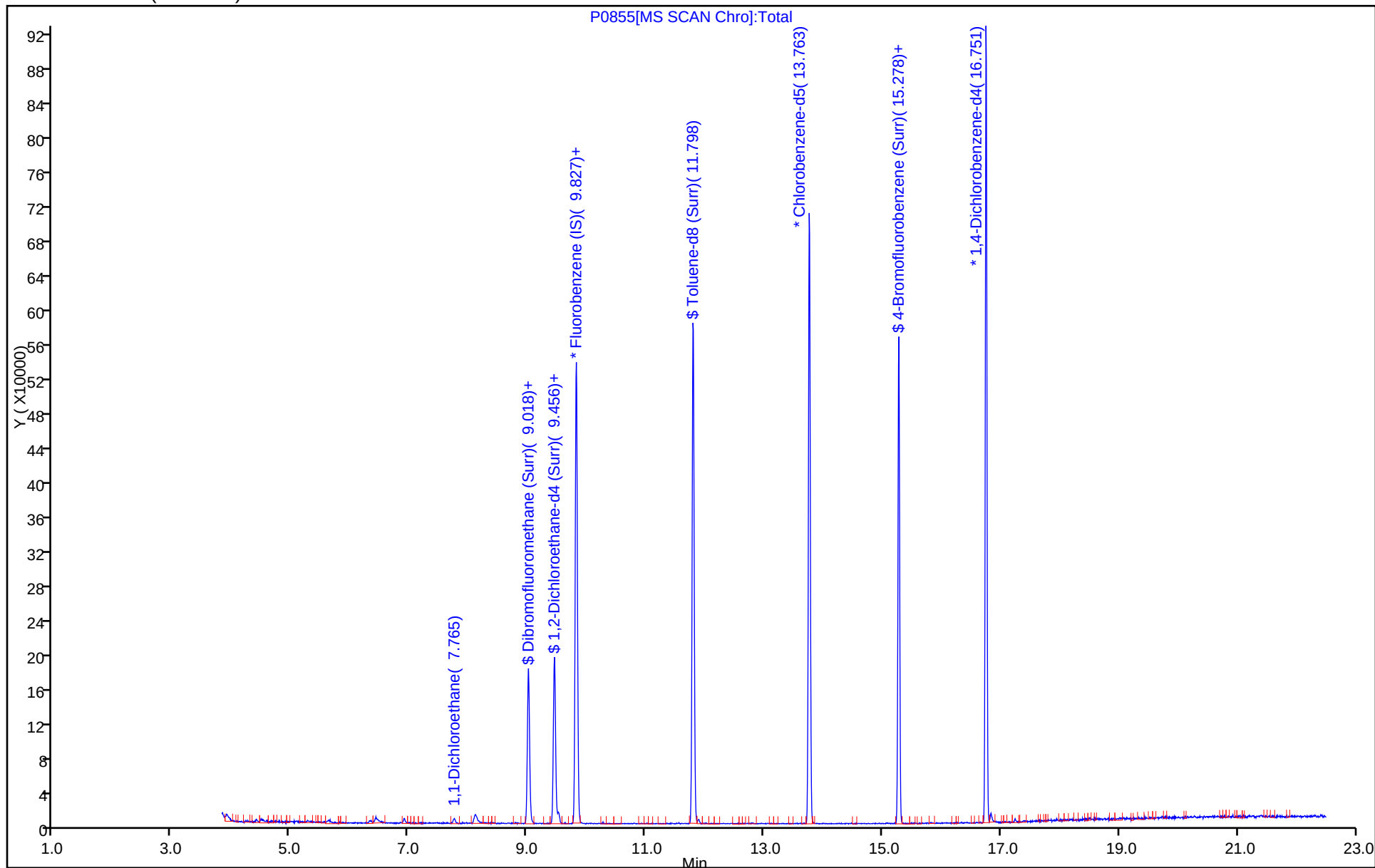
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

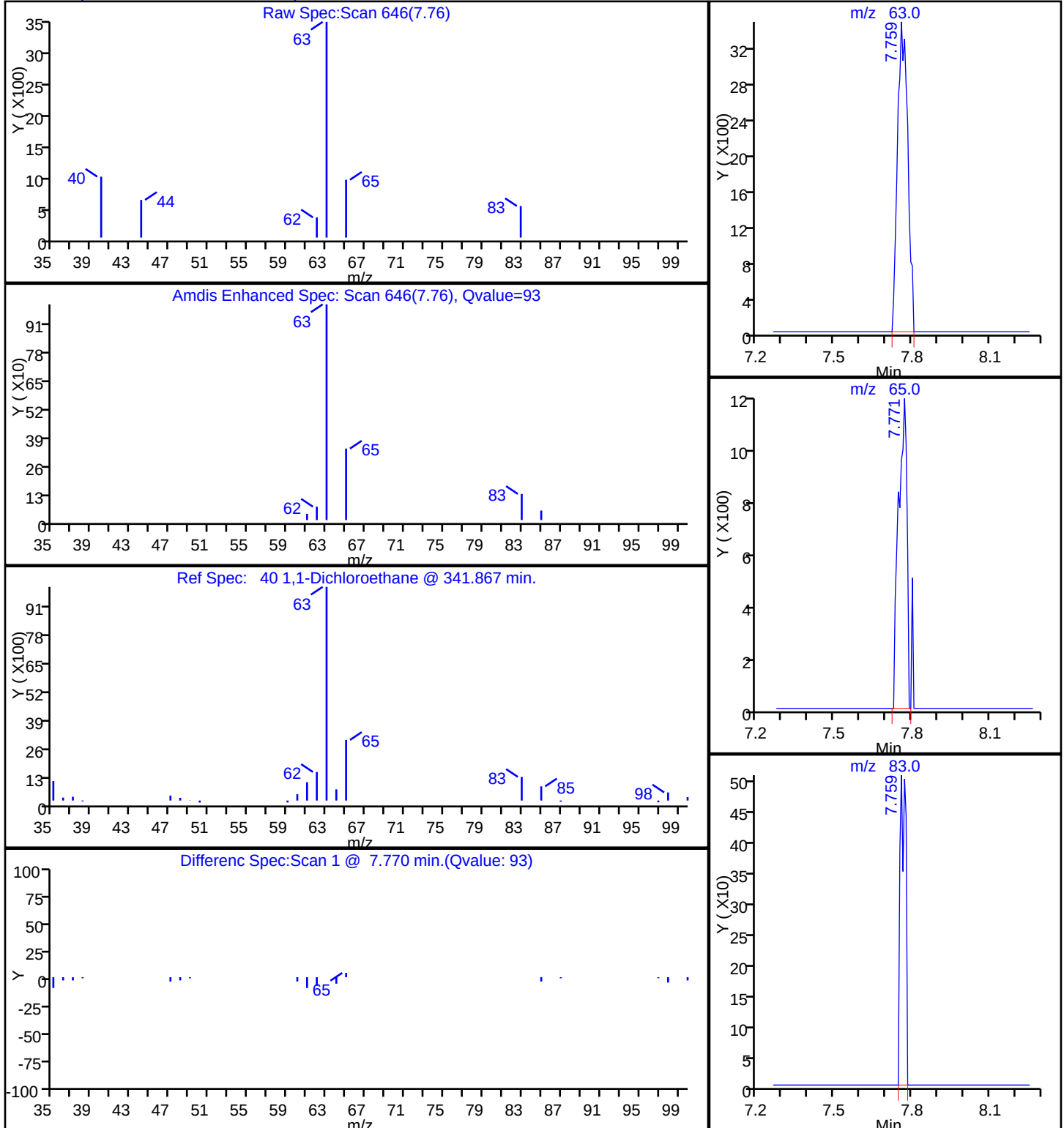
Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO855.D
Injection Date: 01-Oct-2016 17:45:30 Instrument ID: HP5973P
Lims ID: 480-106799-A-24 Lab Sample ID: 480-106799-24
Client ID: 4009-30A
Operator ID: gtg ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

40 1,1-Dichloroethane, CAS: 75-34-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-11A</u>	Lab Sample ID: <u>480-106799-25</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0856.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 18:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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)	1.0	U *	1.0	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	1.0	U	1.0	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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-11A</u>	Lab Sample ID: <u>480-106799-25</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0856.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 18:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

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)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123
2037-26-5	Toluene-d8 (Surr)	88		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0856.D
 Lims ID: 480-106799-A-25
 Client ID: 4009-11A
 Sample Type: Client
 Inject. Date: 01-Oct-2016 18:12:30 ALS Bottle#: 20 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-25
 Misc. Info.: 480-0056898-020
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 19:04:14 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 19:04:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.827	0.000	98	124355	25.0	
* 2 Chlorobenzene-d5	82	13.770	13.763	0.007	86	254447	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	294270	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.018	-0.006	92	151959	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	89169	22.4	
\$ 5 Toluene-d8 (Surr)	98	11.805	11.798	0.007	93	498232	22.0	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	89	194699	25.2	
10 Dichlorodifluoromethane	85		3.993				ND	
11 Chloromethane	50		4.304				ND	
17 Vinyl chloride	62		4.535				ND	
12 Bromomethane	94		5.070				ND	
13 Chloroethane	64		5.204				ND	
14 Trichlorofluoromethane	101		5.612				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43	6.341	6.341	0.012	66	5162	1.01	7
27 Carbon disulfide	76		6.670				ND	
30 Methyl acetate	43		6.701				ND	
31 Methylene Chloride	84		6.913				ND	
32 Methyl tert-butyl ether	73		7.169				ND	
35 trans-1,2-Dichloroethene	96		7.236				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.073				ND	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78		9.523				ND	
60 1,2-Dichloroethane	62		9.542				ND	
62 Trichloroethene	95		10.272				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.515				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.151				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.009				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.561				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.424				ND	
102 1,3,5-Trimethylbenzene	105		15.729				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.268				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.241				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO856.D

Injection Date: 01-Oct-2016 18:12:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: 480-106799-A-25

Lab Sample ID: 480-106799-25

Worklist Smp#: 20

Client ID: 4009-11A

Purge Vol: 5.000 mL

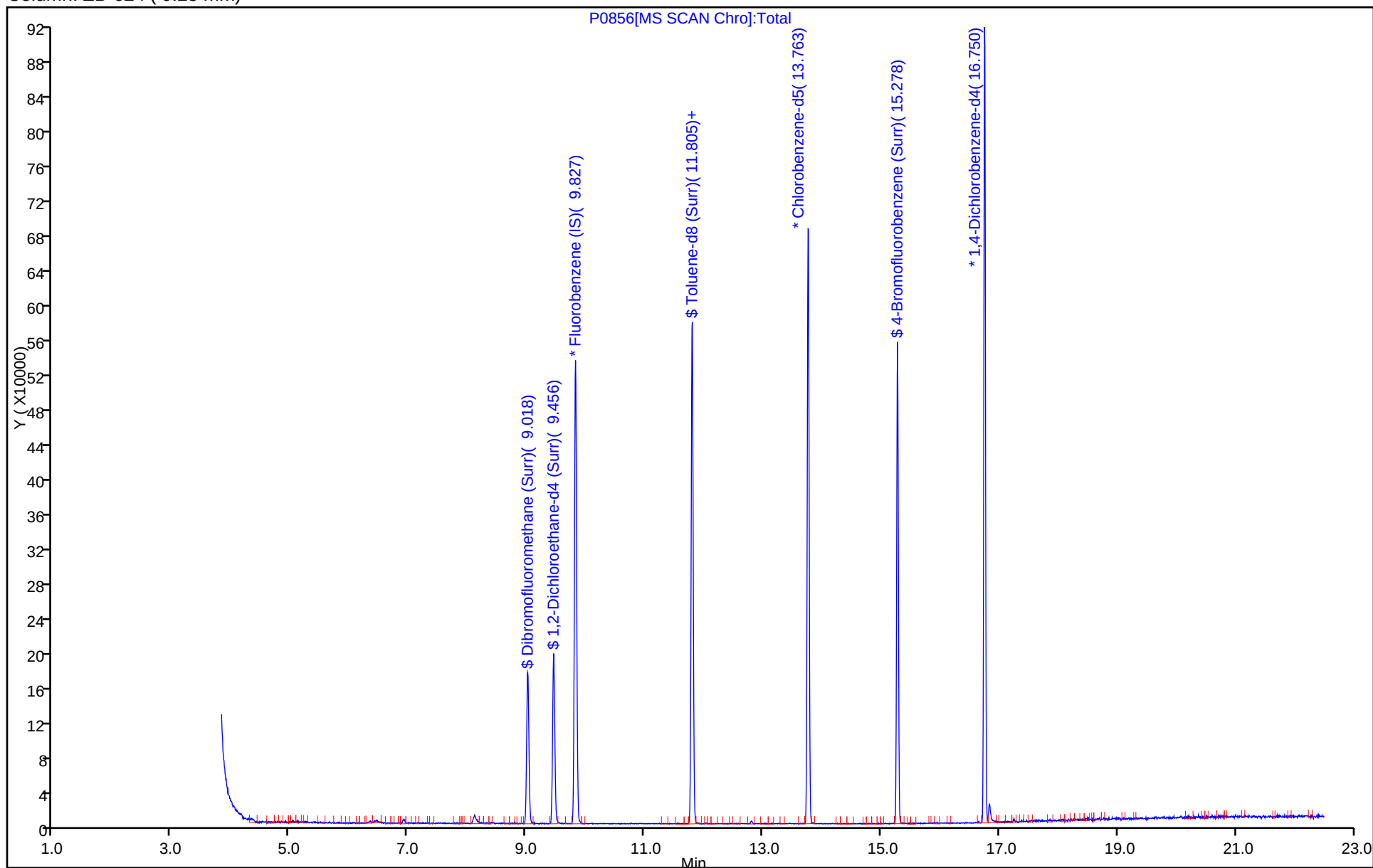
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>DUP-1_20160929</u>	Lab Sample ID: <u>480-106799-26</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0906.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/03/2016 22:22</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323586</u>	Units: <u>ug/L</u>

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	2.5		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	9.2		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	1.2		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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: DUP-1_20160929 Lab Sample ID: 480-106799-26
 Matrix: Water Lab File ID: P0906.D
 Analysis Method: 8260C Date Collected: 09/29/2016 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/03/2016 22:22
 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.: 323586 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	0.61	J	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.1		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)	88		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123
2037-26-5	Toluene-d8 (Surr)	87		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0906.D
 Lims ID: 480-106799-B-26
 Client ID: DUP-1_20160929
 Sample Type: Client
 Inject. Date: 03-Oct-2016 22:22:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-B-26
 Misc. Info.: 480-0056940-010
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 04-Oct-2016 15:38:45 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: farrellr

Date: 04-Oct-2016 15:38:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.821	9.821	0.000	98	127942	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.764	0.000	86	271125	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.751	0.000	96	308293	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	147896	23.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	90643	22.1	
\$ 5 Toluene-d8 (Surr)	98	11.799	11.799	0.000	93	525631	21.8	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	212746	25.8	
10 Dichlorodifluoromethane	85		3.981				ND	
11 Chloromethane	50		4.297				ND	
17 Vinyl chloride	62	4.504	4.529	-0.025	41	8670	1.07	
12 Bromomethane	94		5.076				ND	
13 Chloroethane	64		5.198				ND	
14 Trichlorofluoromethane	101		5.611				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.244				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43	6.342	6.342	0.019	85	9627	1.83	7
27 Carbon disulfide	76		6.664				ND	
30 Methyl acetate	43		6.700				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.163				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63	7.765	7.753	0.012	96	48161	2.53	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96	8.459	8.453	0.007	79	11545	1.17	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.067				ND	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.523	9.517	0.006	98	321217	9.22	
60 1,2-Dichloroethane	62		9.541				ND	
62 Trichloroethene	95	10.284	10.278	0.006	89	5796	0.6146	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92	11.890	11.890	0.000	96	7591	0.3204	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.015				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.560				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.430				ND	
102 1,3,5-Trimethylbenzene	105		15.728				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.274				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0906.D

Injection Date: 03-Oct-2016 22:22:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-B-26

Lab Sample ID: 480-106799-26

Worklist Smp#: 10

Client ID: DUP-1_20160929

Purge Vol: 5.000 mL

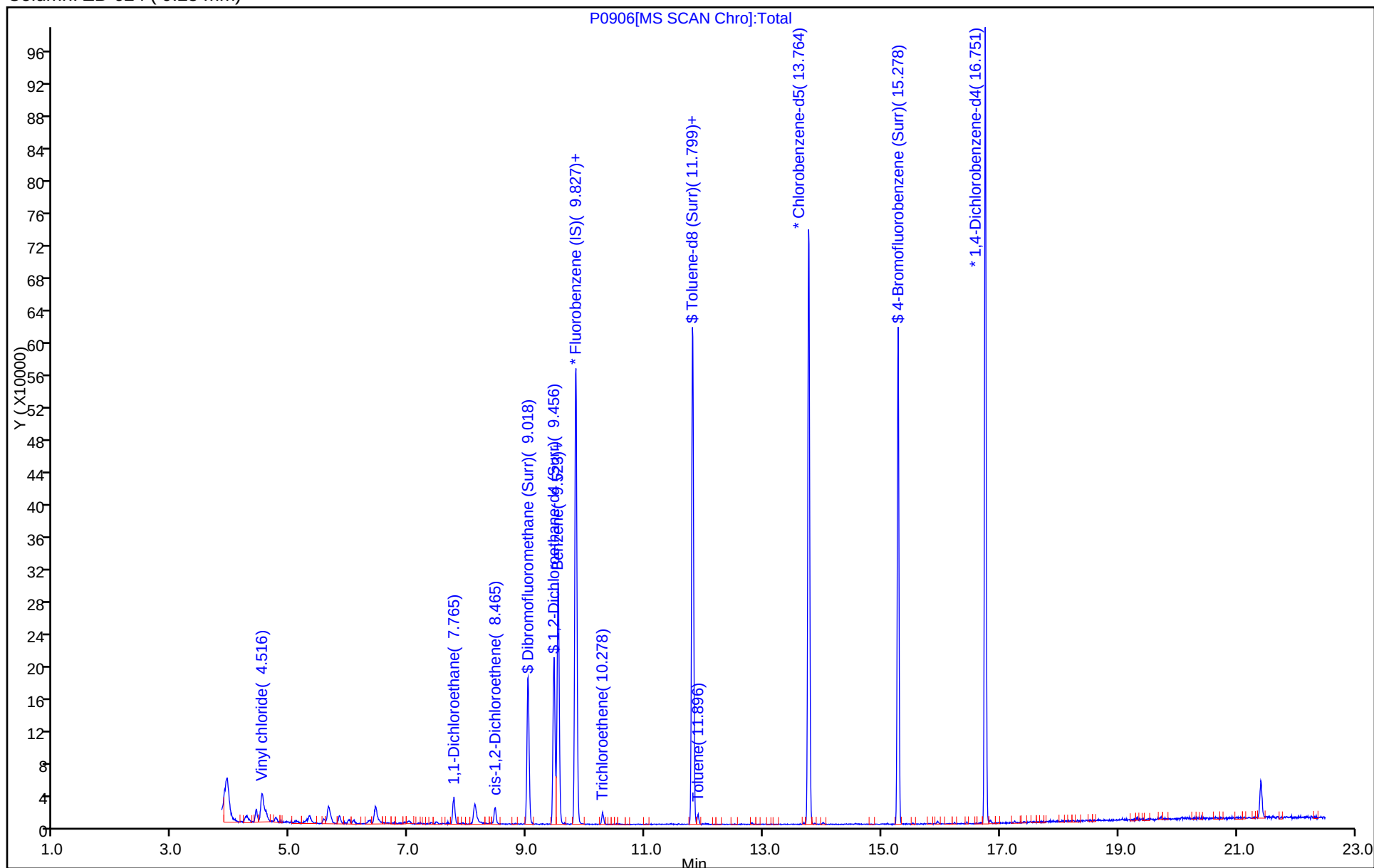
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0906.D

Injection Date: 03-Oct-2016 22:22:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-26

Lab Sample ID: 480-106799-26

Client ID: DUP-1_20160929

Operator ID: SY

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

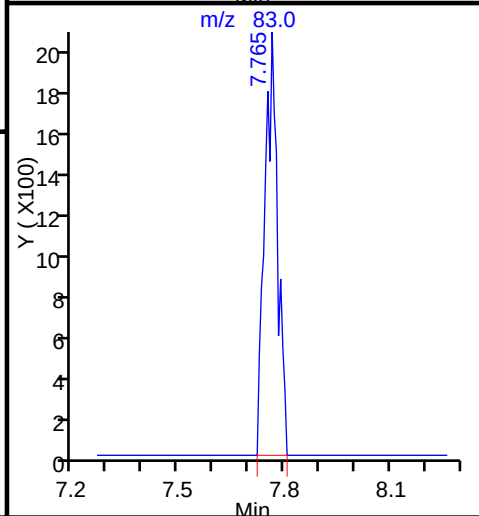
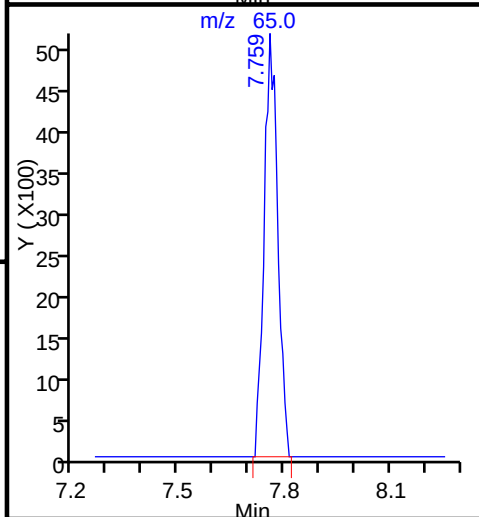
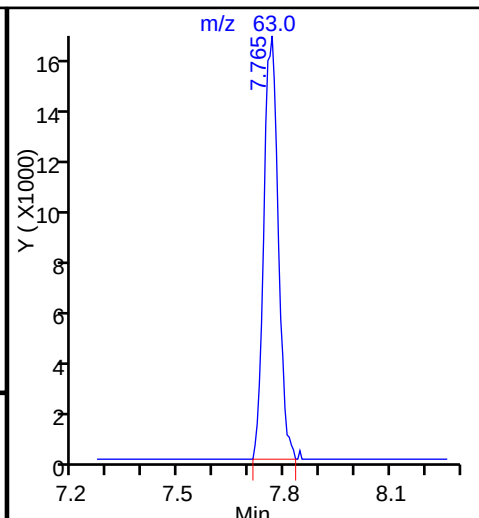
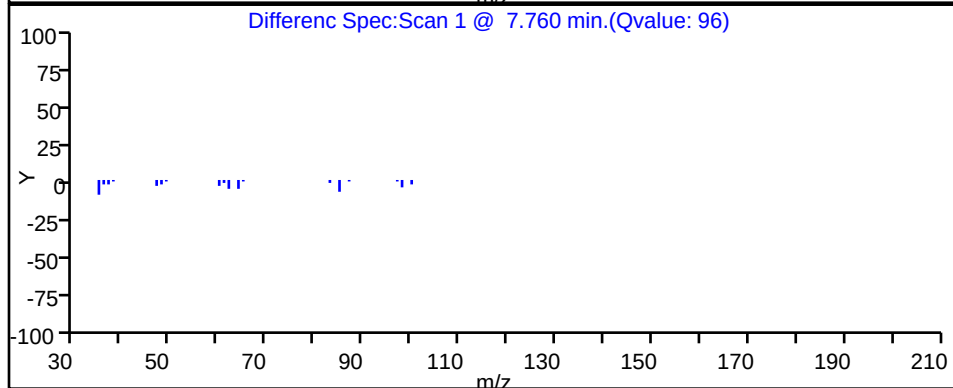
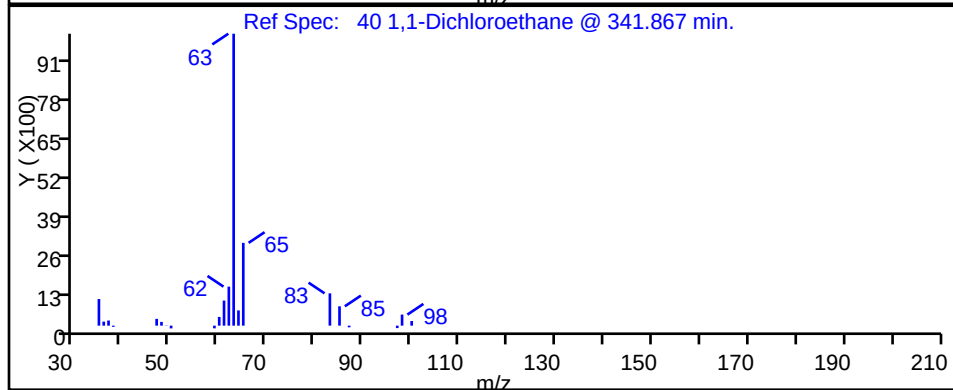
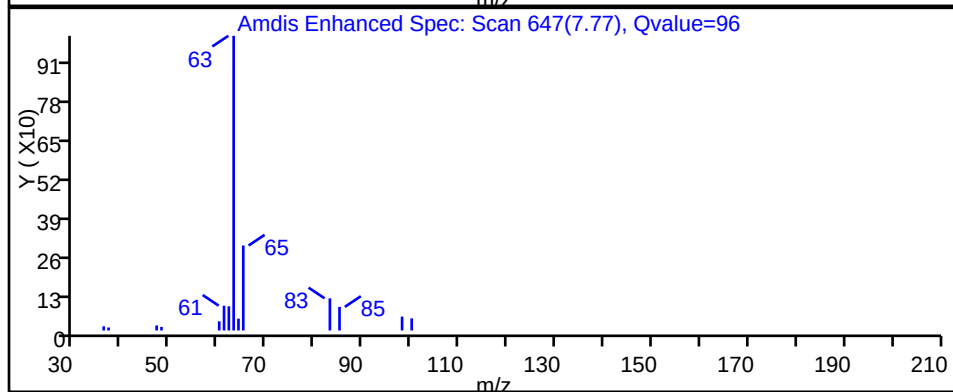
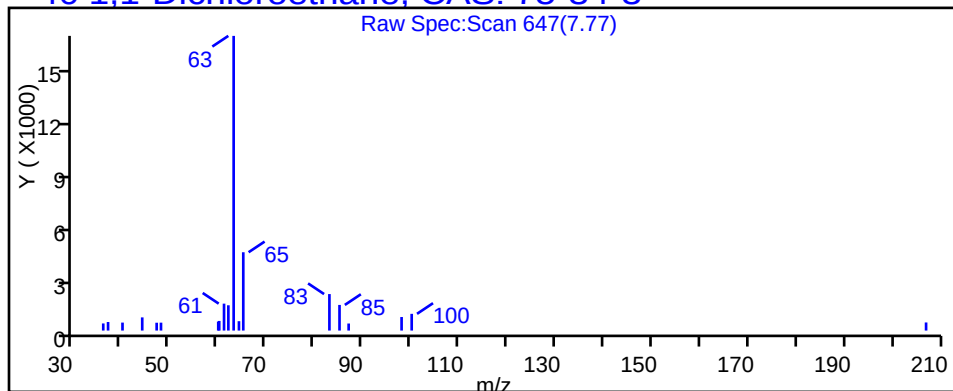
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

40 1,1-Dichloroethane, CAS: 75-34-3



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0906.D

Injection Date: 03-Oct-2016 22:22:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-26

Lab Sample ID: 480-106799-26

Client ID: DUP-1_20160929

Operator ID: SY

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

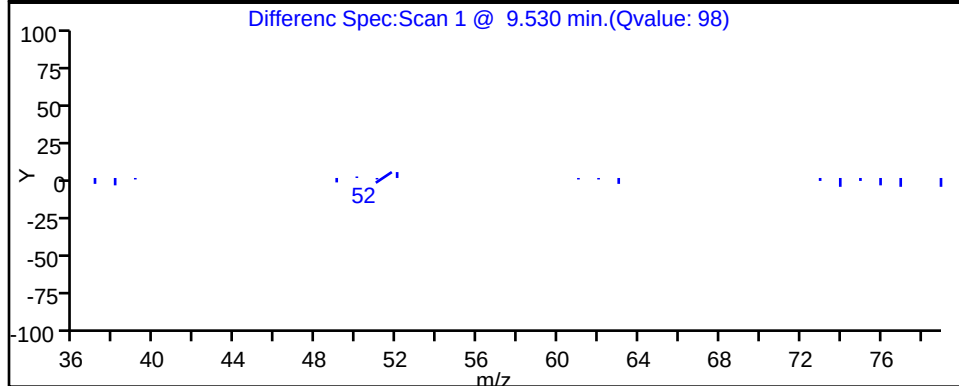
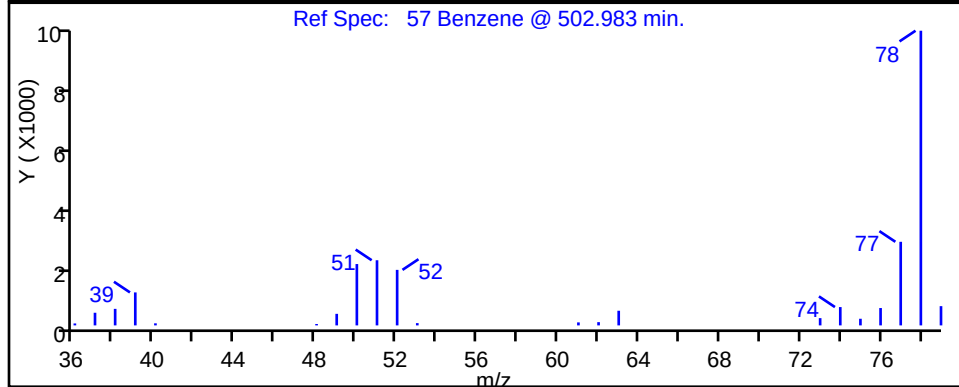
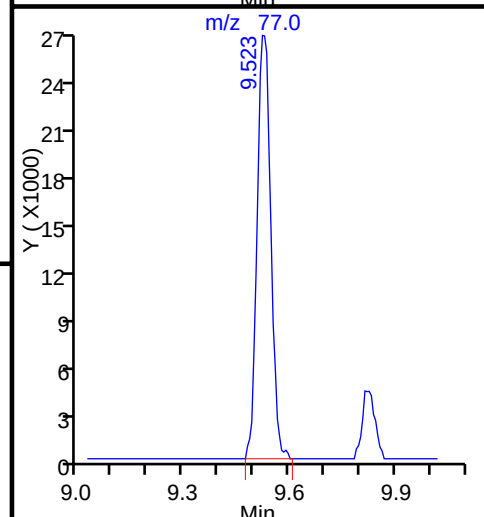
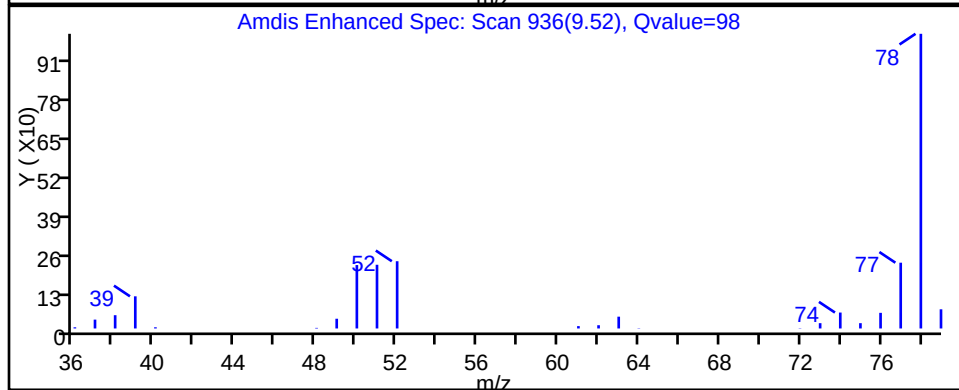
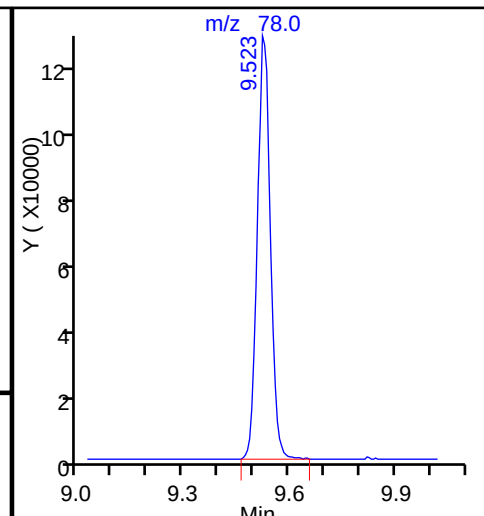
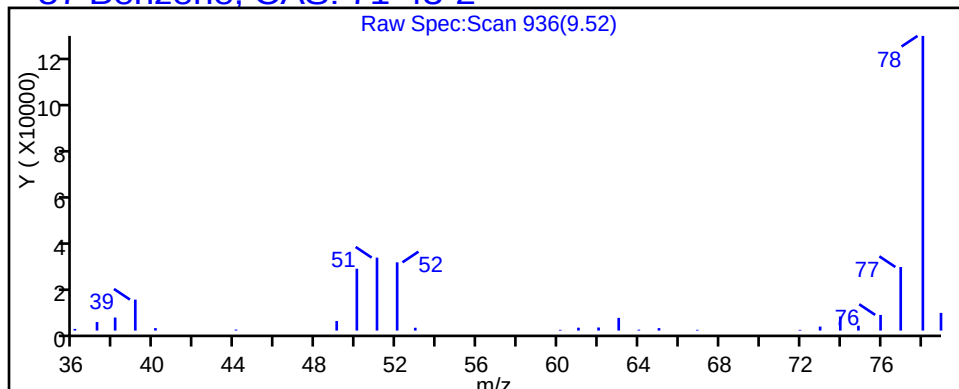
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0906.D

Injection Date: 03-Oct-2016 22:22:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-26

Lab Sample ID: 480-106799-26

Client ID: DUP-1_20160929

Operator ID: SY

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

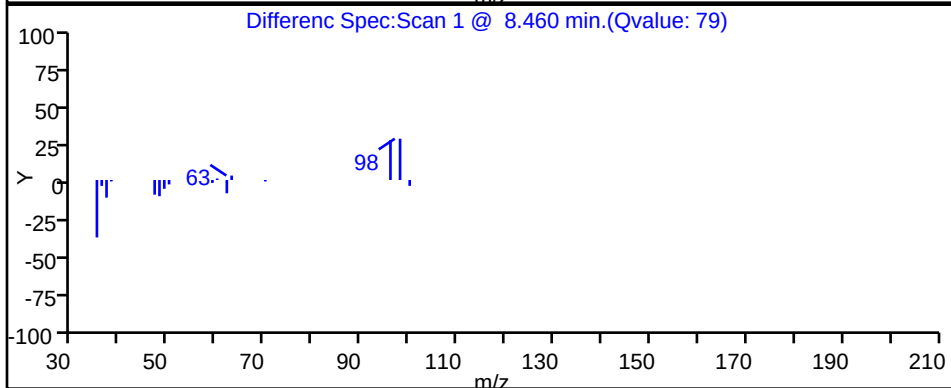
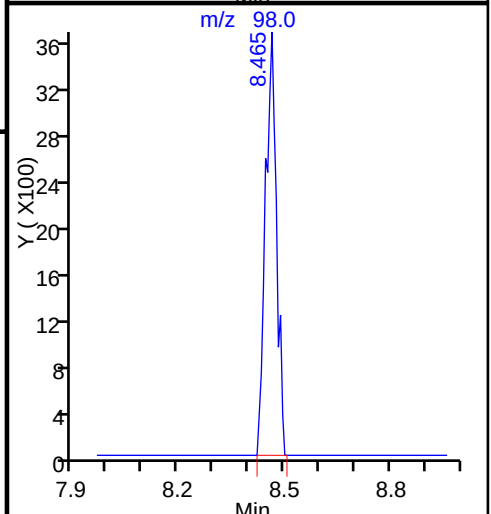
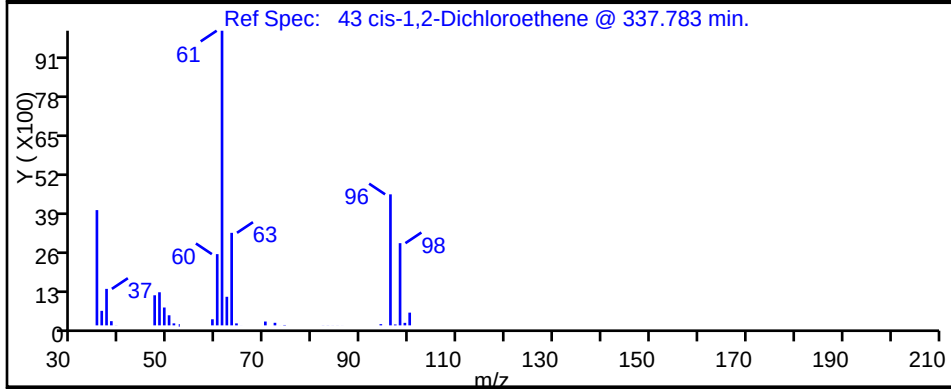
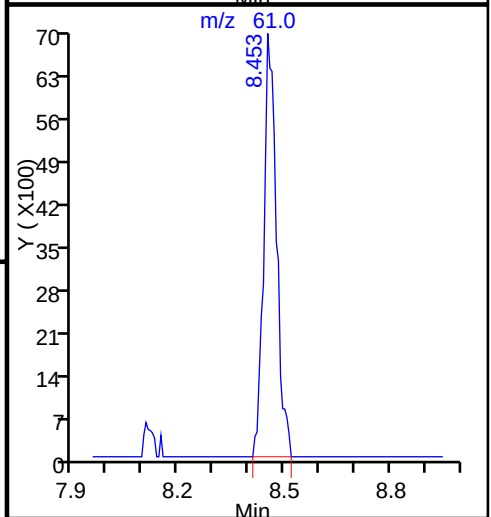
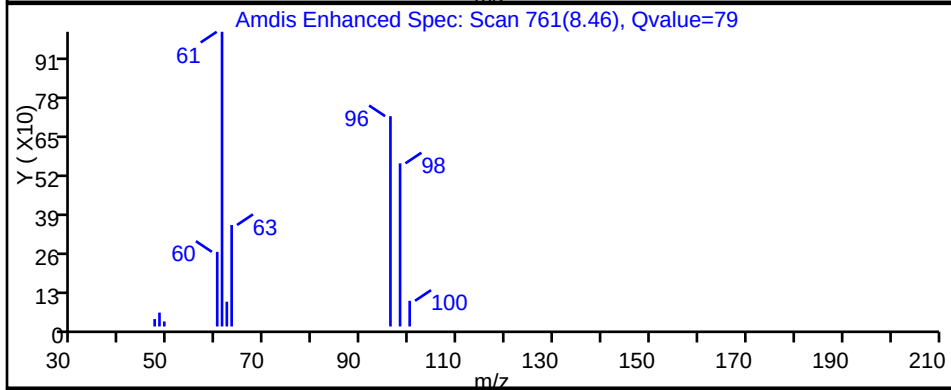
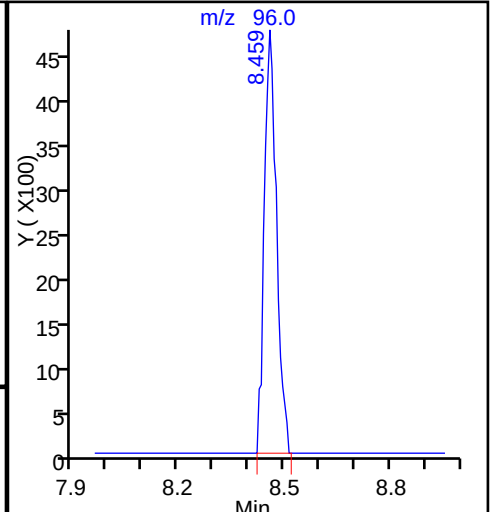
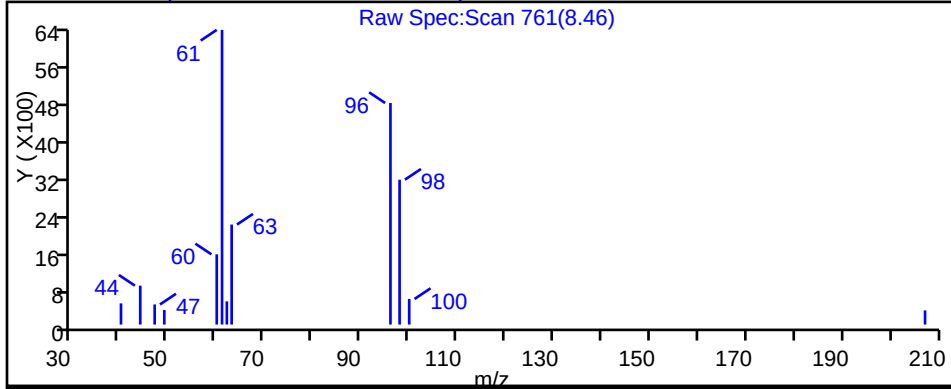
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0906.D

Injection Date: 03-Oct-2016 22:22:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-26

Lab Sample ID: 480-106799-26

Client ID: DUP-1_20160929

Operator ID: SY

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

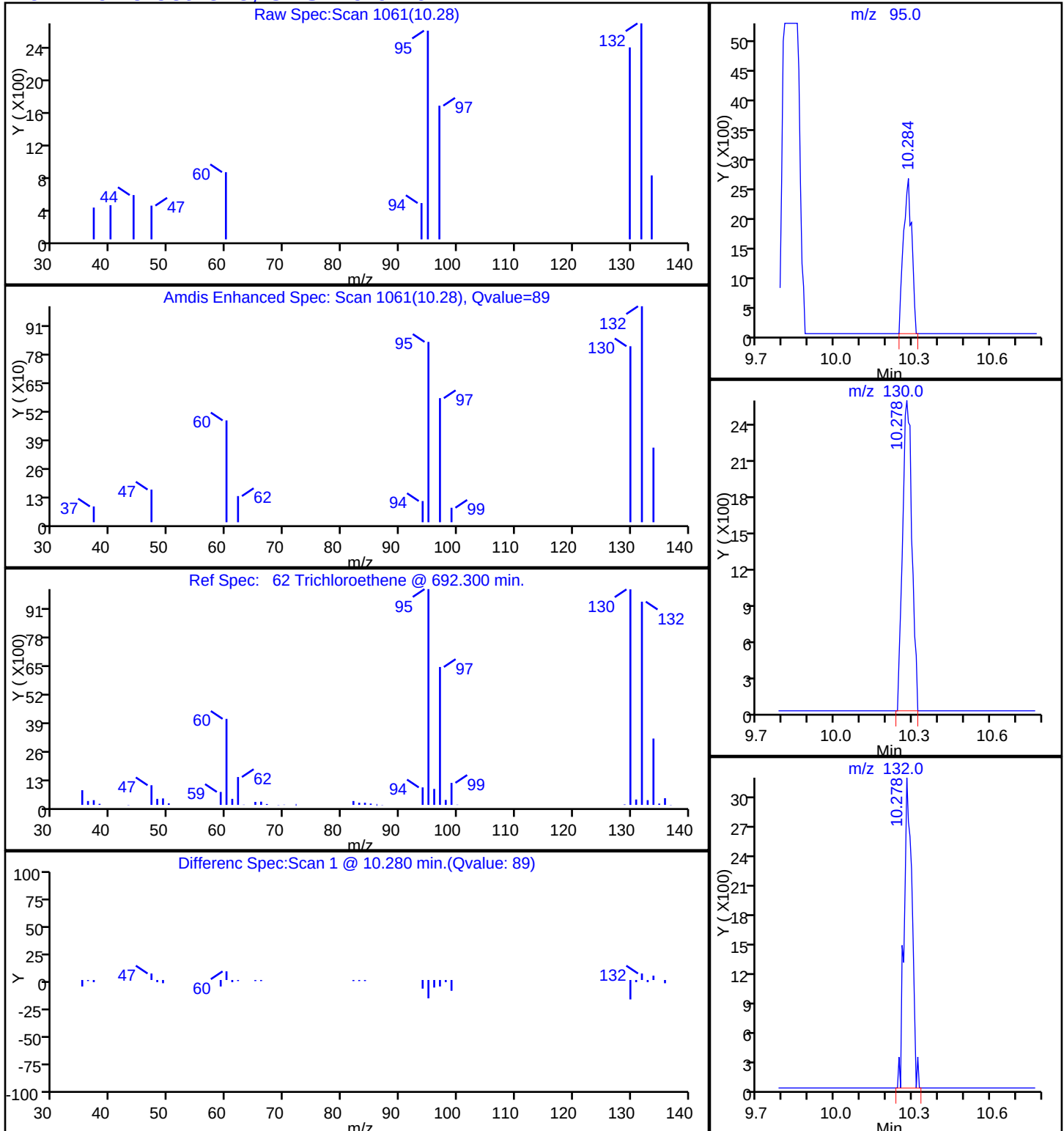
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0906.D

Injection Date: 03-Oct-2016 22:22:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-26

Lab Sample ID: 480-106799-26

Client ID: DUP-1_20160929

Operator ID: SY

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

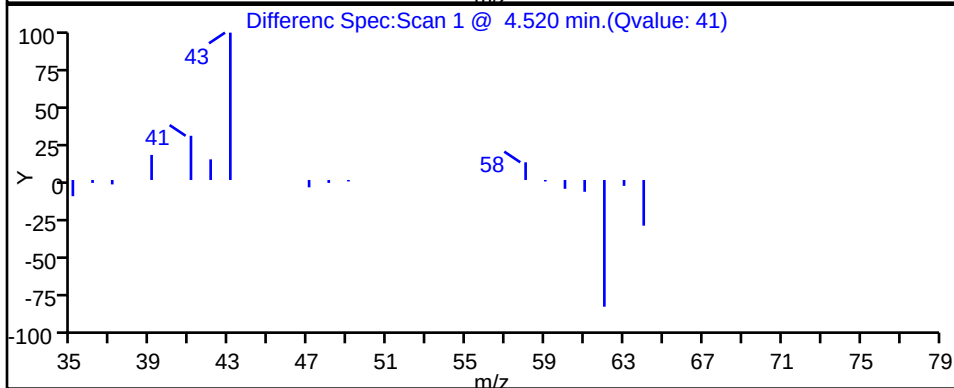
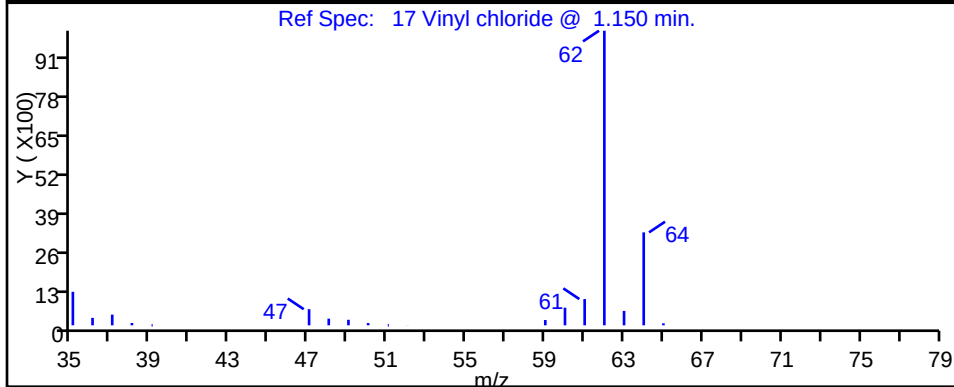
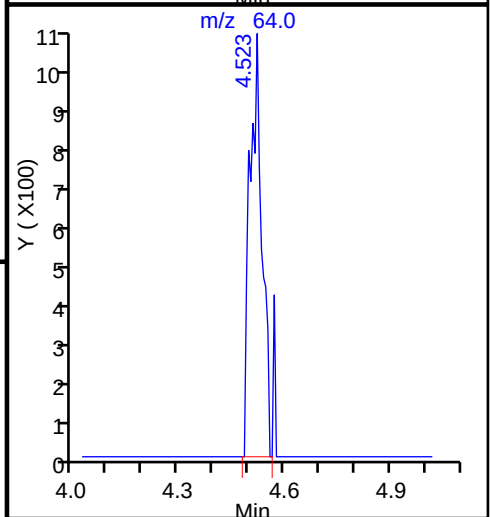
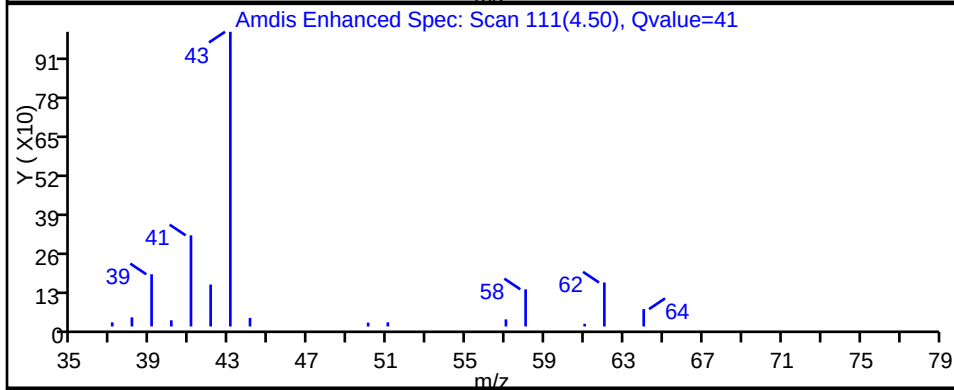
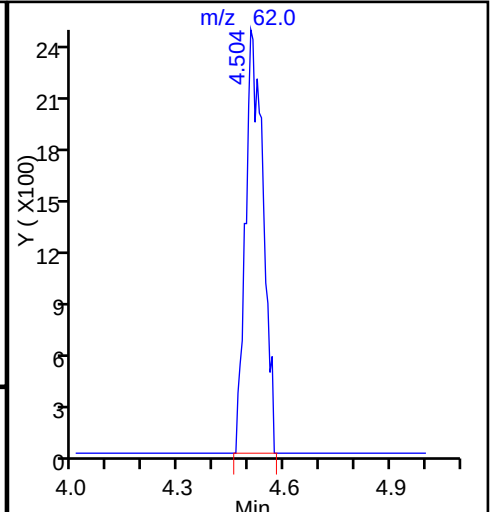
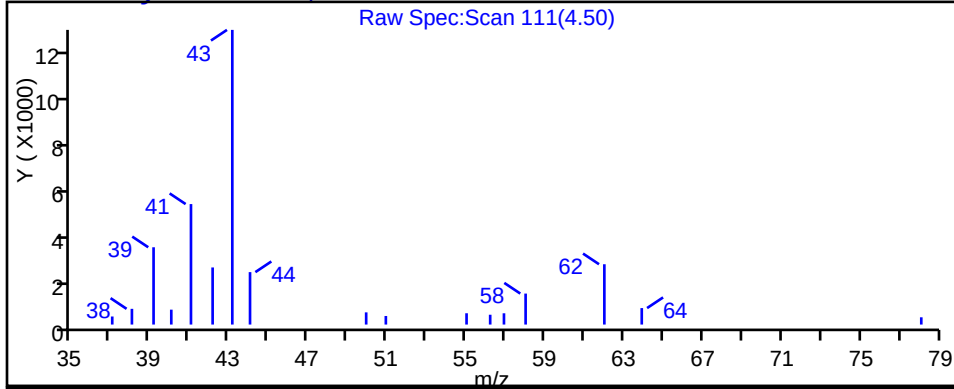
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

17 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1

SDG No.: _____

Client Sample ID: DUP-2_20160929 Lab Sample ID: 480-106799-27

Matrix: Water Lab File ID: P0907.D

Analysis Method: 8260C Date Collected: 09/29/2016 00:00

Sample wt/vol: 5 (mL) Date Analyzed: 10/03/2016 22:49

Soil Aliquot Vol: _____ Dilution Factor: 2

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

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

Analysis Batch No.: 323586 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.62
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.46
75-34-3	1,1-Dichloroethane	4.5		2.0	0.76
75-35-4	1,1-Dichloroethene	1.7	J	2.0	0.58
526-73-8	1,2,3-Trimethylbenzene	2.0	U	2.0	0.52
120-82-1	1,2,4-Trichlorobenzene	2.0	U	2.0	0.82
95-63-6	1,2,4-Trimethylbenzene	2.0	U	2.0	1.5
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.78
106-93-4	1,2-Dibromoethane	2.0	U	2.0	1.5
95-50-1	1,2-Dichlorobenzene	2.0	U	2.0	1.6
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.42
78-87-5	1,2-Dichloropropane	2.0	U	2.0	1.4
108-67-8	1,3,5-Trimethylbenzene	2.0	U	2.0	1.5
541-73-1	1,3-Dichlorobenzene	2.0	U	2.0	1.6
106-46-7	1,4-Dichlorobenzene	2.0	U	2.0	1.7
78-93-3	2-Butanone (MEK)	20	U *	20	2.6
591-78-6	2-Hexanone	10	U	10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	4.2
67-64-1	Acetone	6.2	J	20	6.0
71-43-2	Benzene	75		2.0	0.82
75-27-4	Bromodichloromethane	2.0	U	2.0	0.78
75-25-2	Bromoform	2.0	U	2.0	0.52
74-83-9	Bromomethane	2.0	U	2.0	1.4
75-15-0	Carbon disulfide	2.0	U	2.0	0.38
56-23-5	Carbon tetrachloride	2.0	U	2.0	0.54
108-90-7	Chlorobenzene	2.0	U	2.0	1.5
75-00-3	Chloroethane	49		2.0	0.64
67-66-3	Chloroform	2.0	U	2.0	0.68
74-87-3	Chloromethane	2.0	U	2.0	0.70
156-59-2	cis-1,2-Dichloroethene	45		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	2.0	U	2.0	0.72
110-82-7	Cyclohexane	2.0	U	2.0	0.36
124-48-1	Dibromochloromethane	2.0	U	2.0	0.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Client Sample ID: DUP-2_20160929 Lab Sample ID: 480-106799-27
 Matrix: Water Lab File ID: P0907.D
 Analysis Method: 8260C Date Collected: 09/29/2016 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/03/2016 22:49
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323586 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	2.0	U	2.0	1.4
100-41-4	Ethylbenzene	2.0	U	2.0	1.5
98-82-8	Isopropylbenzene	2.0	U	2.0	1.6
79-20-9	Methyl acetate	5.0	U	5.0	2.6
1634-04-4	Methyl tert-butyl ether	2.0	U	2.0	0.32
108-87-2	Methylcyclohexane	2.0	U	2.0	0.32
75-09-2	Methylene Chloride	2.0	U	2.0	0.88
100-42-5	Styrene	2.0	U	2.0	1.5
127-18-4	Tetrachloroethene	2.0	U	2.0	0.72
108-88-3	Toluene	2.0		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	2.0	U	2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	2.0	U	2.0	0.74
79-01-6	Trichloroethene	3.4		2.0	0.92
75-69-4	Trichlorofluoromethane	2.0	U	2.0	1.8
75-01-4	Vinyl chloride	2.0	U	2.0	1.8
1330-20-7	Xylenes, Total	4.0	U	4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123
2037-26-5	Toluene-d8 (Surr)	88		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0907.D
 Lims ID: 480-106799-B-27
 Client ID: DUP-2_20160929
 Sample Type: Client
 Inject. Date: 03-Oct-2016 22:49:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 2.0000
 Sample Info: 480-106799-B-27
 Misc. Info.: 480-0056940-011
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 04-Oct-2016 15:39:52 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: farrellr

Date: 04-Oct-2016 15:39:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.821	0.006	98	128549	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.764	-0.001	87	265463	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.751	-0.001	96	308596	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	92	150774	23.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	91195	22.1	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.799	-0.001	93	517200	21.9	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	208797	25.9	
10 Dichlorodifluoromethane	85		3.981				ND	
11 Chloromethane	50		4.297				ND	
17 Vinyl chloride	62	4.522	4.529	-0.007	95	7045	0.8684	
12 Bromomethane	94		5.076				ND	
13 Chloroethane	64	5.210	5.198	0.012	97	105822	24.5	
14 Trichlorofluoromethane	101		5.611				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.244				ND	
25 1,1-Dichloroethene	96	6.305	6.287	0.018	95	7308	0.8455	
24 Acetone	43	6.341	6.323	0.018	96	16479	3.12	
27 Carbon disulfide	76	6.676	6.664	0.012	94	5281	0.1810	
30 Methyl acetate	43		6.700				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.163				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63	7.759	7.753	0.006	96	42691	2.23	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96	8.459	8.453	0.006	84	224727	22.6	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.067				ND	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.529	9.517	0.012	98	1307834	37.3	
60 1,2-Dichloroethane	62		9.541				ND	
62 Trichloroethene	95	10.271	10.278	-0.007	96	16277	1.72	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92	11.896	11.890	0.006	98	23015	0.99	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.015				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.560				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.430				ND	
102 1,3,5-Trimethylbenzene	105		15.728				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.274				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20161003-56940.b\\P0907.D

Injection Date: 03-Oct-2016 22:49:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-B-27

Lab Sample ID: 480-106799-27

Worklist Smp#: 11

Client ID: DUP-2_20160929

Purge Vol: 5.000 mL

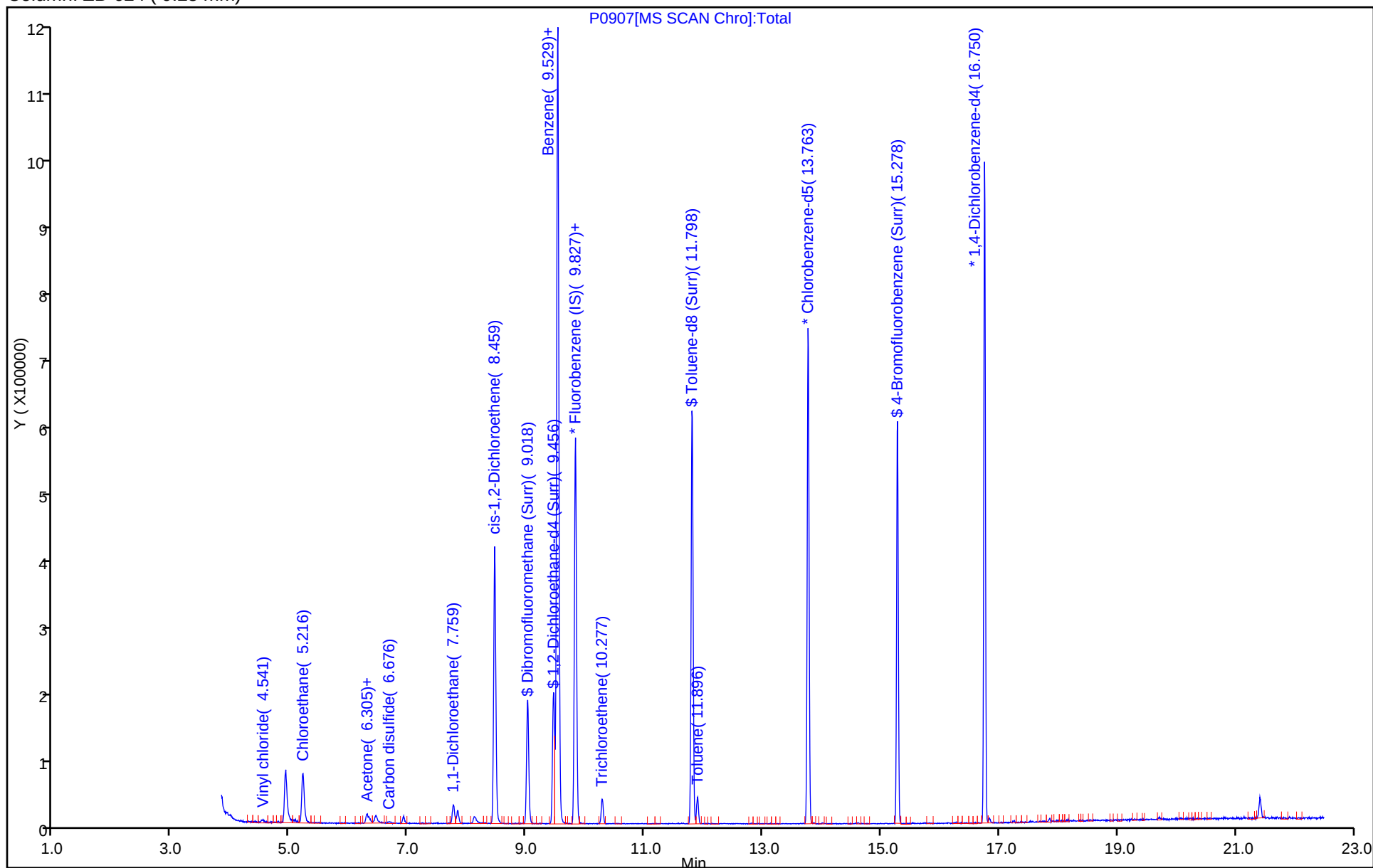
Dil. Factor: 2.0000

ALS Bottle#: 11

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0907.D

Injection Date: 03-Oct-2016 22:49:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-27

Lab Sample ID: 480-106799-27

Client ID: DUP-2_20160929

Operator ID: SY

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

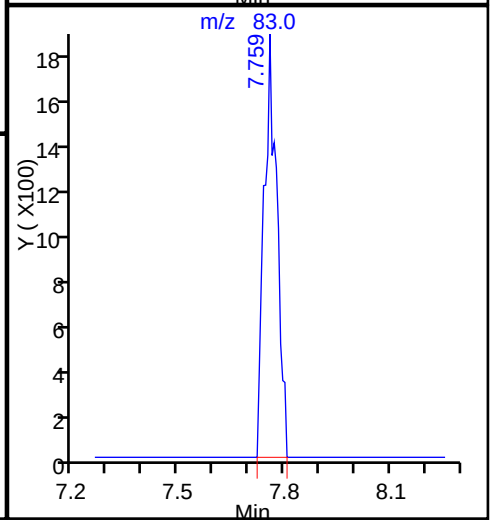
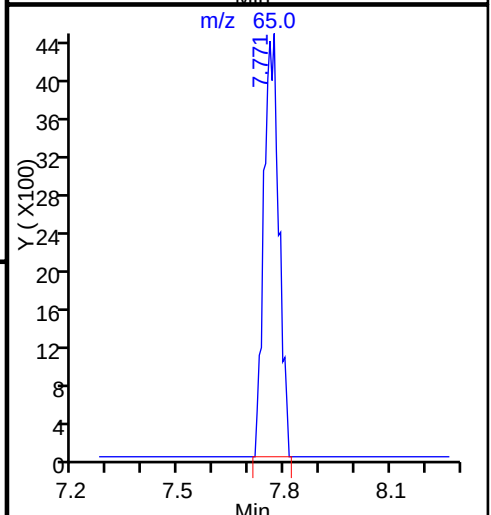
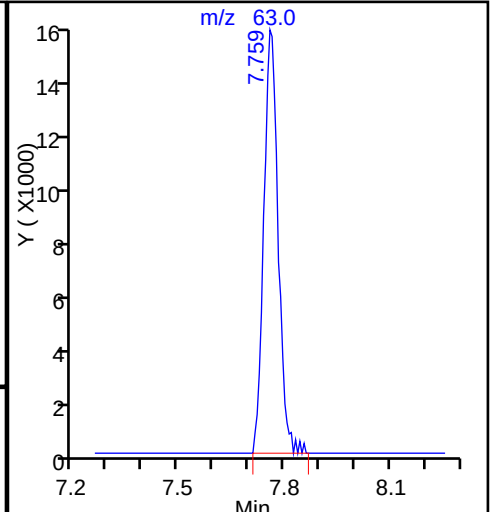
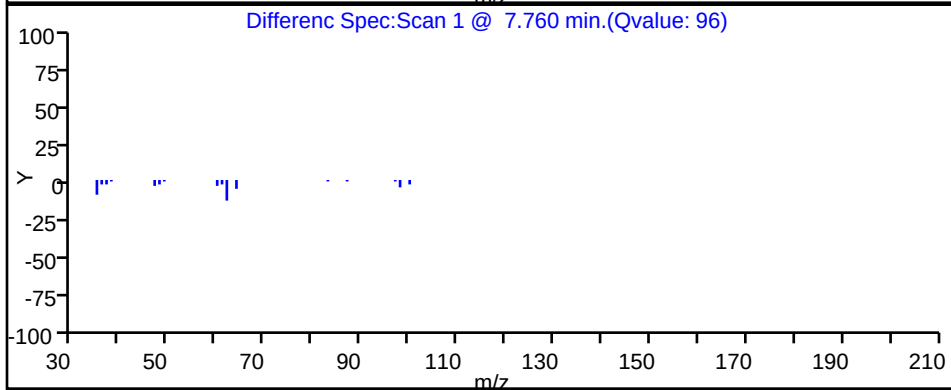
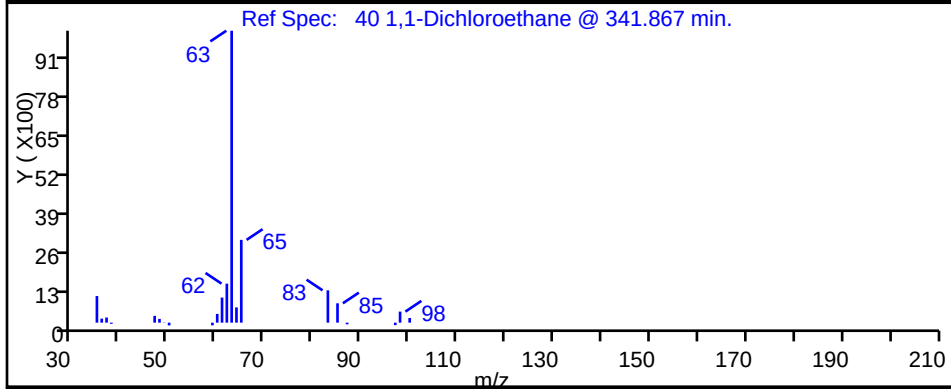
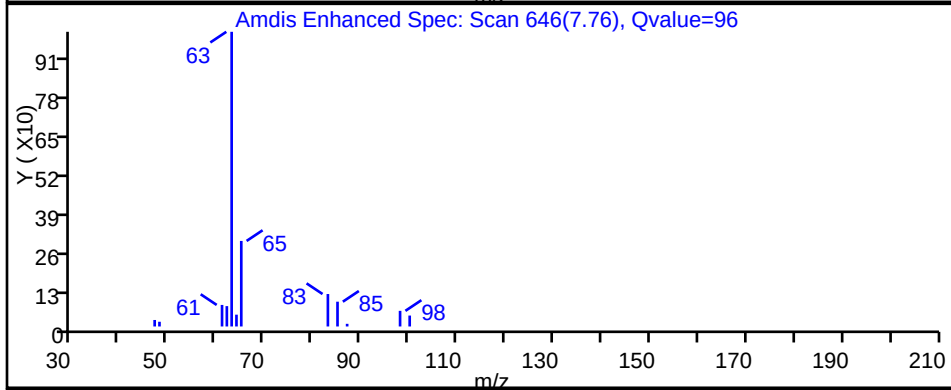
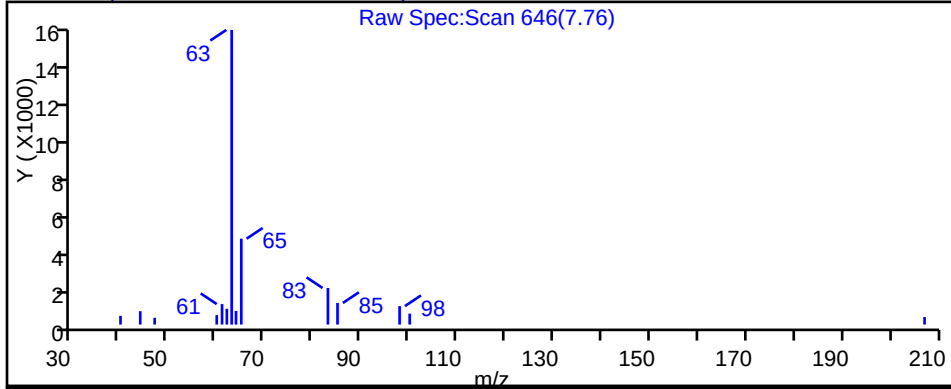
Dil. Factor: 2.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

40 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0907.D

Injection Date: 03-Oct-2016 22:49:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-27

Lab Sample ID: 480-106799-27

Client ID: DUP-2_20160929

Operator ID: SY

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

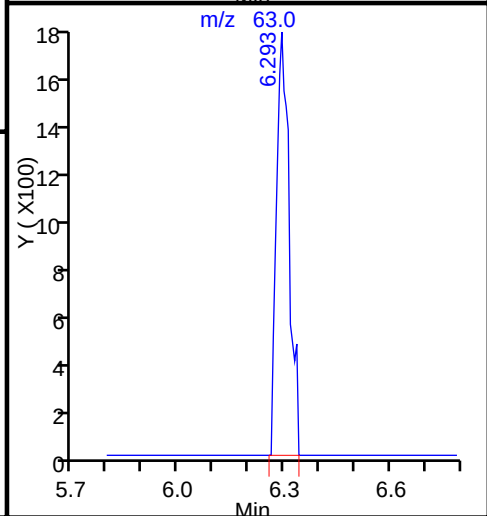
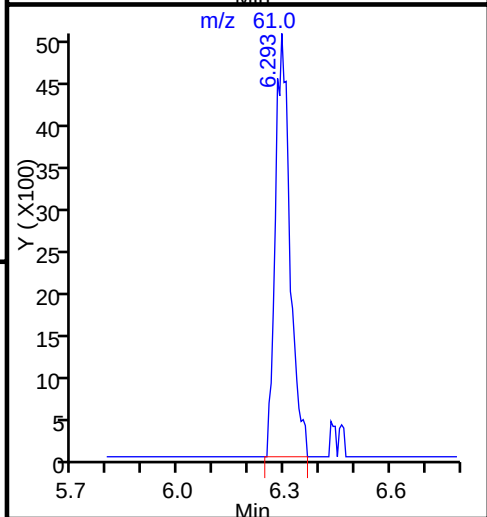
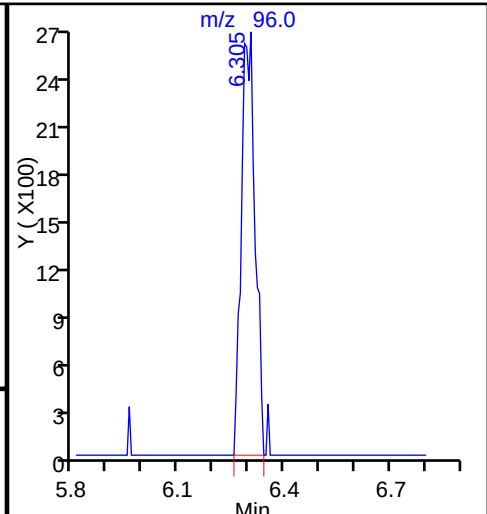
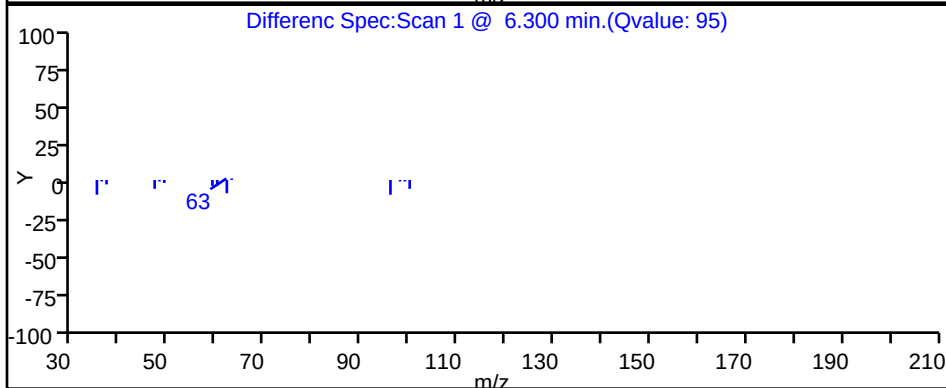
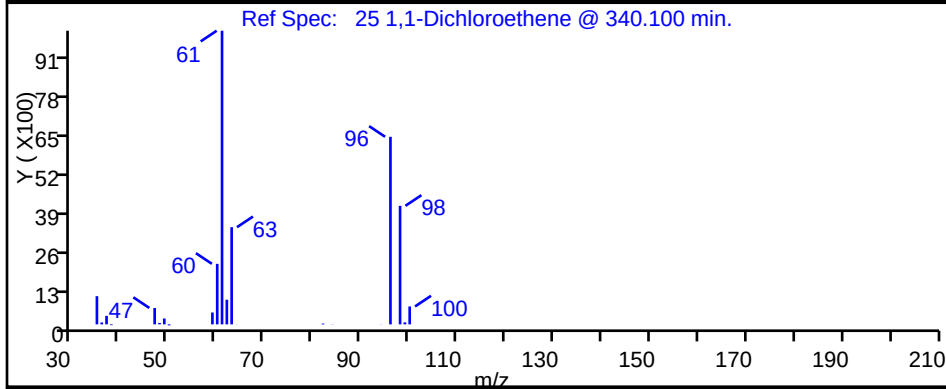
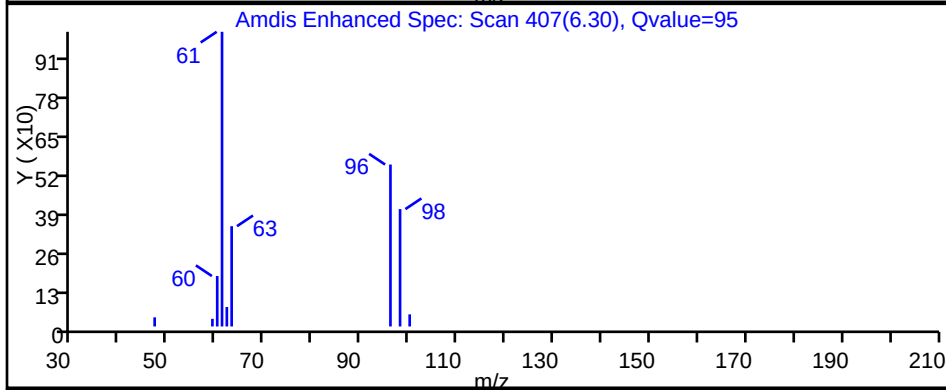
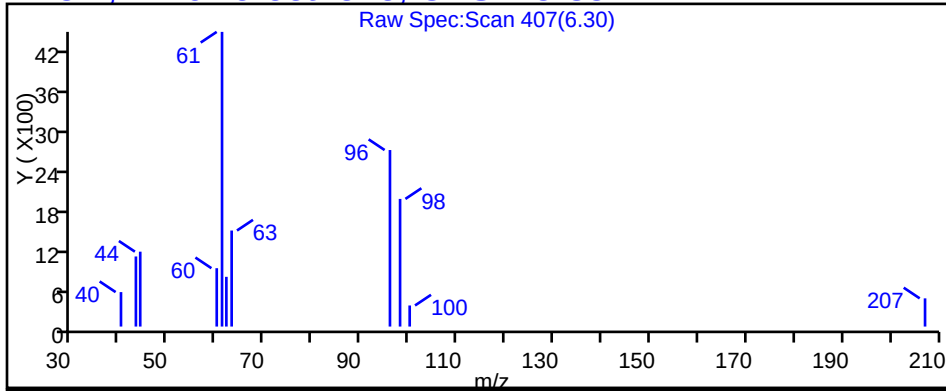
Dil. Factor: 2.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 1,1-Dichloroethene, CAS: 75-35-4

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0907.D

Injection Date: 03-Oct-2016 22:49:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-27

Lab Sample ID: 480-106799-27

Client ID: DUP-2_20160929

Operator ID: SY

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 2.0000

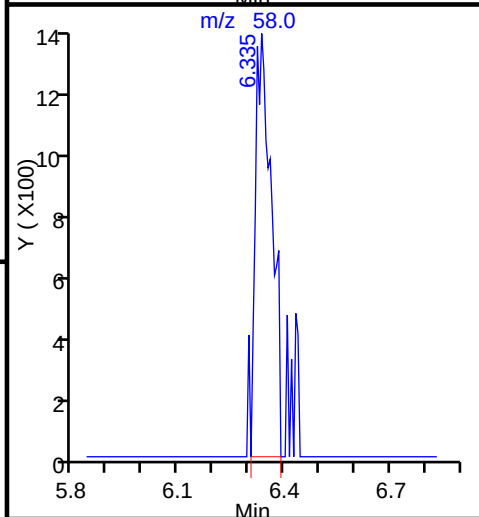
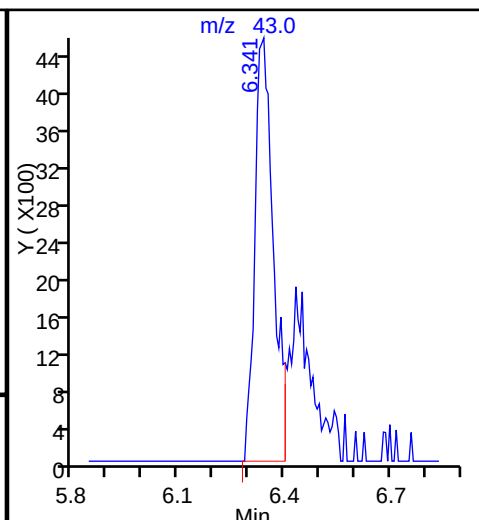
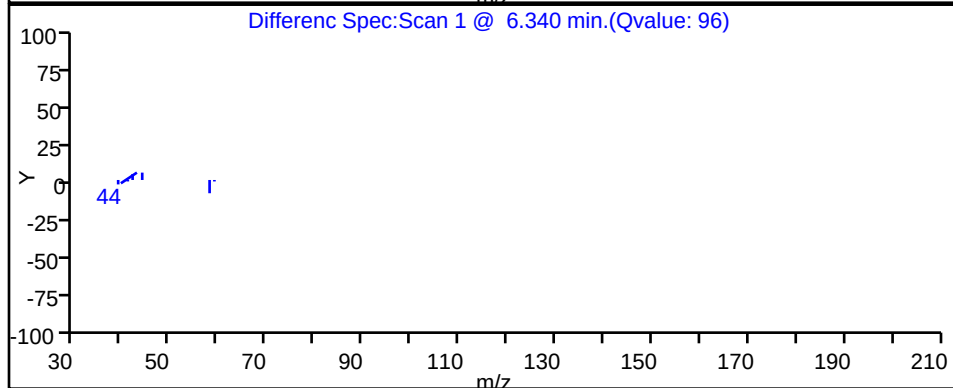
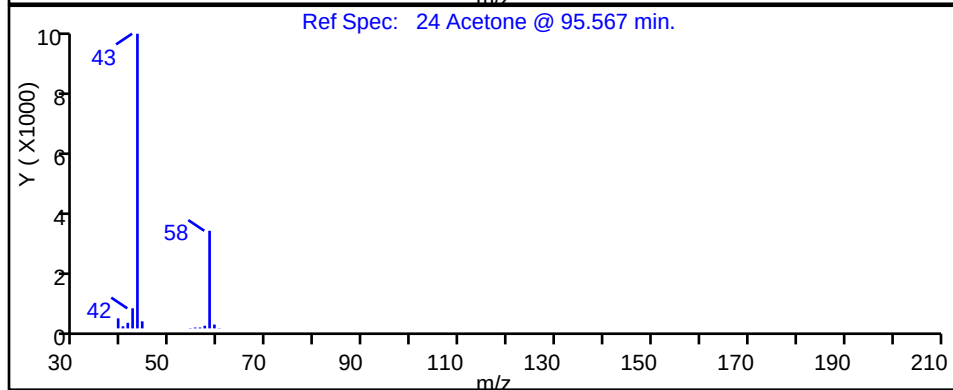
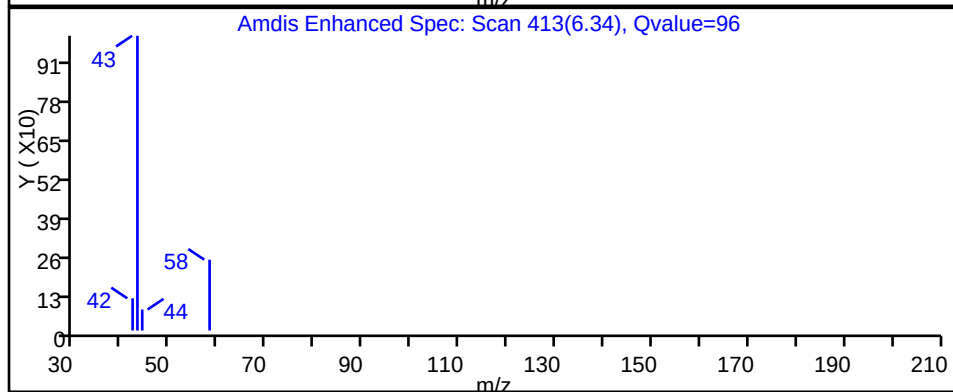
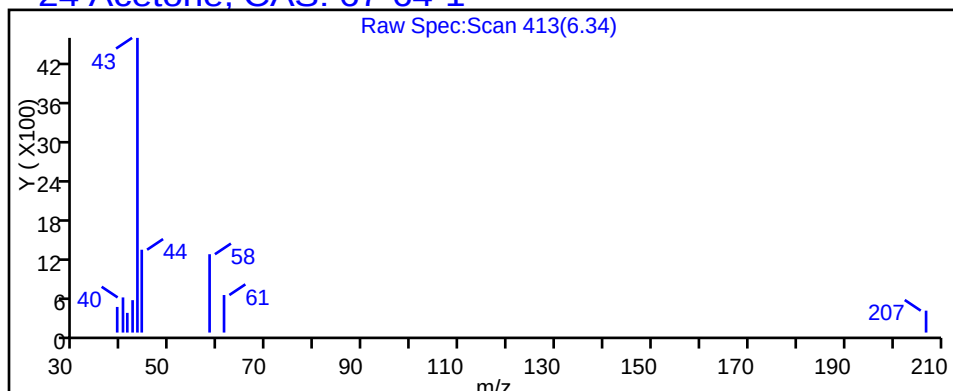
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

24 Acetone, CAS: 67-64-1



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0907.D

Injection Date: 03-Oct-2016 22:49:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-27

Lab Sample ID: 480-106799-27

Client ID: DUP-2_20160929

Operator ID: SY

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

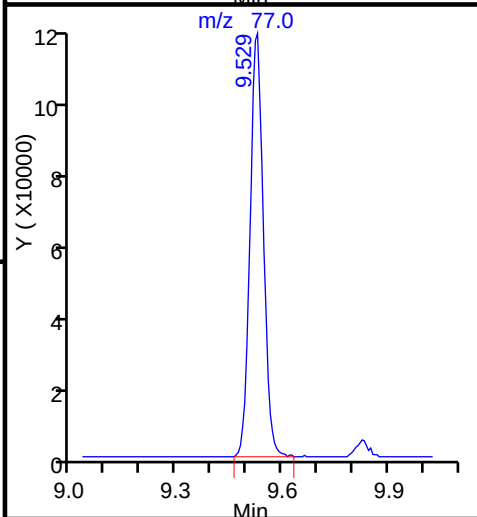
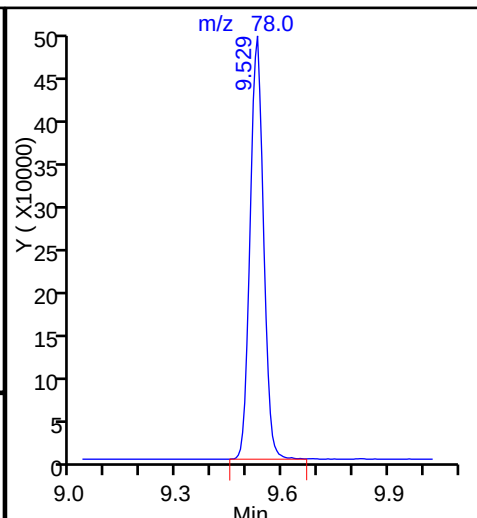
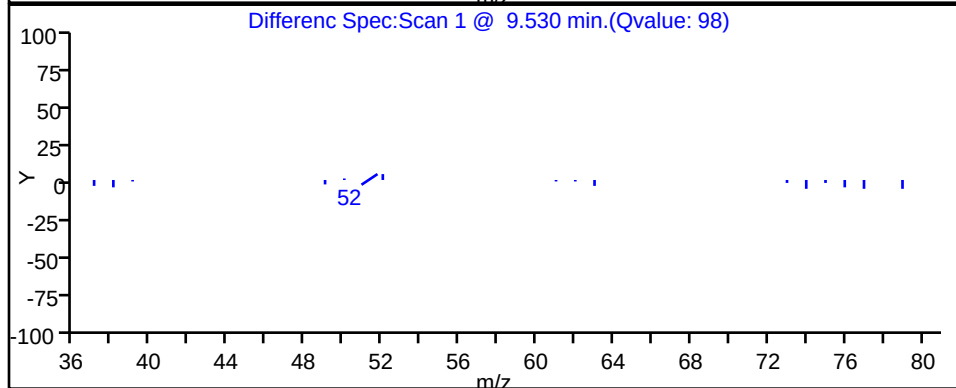
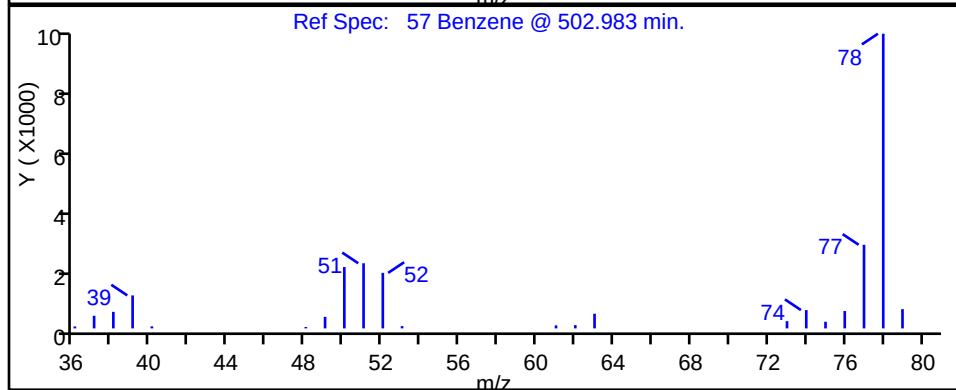
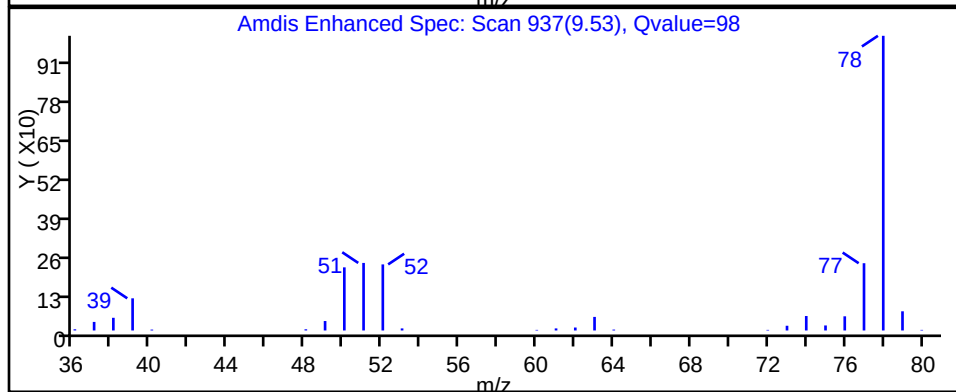
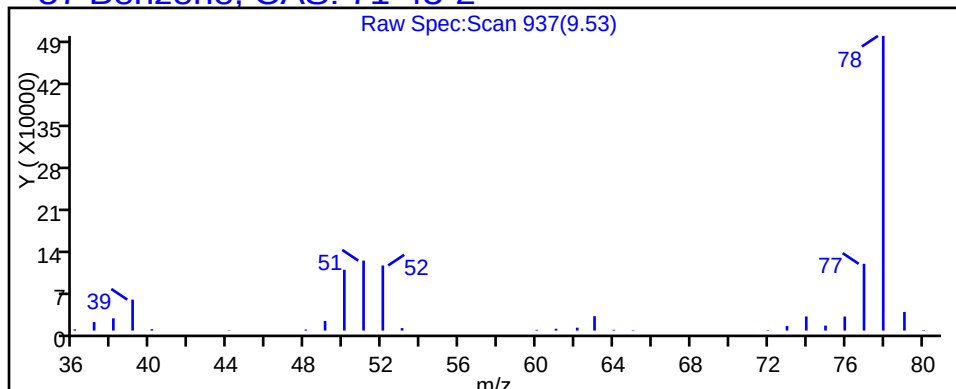
Dil. Factor: 2.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20161003-56940.b\\P0907.D

Injection Date: 03-Oct-2016 22:49:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-27

Lab Sample ID: 480-106799-27

Client ID: DUP-2_20160929

Operator ID: SY

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

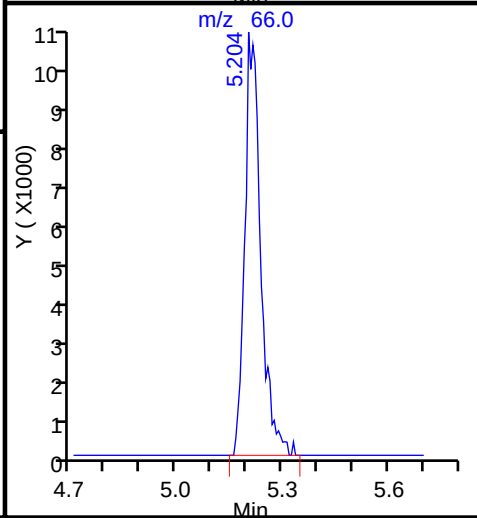
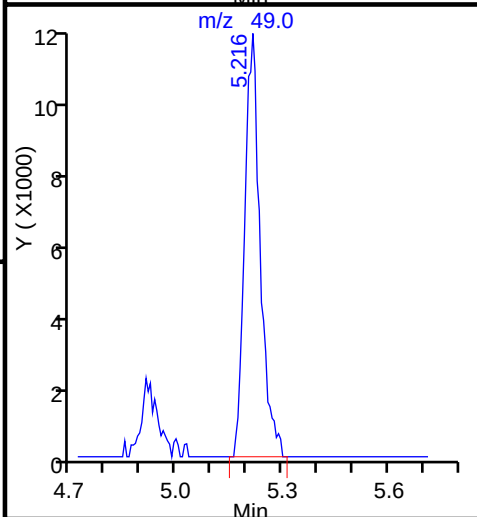
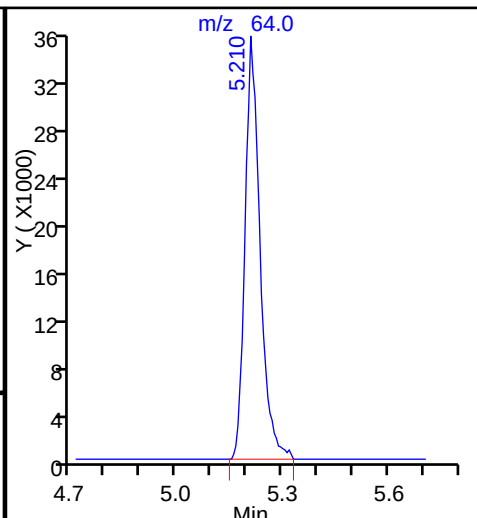
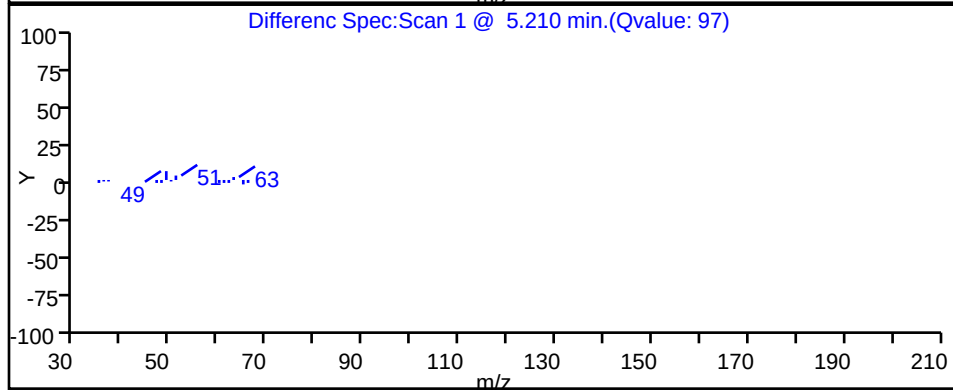
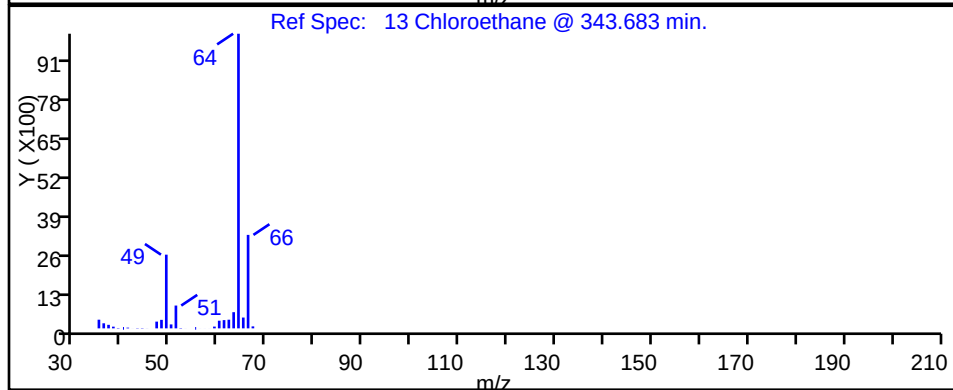
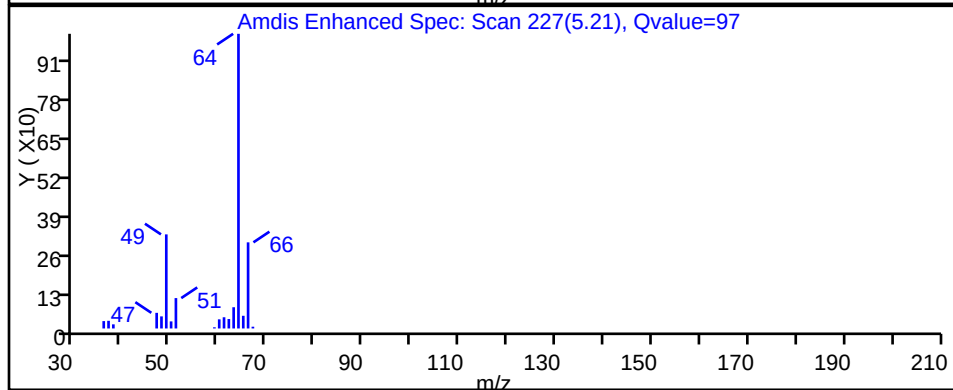
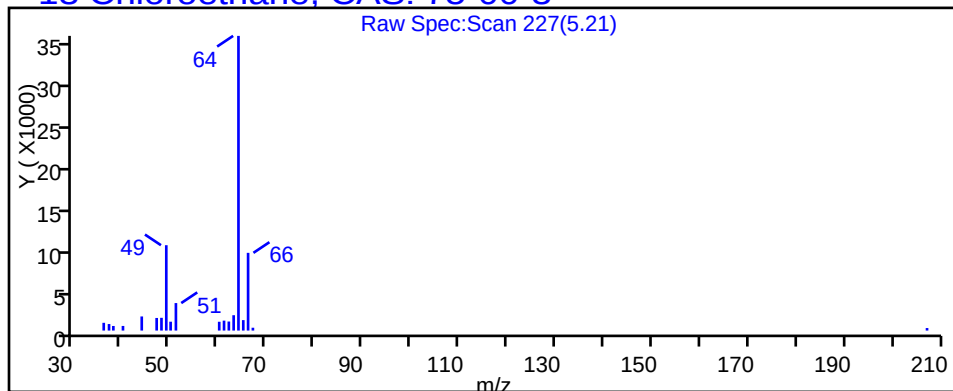
Dil. Factor: 2.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0907.D

Injection Date: 03-Oct-2016 22:49:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-27

Lab Sample ID: 480-106799-27

Client ID: DUP-2_20160929

Operator ID: SY

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

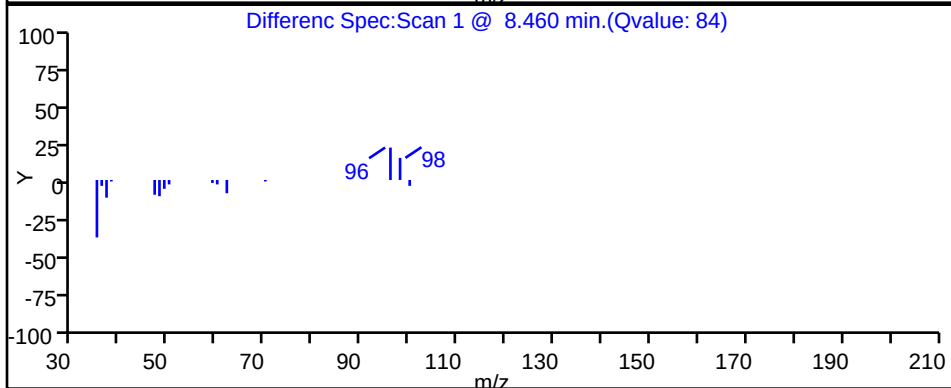
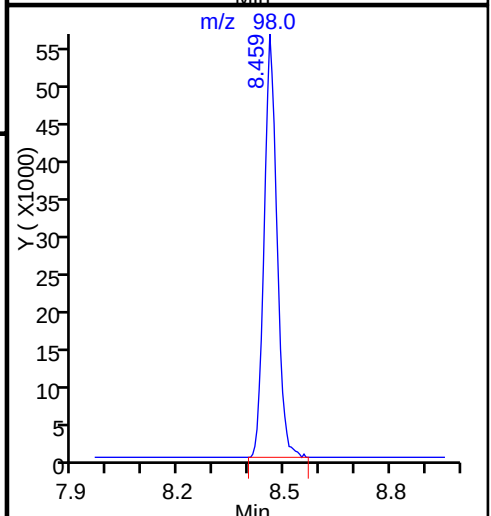
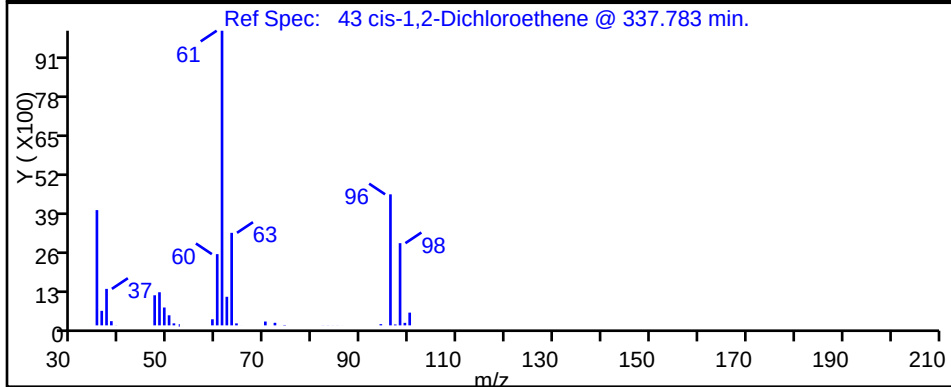
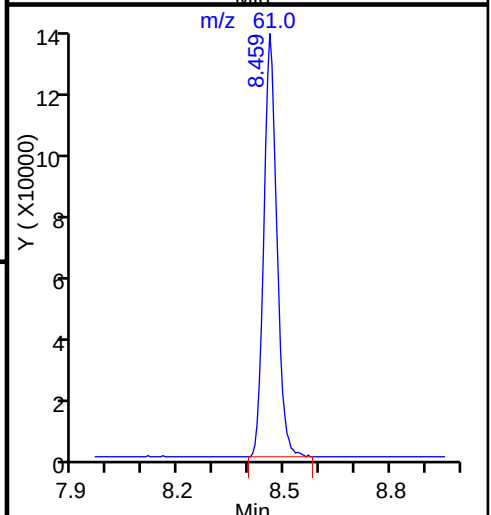
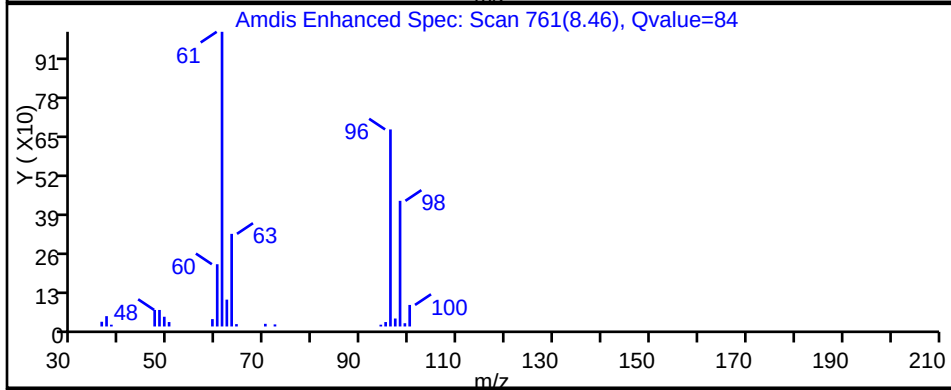
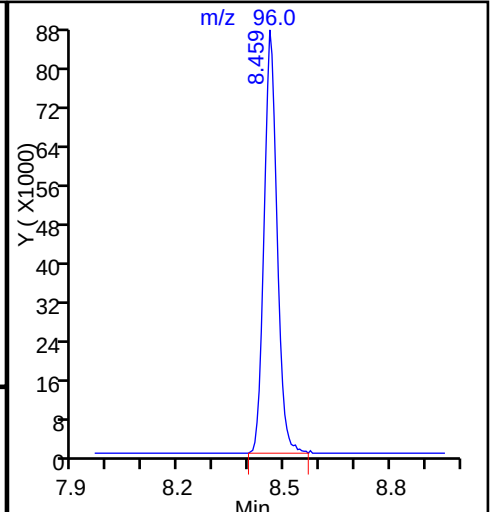
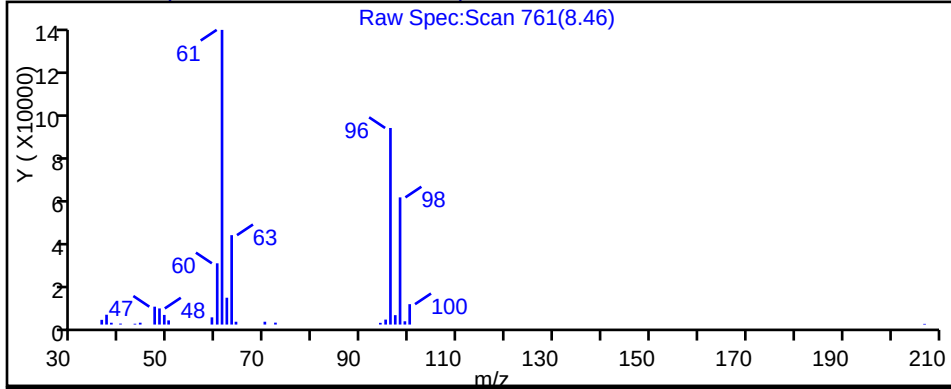
Dil. Factor: 2.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0907.D

Injection Date: 03-Oct-2016 22:49:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-27

Lab Sample ID: 480-106799-27

Client ID: DUP-2_20160929

Operator ID: SY

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

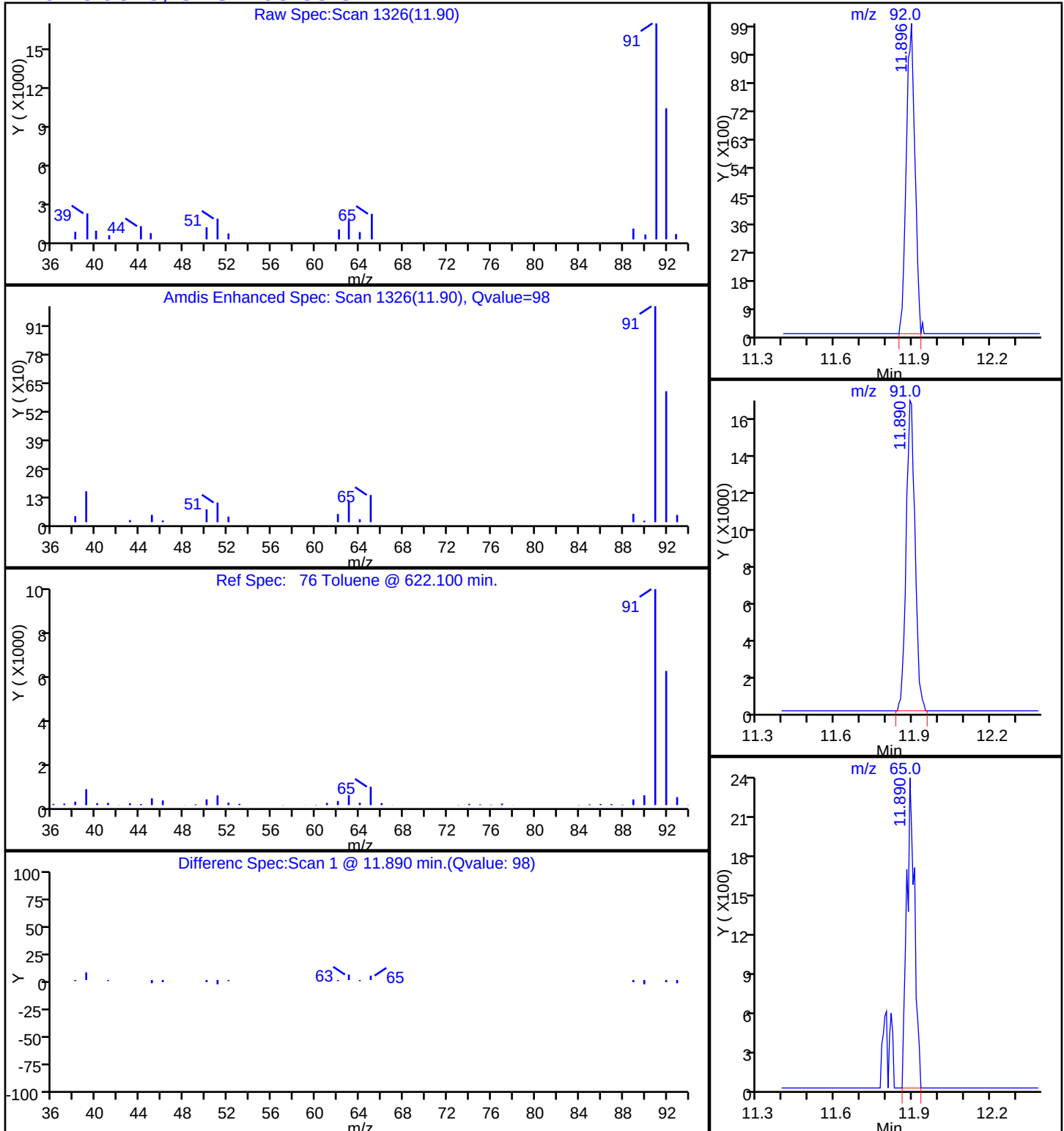
Dil. Factor: 2.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

76 Toluene, CAS: 108-88-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0907.D

Injection Date: 03-Oct-2016 22:49:30

Instrument ID: HP5973P

Lims ID: 480-106799-B-27

Lab Sample ID: 480-106799-27

Client ID: DUP-2_20160929

Operator ID: SY

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

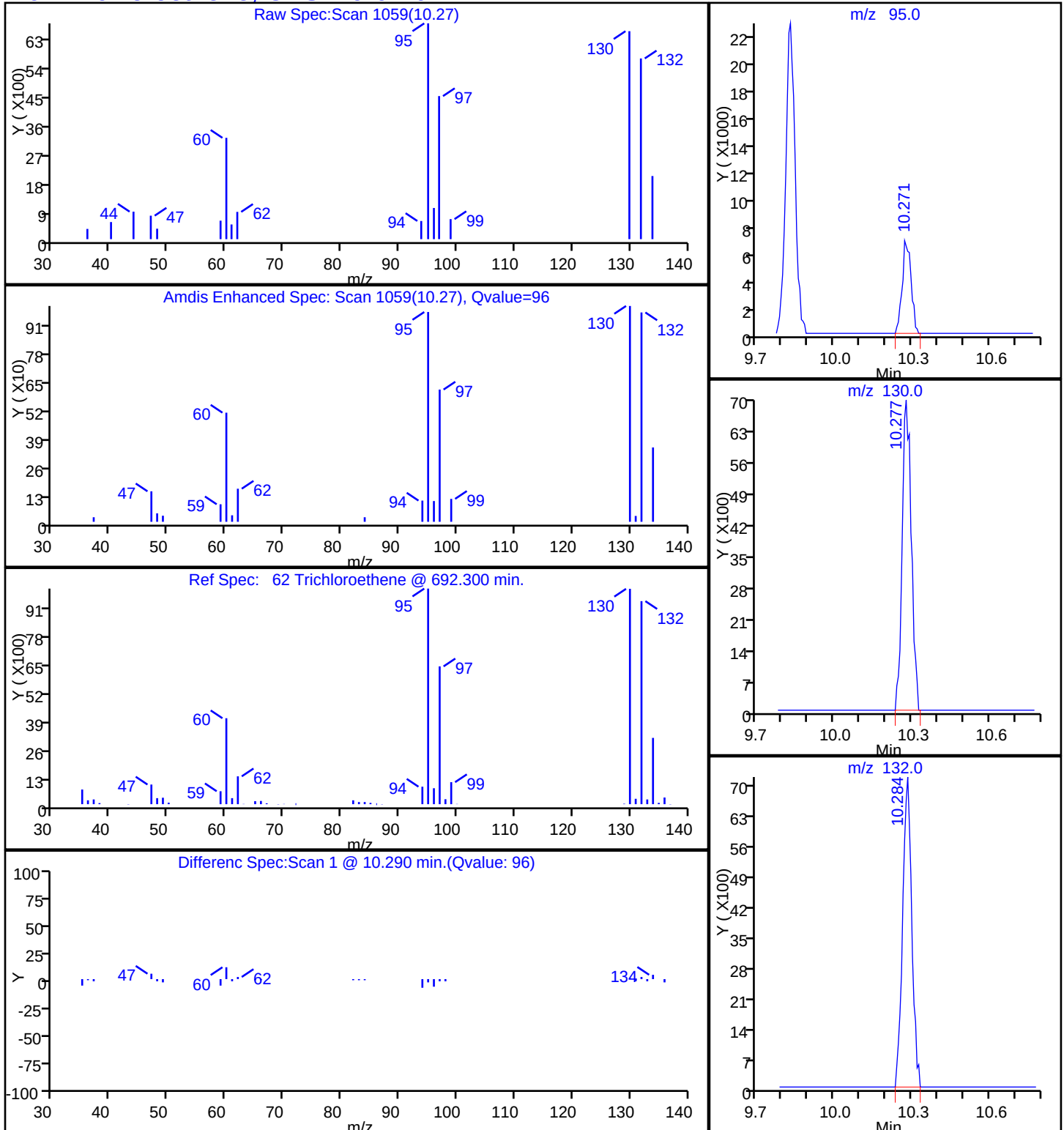
Dil. Factor: 2.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>FIELD BLANK</u>	Lab Sample ID: <u>480-106799-28</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0908.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 07:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/03/2016 23:16</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323586</u>	Units: <u>ug/L</u>

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)	1.0	U *	1.0	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	1.0	U	1.0	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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: FIELD BLANK Lab Sample ID: 480-106799-28
 Matrix: Water Lab File ID: P0908.D
 Analysis Method: 8260C Date Collected: 09/29/2016 07:40
 Sample wt/vol: 5 (mL) Date Analyzed: 10/03/2016 23:16
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323586 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)	87		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123
2037-26-5	Toluene-d8 (Surr)	87		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0908.D
 Lims ID: 480-106799-A-28
 Client ID: FIELD BLANK
 Sample Type: Client
 Inject. Date: 03-Oct-2016 23:16:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-28
 Misc. Info.: 480-0056940-012
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 04-Oct-2016 15:40:48 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: farrellr

Date: 04-Oct-2016 15:40:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.827	9.821	0.006	98	129771	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.764	0.000	86	266262	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.751	0.000	96	310277	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	92	151086	23.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.462	9.456	0.006	0	90193	21.7	
\$ 5 Toluene-d8 (Surr)	98	11.805	11.799	0.006	93	515251	21.8	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	205005	25.3	
10 Dichlorodifluoromethane	85		3.981				ND	
11 Chloromethane	50		4.297				ND	
17 Vinyl chloride	62		4.529				ND	
12 Bromomethane	94		5.076				ND	
13 Chloroethane	64		5.198				ND	
14 Trichlorofluoromethane	101		5.611				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.244				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43	6.336	6.336	0.013	94	10171	1.91	7
27 Carbon disulfide	76		6.664				ND	
30 Methyl acetate	43		6.700				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.163				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.067				ND	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78	9.523	9.523	0.006	11	6981	0.1975	
60 1,2-Dichloroethane	62		9.541				ND	
62 Trichloroethene	95		10.278				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.015				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.560				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.430				ND	
102 1,3,5-Trimethylbenzene	105		15.728				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.274				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\PO908.D

Injection Date: 03-Oct-2016 23:16:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-28

Lab Sample ID: 480-106799-28

Worklist Smp#: 12

Client ID: FIELD BLANK

Purge Vol: 5.000 mL

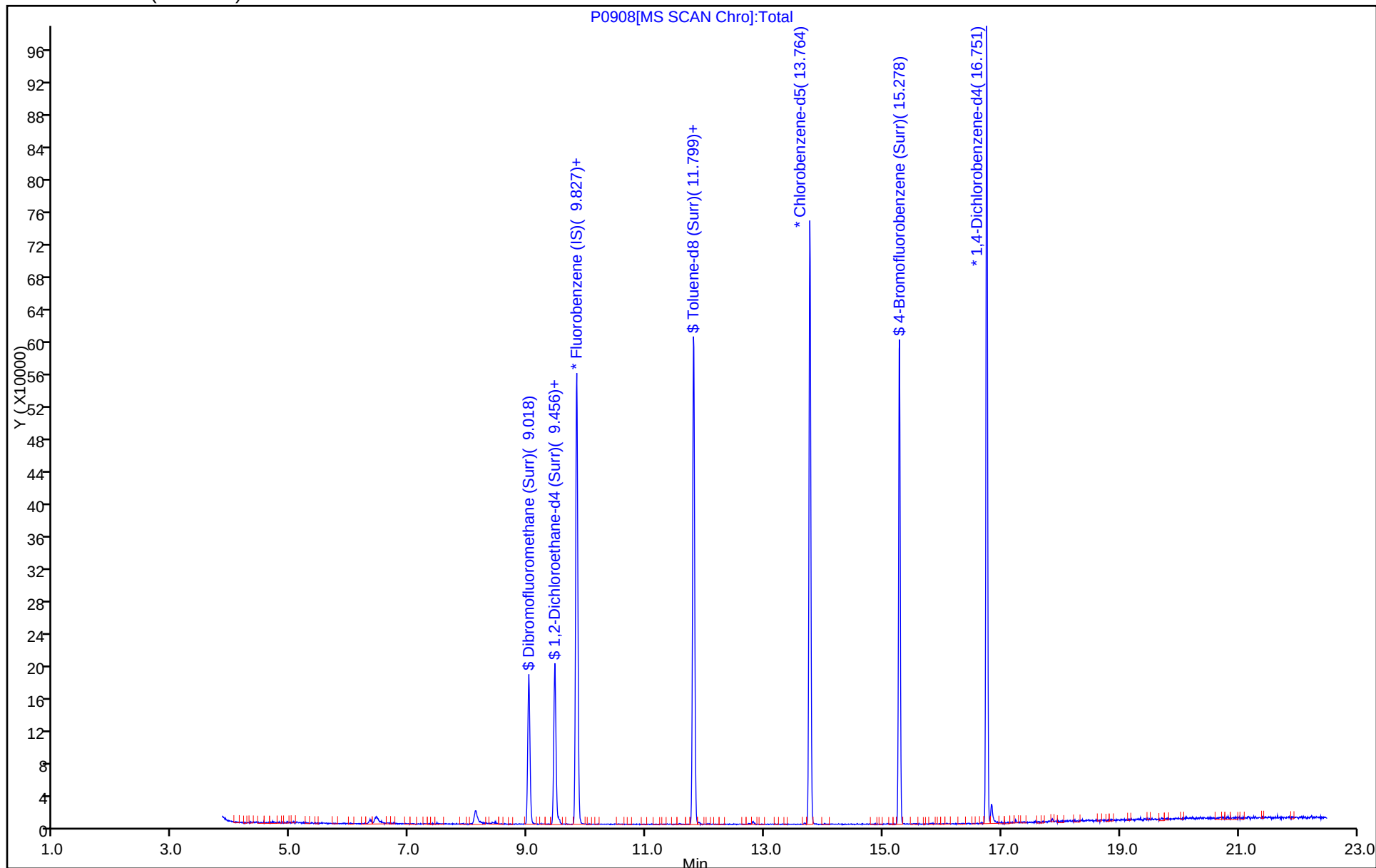
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>TB-20160929</u>	Lab Sample ID: <u>480-106799-29</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0909.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/03/2016 23:43</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323586</u>	Units: <u>ug/L</u>

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)	1.0	U *	1.0	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	1.0	U	1.0	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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: TB-20160929 Lab Sample ID: 480-106799-29
 Matrix: Water Lab File ID: P0909.D
 Analysis Method: 8260C Date Collected: 09/29/2016 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 10/03/2016 23:43
 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.: 323586 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)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123
2037-26-5	Toluene-d8 (Surr)	86		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0909.D
 Lims ID: 480-106799-A-29
 Client ID: TB-20160929
 Sample Type: Client
 Inject. Date: 03-Oct-2016 23:43:30 ALS Bottle#: 13 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-29
 Misc. Info.: 480-0056940-013
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 04-Oct-2016 15:48:21 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: farrellr

Date: 04-Oct-2016 15:48:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	9.821	9.821	0.000	98	126030	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.764	-0.001	86	263224	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.751	-0.001	96	305242	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.018	-0.006	92	148817	24.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	91902	22.8	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.799	-0.001	93	504585	21.6	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	201079	25.1	
10 Dichlorodifluoromethane	85		3.981				ND	
11 Chloromethane	50		4.297				ND	
17 Vinyl chloride	62		4.529				ND	
12 Bromomethane	94		5.076				ND	
13 Chloroethane	64		5.198				ND	
14 Trichlorofluoromethane	101		5.611				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.244				ND	
25 1,1-Dichloroethene	96		6.287				ND	
24 Acetone	43	6.323	6.323	0.000	95	7580	1.46	7
27 Carbon disulfide	76		6.664				ND	
30 Methyl acetate	43		6.700				ND	
31 Methylene Chloride	84		6.907				ND	
32 Methyl tert-butyl ether	73		7.163				ND	
35 trans-1,2-Dichloroethene	96		7.230				ND	
40 1,1-Dichloroethane	63		7.753				ND	
44 2-Butanone (MEK)	43		8.398				ND	
43 cis-1,2-Dichloroethene	96		8.453				ND	
49 Chloroform	83		8.805				ND	
52 1,1,1-Trichloroethane	97		9.067				ND	
54 Cyclohexane	56		9.140				ND	
55 Carbon tetrachloride	117		9.274				ND	
57 Benzene	78		9.517				ND	
60 1,2-Dichloroethane	62		9.541				ND	
62 Trichloroethene	95		10.278				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		10.509				ND	
63 1,2-Dichloropropane	63		10.582				ND	
70 Dichlorobromomethane	83		10.910				ND	
73 cis-1,3-Dichloropropene	75		11.446				ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555				ND	
76 Toluene	92		11.890				ND	
78 trans-1,3-Dichloropropene	75		12.145				ND	
79 1,1,2-Trichloroethane	83		12.431				ND	
80 Tetrachloroethene	166		12.632				ND	
83 2-Hexanone	43		12.644				ND	
81 Chlorodibromomethane	129		13.015				ND	
85 Ethylene Dibromide	107		13.210				ND	
87 Chlorobenzene	112		13.800				ND	
89 Ethylbenzene	91		13.867				ND	
90 m-Xylene & p-Xylene	106		14.007				ND	
93 o-Xylene	106		14.560				ND	
94 Styrene	104		14.579				ND	
92 Bromoform	173		14.932				ND	
95 Isopropylbenzene	105		15.005				ND	
97 1,1,2,2-Tetrachloroethane	83		15.430				ND	
102 1,3,5-Trimethylbenzene	105		15.728				ND	
107 1,2,4-Trimethylbenzene	105		16.227				ND	
110 1,3-Dichlorobenzene	146		16.678				ND	
111 1,4-Dichlorobenzene	146		16.781				ND	
113 1,2,3-Trimethylbenzene	105		16.787				ND	
116 1,2-Dichlorobenzene	146		17.274				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247				ND	
119 1,2,4-Trichlorobenzene	180		19.318				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\PO909.D

Injection Date: 03-Oct-2016 23:43:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-29

Lab Sample ID: 480-106799-29

Worklist Smp#: 13

Client ID: TB-20160929

Purge Vol: 5.000 mL

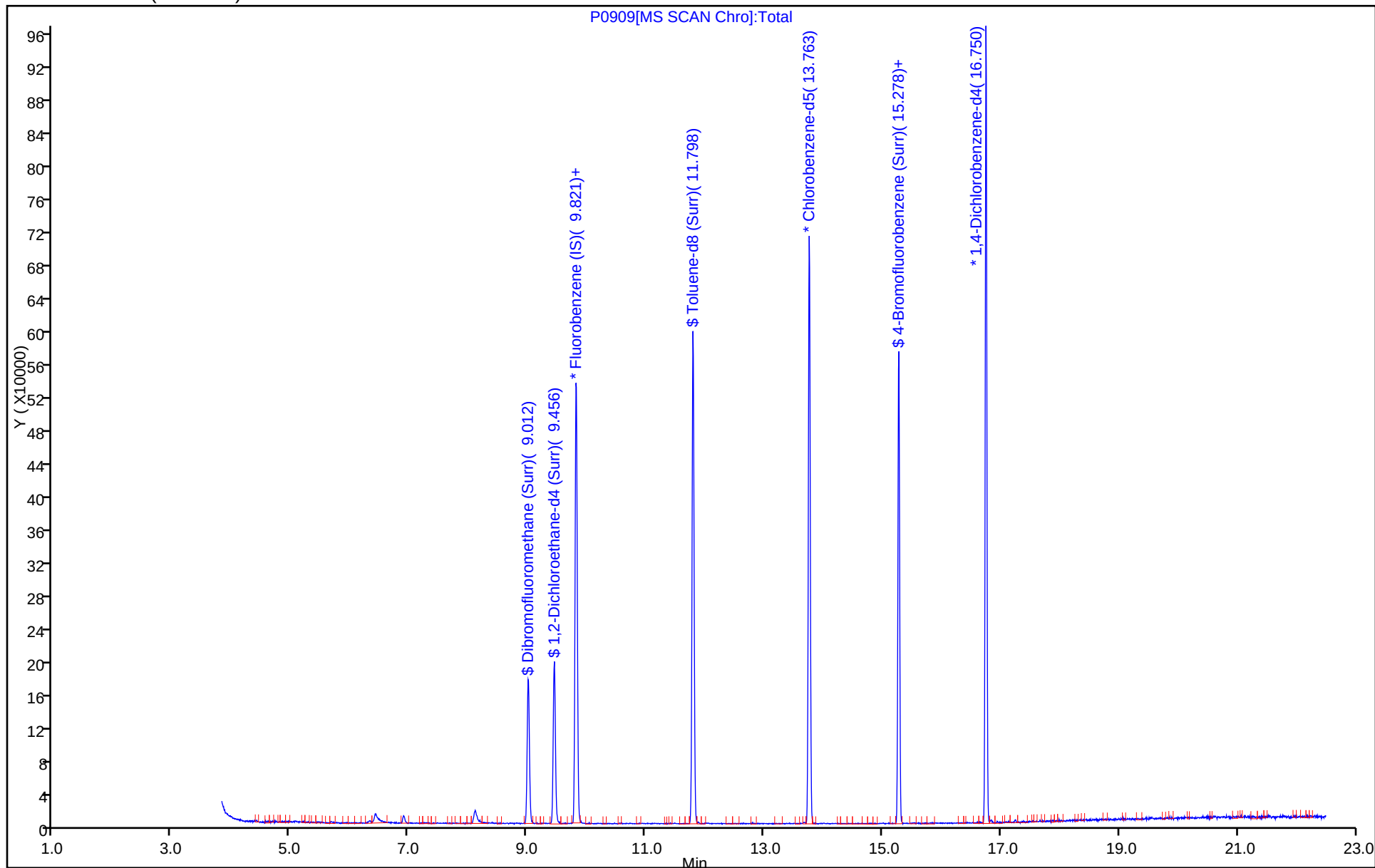
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: P-8260H2O

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.: 480-106799-1 Analy Batch No.: 320502

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 15:01 Calibration End Date: 09/15/2016 17:44 Calibration ID: 28332

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320502/5	P0159.D
Level 2	IC 480-320502/6	P0160.D
Level 3	IC 480-320502/7	P0161.D
Level 4	IC 480-320502/8	P0162.D
Level 5	ICIS 480-320502/9	P0163.D
Level 6	IC 480-320502/10	P0164.D
Level 7	IC 480-320502/11	P0165.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.0365 2.0806	2.1320 2.0046	2.2049	2.0403	2.0649	Ave		2.0806			0.1000	3.3		20.0			
Chloromethane	++++ 2.1176	2.3606 2.0954	2.1407	2.1844	2.1713	Ave		2.1783			0.1000	4.4		20.0			
Vinyl chloride	1.4762 1.5480	1.7048 1.5215	1.6129	1.5650	1.6159	Ave		1.5778			0.1000	4.7		20.0			
Butadiene	++++ 1.6524	1.8650 1.6069	1.7343	1.6818	1.7090	Ave		1.7082				5.2		20.0			
Bromomethane	0.7281 0.6642	0.8141 0.6725	0.6269	0.6333	0.6091	Ave		0.6783			0.1000	10.5		20.0			
Chloroethane	++++ 0.8100	0.8464 0.8545	0.9119	0.7943	0.8320	Ave		0.8415			0.1000	4.9		20.0			
Dichlorofluoromethane	++++ 3.0018	3.0972 2.5381	2.7019	2.6369	2.5805	Ave		2.7594				8.5		20.0			
Trichlorofluoromethane	2.9386 3.0167	2.8572 2.8725	2.9234	2.8943	2.9185	Ave		2.9173			0.1000	1.8		20.0			
Ethyl ether	++++ 1.9496	1.9409 1.8638	1.9922	1.9511	1.9797	Ave		1.9462				2.3		20.0			
Acrolein	++++ 0.5150	0.4236 0.4967	0.4435	0.4847	0.5130	Ave		0.4794				7.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0573 1.8462	2.0000 1.7410	2.0025	1.9375	1.9200	Ave		1.9292			0.1000	5.6		20.0			
1,1-Dichloroethene	++++ 1.6151	1.7554 1.5496	1.7665	1.6898	1.7094	Ave		1.6810			0.1000	5.0		20.0			
Acetone	++++ 1.0025	1.1595 0.9396	1.0127	1.0232	1.0220	Ave		1.0266			0.1000	7.0		20.0			
Iodomethane	++++ 3.1939	3.2602 3.0806	3.2683	3.2447	3.2990	Ave		3.2245				2.4		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.: 480-106799-1 Analy Batch No.: 320502
SDG No.: _____
Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/15/2016 15:01 Calibration End Date: 09/15/2016 17:44 Calibration ID: 28332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	++++ 5.7454	6.0118 5.1280	5.8355	5.4957	5.8368	Ave		5.6755			0.1000	5.6		20.0			
Methyl acetate	3.0561 2.6287	2.7152 2.3269	2.7283	2.6939	2.6976	Ave		2.6924			0.1000	7.9		20.0			
Allyl chloride	++++ 3.7092	4.8340 3.4362	3.9882	3.9172	3.9527	Ave		3.9729				11.8		20.0			
Methylene Chloride	++++ 1.7733	3.8051 1.6678	2.0884	1.9589	1.8536	Lin1	2.2039	1.6880			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.5049 0.4536	0.4610 0.4247	0.4515	0.4455	0.4504	Ave		0.4559				5.3		20.0			
Methyl tert-butyl ether	++++ 5.5733	6.0521 5.1889	5.8419	5.7419	5.8175	Ave		5.7026			0.1000	5.2		20.0			
Acrylonitrile	1.5256 1.2110	1.3162 1.0653	1.2815	1.2820	1.2736	Ave		1.2793				10.7		20.0			
trans-1,2-Dichloroethene	++++ 1.6493	1.9680 1.5114	1.8530	1.7987	1.7971	Ave		1.7629			0.1000	9.1		20.0			
Hexane	++++ 3.0090	3.3595 2.9054	3.3256	3.1148	3.1789	Ave		3.1489				5.6		20.0			
Vinyl acetate	++++ 5.8504	5.9625 5.3858	5.9521	5.8443	5.9393	Ave		5.8224				3.8		20.0			
1,1-Dichloroethane	4.3736 3.5394	3.7890 3.3540	3.6937	3.6031	3.6831	Ave		3.7194			0.2000	8.6		20.0			
2-Butanone (MEK)	1.8815 1.8088	1.8793 1.6775	1.8631	1.8152	1.8122	Ave		1.8197			0.1000	3.9		20.0			
2,2-Dichloropropane	++++ 2.4549	2.7165 2.2706	2.6740	2.6072	2.6070	Ave		2.5550				6.5		20.0			
cis-1,2-Dichloroethene	++++ 1.8689	2.0927 1.7467	1.9629	1.9429	1.9745	Ave		1.9314			0.1000	6.0		20.0			
Chlorobromomethane	0.9736 0.9923	1.0516 0.9460	1.0130	0.9842	1.0218	Ave		0.9975				3.5		20.0			
Tetrahydrofuran	++++ 1.2095	1.4846 1.1014	1.2966	1.2291	1.2413	Ave		1.2604				10.1		20.0			
Chloroform	++++ 2.8879	3.3854 2.6986	3.0193	2.9771	2.9995	Ave		2.9946			0.2000	7.5		20.0			
1,1,1-Trichloroethane	++++ 2.6942	2.6974 2.5937	2.7034	2.7280	2.7648	Ave		2.6969			0.1000	2.1		20.0			
Cyclohexane	++++ 4.0324	4.5344 3.8324	4.3604	4.1802	4.2335	Ave		4.1956			0.1000	5.9		20.0			
Isobutyl alcohol	0.1957 0.2178	0.1751 0.1956	0.2114	0.2154	0.2213	Ave		0.2046				8.1		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.: 480-106799-1 Analy Batch No.: 320502
SDG No.: _____
Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/15/2016 15:01 Calibration End Date: 09/15/2016 17:44 Calibration ID: 28332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	++++ 2.2629	2.4823 2.0680	2.5219	2.3895	2.3898	Ave		2.3524				7.0		20.0			
Carbon tetrachloride	++++ 2.5061	2.5063 2.3630	2.5788	2.5842	2.6056	Ave		2.5240			0.1000	3.5		20.0			
Benzene	++++ 6.6930	7.2134 6.2430	7.0484	6.7981	6.8678	Ave		6.8106			0.5000	4.9		20.0			
1,2-Dichloroethane	++++ 2.7487	3.0656 2.5587	2.8724	2.8309	2.8332	Ave		2.8182			0.1000	5.9		20.0			
n-Heptane	++++ 2.9572	4.3066 2.8009	3.5462	3.2148	3.1086	Ave		3.3224				16.4		20.0			
Trichloroethene	++++ 1.8353	1.9225 1.7488	1.8474	1.8382	1.8645	Ave		1.8428			0.2000	3.0		20.0			
Methylcyclohexane	++++ 2.9143	3.1442 2.7801	3.1623	3.0239	3.0596	Ave		3.0141			0.1000	4.8		20.0			
1,2-Dichloropropane	++++ 1.9774	2.0215 1.8987	2.0519	1.9872	1.9926	Ave		1.9882			0.1000	2.6		20.0			
1,4-Dioxane	0.0105 0.0147	0.0125 0.0141	0.0140	0.0149	0.0148	Ave		0.0136				11.9		20.0			
Dibromomethane	++++ 1.2198	1.2732 1.1650	1.2077	1.2110	1.2304	Ave		1.2179			0.1000	2.9		20.0			
Bromodichloromethane	++++ 2.2651	2.1039 2.2243	2.1449	2.1291	2.2362	Ave		2.1839			0.2000	3.0		20.0			
2-Chloroethyl vinyl ether	++++ 1.6454	1.5630 1.5781	1.5876	1.5515	1.6061	Ave		1.5886				2.1		20.0			
cis-1,3-Dichloropropene	2.8954 2.8983	2.6664 2.7995	2.8511	2.7776	2.8729	Ave		2.8230			0.2000	2.9		20.0			
4-Methyl-2-pentanone (MIBK)	2.0447 1.6717	1.8461 1.4173	1.8180	1.8120	1.7920	Ave		1.7717			0.1000	10.8		20.0			
Toluene	++++ 2.1458	2.3606 2.0461	2.1872	2.1726	2.1970	Ave		2.1849			0.4000	4.7		20.0			
Ethyl methacrylate	1.3373 1.3004	1.2943 1.2296	1.2309	1.2732	1.2980	Ave		1.2805				3.1		20.0			
trans-1,3-Dichloropropene	++++ 1.3379	1.2905 1.2608	1.2602	1.3077	1.3306	Ave		1.2979			0.1000	2.6		20.0			
1,1,2-Trichloroethane	++++ 0.6836	0.6819 0.6581	0.6942	0.6797	0.6791	Ave		0.6794			0.1000	1.7		20.0			
Tetrachloroethene	++++ 0.8991	1.0257 0.8118	1.0003	0.9555	0.9657	Ave		0.9430			0.2000	8.2		20.0			
2-Hexanone	++++ 1.1627	1.3446 0.9532	1.3070	1.2812	1.2582	Ave		1.2178			0.1000	11.8		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.: 480-106799-1 Analy Batch No.: 320502
SDG No.: _____
Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/15/2016 15:01 Calibration End Date: 09/15/2016 17:44 Calibration ID: 28332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3-Dichloropropane	++++ 1.2904	1.3850 1.1324	1.3956	1.3669	1.3545	Ave		1.3208				7.5		20.0			
Dibromochloromethane	0.9667 0.9929	0.8187 0.9914	0.8736	0.8829	0.9644	Ave		0.9272			0.1000	7.4		20.0			
1,2-Dibromoethane	++++ 0.9685	0.8954 0.9296	0.9421	0.9294	0.9478	Ave		0.9355				2.6		20.0			
Chlorobenzene	++++ 2.4136	2.5711 2.2958	2.4204	2.4695	2.4487	Ave		2.4365			0.5000	3.7		20.0			
Ethylbenzene	++++ 3.8734	4.1556 3.5205	4.1258	4.0489	4.0401	Ave		3.9607			0.1000	6.0		20.0			
1,1,1,2-Tetrachloroethane	0.9872 0.9050	0.9154 0.8444	0.8890	0.9307	0.9258	Ave		0.9139				4.8		20.0			
m,p-Xylene	1.9310 1.6507	1.6826 1.5445	1.6979	1.6655	1.6814	Ave		1.6934			0.1000	6.9		20.0			
o-Xylene	++++ 1.6458	1.7820 1.4876	1.7101	1.7160	1.7303	Ave		1.6786			0.3000	6.2		20.0			
Styrene	++++ 2.6433	2.6544 2.3851	2.7442	2.7504	2.7696	Ave		2.6578			0.3000	5.4		20.0			
Bromoform	++++ 0.6960	0.5338 0.7030	0.5581	0.5866	0.6549	Ave		0.6221			0.1000	11.6		20.0			
Isopropylbenzene	++++ 4.0481	4.0243 3.8741	4.1096	4.0233	4.0618	Ave		4.0235			0.1000	2.0		20.0			
1,1,2,2-Tetrachloroethane	++++ 1.2564	1.1766 1.2566	1.1806	1.1778	1.2317	Ave		1.2133			0.3000	3.2		20.0			
trans-1,4-Dichloro-2-butene	0.5808 0.5648	0.4645 0.5521	0.5403	0.5412	0.5523	Ave		0.5423				6.8		20.0			
1,2,3-Trichloropropane	0.3802 0.3582	0.3883 0.3277	0.3933	0.3882	0.3759	Ave		0.3731				6.2		20.0			
Bromobenzene	++++ 0.9790	1.0409 0.8947	1.0432	0.9949	0.9899	Ave		0.9904				5.5		20.0			
N-Propylbenzene	++++ 4.4354	4.7349 3.9067	4.8017	4.6209	4.5341	Ave		4.5056				7.1		20.0			
2-Chlorotoluene	++++ 0.9431	1.0295 0.8669	1.0087	0.9856	0.9902	Ave		0.9707				6.0		20.0			
1,3,5-Trimethylbenzene	++++ 3.3125	3.3450 3.0244	3.4804	3.3380	3.4231	Ave		3.3205				4.8		20.0			
4-Chlorotoluene	++++ 1.0277	1.0044 0.9841	1.0509	1.0098	1.0205	Ave		1.0162				2.2		20.0			
tert-Butylbenzene	++++ 0.7637	0.7486 0.7457	0.7780	0.7563	0.7625	Ave		0.7591				1.5		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.: 480-106799-1 Analy Batch No.: 320502
SDG No.: _____
Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/15/2016 15:01 Calibration End Date: 09/15/2016 17:44 Calibration ID: 28332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	++++ 3.5652	3.5437 3.3579	3.5612	3.5613	3.5989	Ave		3.5314				2.5		20.0			
sec-Butylbenzene	++++ 4.4006	4.2929 4.1876	4.4493	4.3364	4.4129	Ave		4.3466				2.2		20.0			
4-Isopropyltoluene	++++ 3.8579	3.8232 3.6623	3.9101	3.7913	3.8835	Ave		3.8214				2.3		20.0			
1,3-Dichlorobenzene	++++ 2.0346	2.1431 1.9410	2.0942	2.0167	2.0455	Ave		2.0458			0.6000	3.4		20.0			
1,4-Dichlorobenzene	++++ 2.0482	2.0946 1.9460	2.1032	2.0362	2.0407	Ave		2.0448			0.5000	2.7		20.0			
n-Butylbenzene	++++ 3.3354	3.2188 3.2023	3.3823	3.2745	3.3565	Ave		3.2950				2.3		20.0			
1,2-Dichlorobenzene	++++ 2.0774	2.1076 2.0008	2.0638	2.0186	2.0534	Ave		2.0536			0.4000	1.9		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.3548	0.2910 0.3593	0.3060	0.3104	0.3332	Ave		0.3258			0.0500	8.5		20.0			
1,2,4-Trichlorobenzene	++++ 1.5455	1.5209 1.5209	1.5343	1.5316	1.5405	Ave		1.5323			0.2000	0.7		20.0			
Hexachlorobutadiene	++++ 0.5711	0.5734 0.5832	0.5765	0.5571	0.5830	Ave		0.5740				1.7		20.0			
Naphthalene	++++ 5.2208	5.0109 5.0443	5.1117	5.1047	5.2156	Ave		5.1180				1.7		20.0			
1,2,3-Trichlorobenzene	1.6527 1.5190	1.5005 1.5041	1.5363	1.4606	1.4927	Ave		1.5237				4.0		20.0			
Dibromofluoromethane (Surr)	1.2442 1.2201	1.2325 1.2079	1.2325	1.2361	1.2478	Ave		1.2316				1.1		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8109 0.7901	0.7870 0.7947	0.8245	0.7929	0.8090	Ave		0.8013				1.7		20.0			
Toluene-d8 (Surr)	2.2455 2.2138	2.1924 2.2404	2.1879	2.2340	2.2271	Ave		2.2202				1.0		20.0			
4-Bromofluorobenzene (Surr)	0.7593 0.7587	0.7596 0.7628	0.7558	0.7612	0.7664	Ave		0.7606				0.4		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.: 480-106799-1 Analy Batch No.: 320502

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 15:01 Calibration End Date: 09/15/2016 17:44 Calibration ID: 28332

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320502/5	P0159.D
Level 2	IC 480-320502/6	P0160.D
Level 3	IC 480-320502/7	P0161.D
Level 4	IC 480-320502/8	P0162.D
Level 5	ICIS 480-320502/9	P0163.D
Level 6	IC 480-320502/10	P0164.D
Level 7	IC 480-320502/11	P0165.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	6179 655704	13065 1286953	66410	125122	316997	0.500 50.0	1.00 100	5.00	10.0	25.0
Chloromethane	FB	Ave	++++ 667357	14466 1345244	64475	133956	333329	++++ 50.0	1.00 100	5.00	10.0	25.0
Vinyl chloride	FB	Ave	4479 487868	10447 976777	48580	95970	248064	0.500 50.0	1.00 100	5.00	10.0	25.0
Butadiene	FB	Ave	++++ 520763	11429 1031619	52234	103137	262362	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromomethane	FB	Ave	2209 209309	4989 431741	18881	38835	93512	0.500 50.0	1.00 100	5.00	10.0	25.0
Chloroethane	FB	Ave	++++ 255260	5187 548566	27465	48709	127724	++++ 50.0	1.00 100	5.00	10.0	25.0
Dichlorofluoromethane	FB	Ave	++++ 946017	18980 1629464	81378	161706	396147	++++ 50.0	1.00 100	5.00	10.0	25.0
Trichlorofluoromethane	FB	Ave	8916 950709	17509 1844175	88048	177493	448037	0.500 50.0	1.00 100	5.00	10.0	25.0
Ethyl ether	FB	Ave	++++ 614419	11894 1196581	60004	119651	303919	++++ 50.0	1.00 100	5.00	10.0	25.0
Acrolein	FB	Ave	++++ 811486	12978 1594366	66795	148633	393742	++++ 250	5.00 500	25.0	50.0	125
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	6242 581840	12256 1117718	60312	118813	294757	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethene	FB	Ave	++++ 509003	10757 994872	53205	103627	262421	++++ 50.0	1.00 100	5.00	10.0	25.0
Acetone	FB	Ave	++++ 1579639	35529 3016175	152504	313735	784445	++++ 250	5.00 500	25.0	50.0	125
Iodomethane	FB	Ave	++++ 1006552	19979 1977753	98437	198982	506456	++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon disulfide	FB	Ave	++++ 1810688	36841 3292174	175758	337019	896050	++++ 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.: 480-106799-1 Analy Batch No.: 320502

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 15:01 Calibration End Date: 09/15/2016 17:44 Calibration ID: 28332

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
Methyl acetate	FB	Ave	46362 4142262	83195 7469251	410870	825998	2070623	2.50 250	5.00 500	25.0	50.0	125
Allyl chloride	FB	Ave	++++ 1168959	29623 2206063	120120	240217	606803	++++ 50.0	1.00 100	5.00	10.0	25.0
Methylene Chloride	FB	Lin1	++++ 558872	23318 1070748	62900	120127	284558	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Methyl-2-propanol	FB	Ave	15319 1429679	28253 2726258	135977	273183	691395	5.00 500	10.0 1000	50.0	100	250
Methyl tert-butyl ether	FB	Ave	++++ 1756434	37088 3331256	175950	352120	893090	++++ 50.0	1.00 100	5.00	10.0	25.0
Acrylonitrile	FB	Ave	46287 3816395	80658 6839322	385981	786199	1955160	5.00 500	10.0 1000	50.0	100	250
trans-1,2-Dichloroethene	FB	Ave	++++ 519777	12060 970313	55809	110305	275889	++++ 50.0	1.00 100	5.00	10.0	25.0
Hexane	FB	Ave	++++ 948308	20587 1865257	100163	191013	488016	++++ 50.0	1.00 100	5.00	10.0	25.0
Vinyl acetate	FB	Ave	++++ 3687542	73077 6915373	358542	716794	1823582	++++ 100	2.00 200	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	13270 1115463	23219 2153238	111251	220959	565418	0.500 50.0	1.00 100	5.00	10.0	25.0
2-Butanone (MEK)	FB	Ave	28543 2850280	57582 5384851	280574	556594	1391034	2.50 250	5.00 500	25.0	50.0	125
2,2-Dichloropropane	FB	Ave	++++ 773669	16647 1457733	80539	159882	400226	++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,2-Dichloroethene	FB	Ave	++++ 588978	12824 1121389	59120	119146	303118	++++ 50.0	1.00 100	5.00	10.0	25.0
Chlorobromomethane	FB	Ave	2954 312730	6444 607313	30510	60354	156867	0.500 50.0	1.00 100	5.00	10.0	25.0
Tetrahydrofuran	FB	Ave	++++ 762374	18195 1414196	78103	150745	381126	++++ 100	2.00 200	10.0	20.0	50.0
Chloroform	FB	Ave	++++ 910112	20746 1732481	90938	182569	460475	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,1-Trichloroethane	FB	Ave	++++ 849080	16530 1665180	81424	167291	424454	++++ 50.0	1.00 100	5.00	10.0	25.0
Cyclohexane	FB	Ave	++++ 1270827	27787 2460430	131329	256350	649915	++++ 50.0	1.00 100	5.00	10.0	25.0
Isobutyl alcohol	FB	Ave	14845 1716344	26830 3140071	159181	330200	849426	12.5 1250	25.0 2500	125	250	625
1,1-Dichloropropene	FB	Ave	++++ 713146	15212 1327666	75957	146537	366879	++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon tetrachloride	FB	Ave	++++ 789803	15359 1517021	77671	158472	400005	++++ 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.: 480-106799-1 Analy Batch No.: 320502

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 15:01 Calibration End Date: 09/15/2016 17:44 Calibration ID: 28332

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
Benzene	FB	Ave	++++ 2109323	44204 4008034	212288	416892	1054334	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloroethane	FB	Ave	++++ 866244	18786 1642673	86513	173601	434942	++++ 50.0	1.00 100	5.00	10.0	25.0
n-Heptane	FB	Ave	++++ 931971	26391 1798158	106807	197147	477227	++++ 50.0	1.00 100	5.00	10.0	25.0
Trichloroethene	FB	Ave	++++ 578413	11781 1122711	55642	112729	286237	++++ 50.0	1.00 100	5.00	10.0	25.0
Methylcyclohexane	FB	Ave	++++ 918457	19268 1784816	95245	185436	469709	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloropropane	FB	Ave	++++ 623174	12388 1218946	61801	121864	305900	++++ 50.0	1.00 100	5.00	10.0	25.0
1,4-Dioxane	CBNZ d5	Ave	1256 186450	3048 357997	17045	36549	91301	10.0 1000	20.0 2000	100	200	500
Dibromomethane	FB	Ave	++++ 384421	7802 747958	36374	74265	188896	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromodichloromethane	FB	Ave	++++ 713866	12893 1427981	64602	130564	343300	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chloroethyl vinyl ether	FB	Ave	++++ 518558	9578 1013143	47817	95146	246566	++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	8785 913412	16340 1797249	85873	170334	441047	0.500 50.0	1.00 100	5.00	10.0	25.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	61202 5289843	112886 8981923	554344	1110347	2758992	2.50 250	5.00 500	25.0	50.0	125
Toluene	CBNZ d5	Ave	++++ 1358005	28870 2593435	133384	266265	676490	++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl methacrylate	CBNZ d5	Ave	8006 822979	15829 1558515	75067	156033	399664	0.500 50.0	1.00 100	5.00	10.0	25.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	++++ 846709	15783 1598119	76852	160258	409702	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloroethane	CBNZ d5	Ave	++++ 432632	8340 834094	42332	83304	209121	++++ 50.0	1.00 100	5.00	10.0	25.0
Tetrachloroethene	CBNZ d5	Ave	++++ 568994	12544 1028960	61003	117097	297361	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Hexanone	CBNZ d5	Ave	++++ 3679249	82222 6041070	398535	785106	1937075	++++ 250	5.00 500	25.0	50.0	125
1,3-Dichloropropane	CBNZ d5	Ave	++++ 816626	16939 1435348	85106	167521	417086	++++ 50.0	1.00 100	5.00	10.0	25.0
Dibromochloromethane	CBNZ d5	Ave	5787 628353	10013 1256560	53276	108205	296969	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromoethane	CBNZ d5	Ave	++++ 612928	10951 1178336	57450	113900	291834	++++ 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.: 480-106799-1 Analy Batch No.: 320502

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 15:01 Calibration End Date: 09/15/2016 17:44 Calibration ID: 28332

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	CBNZ d5	Ave	++++ 1527496	31445 2910017	147605	302644	753992	++++ 50.0	1.00 100	5.00	10.0	25.0
Ethylbenzene	CBNZ d5	Ave	++++ 2451343	50823 4462216	251601	496210	1244016	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5910 572718	11195 1070301	54216	114062	285062	0.500 50.0	1.00 100	5.00	10.0	25.0
m,p-Xylene	CBNZ d5	Ave	11560 1044653	20578 1957688	103541	204115	517725	0.500 50.0	1.00 100	5.00	10.0	25.0
o-Xylene	CBNZ d5	Ave	++++ 1041543	21794 1885601	104284	210300	532782	++++ 50.0	1.00 100	5.00	10.0	25.0
Styrene	CBNZ d5	Ave	++++ 1672871	32463 3023135	167348	337071	852802	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromoform	CBNZ d5	Ave	++++ 440452	6528 891096	34036	71894	201665	++++ 50.0	1.00 100	5.00	10.0	25.0
Isopropylbenzene	DCBd 4	Ave	++++ 2633138	52858 4912809	262649	527853	1322020	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	++++ 817236	15454 1593538	75453	154522	400892	++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	3732 367394	6101 700111	34532	71006	179761	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichloropropane	DCBd 4	Ave	2443 232977	5100 415605	25137	50934	122337	0.500 50.0	1.00 100	5.00	10.0	25.0
Bromobenzene	DCBd 4	Ave	++++ 636814	13672 1134597	66670	130527	322190	++++ 50.0	1.00 100	5.00	10.0	25.0
N-Propylbenzene	DCBd 4	Ave	++++ 2885078	62191 4954182	306884	606265	1475730	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chlorotoluene	DCBd 4	Ave	++++ 613466	13522 1099294	64468	129309	322287	++++ 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	++++ 2154651	43936 3835275	222436	437940	1114121	++++ 50.0	1.00 100	5.00	10.0	25.0
4-Chlorotoluene	DCBd 4	Ave	++++ 668494	13193 1247938	67165	132487	332157	++++ 50.0	1.00 100	5.00	10.0	25.0
tert-Butylbenzene	DCBd 4	Ave	++++ 496759	9833 945588	49723	99230	248182	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	++++ 2319070	46545 4258254	227601	467242	1171357	++++ 50.0	1.00 100	5.00	10.0	25.0
sec-Butylbenzene	DCBd 4	Ave	++++ 2862465	56386 5310384	284363	568941	1436274	++++ 50.0	1.00 100	5.00	10.0	25.0
4-Isopropyltoluene	DCBd 4	Ave	++++ 2509444	50217 4644201	249904	497421	1263964	++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichlorobenzene	DCBd 4	Ave	++++ 1323414	28149 2461460	133843	264590	665756	++++ 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.: 480-106799-1 Analy Batch No.: 320502

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 15:01 Calibration End Date: 09/15/2016 17:44 Calibration ID: 28332

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	DCBd 4	Ave	++++ 1332264	27512 2467700	134421	267154	664185	++++ 50.0	1.00 100	5.00	10.0	25.0
n-Butylbenzene	DCBd 4	Ave	++++ 2169583	42278 4060910	216172	429609	1092462	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichlorobenzene	DCBd 4	Ave	++++ 1351260	27682 2537224	131900	264838	668330	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	++++ 230770	3822 455600	19559	40726	108433	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	++++ 1005299	19976 1928718	98059	200952	501375	++++ 50.0	1.00 100	5.00	10.0	25.0
Hexachlorobutadiene	DCBd 4	Ave	++++ 371454	7532 739579	36847	73089	189736	++++ 50.0	1.00 100	5.00	10.0	25.0
Naphthalene	DCBd 4	Ave	++++ 3395975	65816 6396745	326697	669741	1697535	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	10619 988052	19708 1907403	98190	191633	485831	0.500 50.0	1.00 100	5.00	10.0	25.0
Dibromofluoromethane (Surr)	FB	Ave	188755 192253	188826 193867	185614	189512	191555	25.0 25.0	25.0 25.0	25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	123016 124498	120571 127555	124167	121564	124198	25.0 25.0	25.0 25.0	25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	672122 700527	670320 709922	667117	684473	685775	25.0 25.0	25.0 25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	227273 240087	232255 241722	230469	233220	235975	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\HP5973P\20160915-56398.b\P0159.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 15-Sep-2016 15:01:30 ALS Bottle#: 2 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0056398-005
 Operator ID: CDC Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Sep-2016 14:06:11 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: gentilej

Date: 16-Sep-2016 10:28:19

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	9.821	9.833	-0.012	98	151705	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	87	299326	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	97	321271	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	188755	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.450	9.456	-0.006	0	123016	25.0	25.3	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	672122	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	89	227273	25.0	25.0	
10 Dichlorodifluoromethane	85	3.969	3.987	-0.018	90	6179	0.5000	0.4894	
11 Chloromethane	50	4.273	4.297	-0.024	57	8455	0.5000	0.6396	
17 Vinyl chloride	62	4.498	4.516	-0.018	91	4479	0.5000	0.4678	
144 Butadiene	54	4.535	4.541	-0.006	88	6023	0.5000	0.5810	
12 Bromomethane	94	5.046	5.070	-0.024	45	2209	0.5000	0.5367	
13 Chloroethane	64	5.192	5.204	-0.012	35	2712	0.5000	0.5311	
19 Dichlorofluoromethane	67	5.484	5.484	0.000	94	9430	0.5000	0.5632	
14 Trichlorofluoromethane	101	5.557	5.599	-0.042	17	8916	0.5000	0.5036	
20 Ethyl ether	59	5.903	5.903	0.000	96	7067	0.5000	0.5984	
22 Acrolein	56	6.165	6.159	0.006	56	9145	2.50	3.14	
16 1,1,2-Trichloro-1,2,2-trif	101	6.238	6.238	0.000	89	6242	0.5000	0.5332	
25 1,1-Dichloroethene	96	6.293	6.293	0.000	93	6217	0.5000	0.6095	
24 Acetone	43	6.341	6.335	0.006	100	20998	2.50	3.37	
18 Iodomethane	142	6.567	6.554	0.012	99	10847	0.5000	0.5544	
27 Carbon disulfide	76	6.676	6.670	0.006	98	21326	0.5000	0.6192	
30 Methyl acetate	43	6.713	6.706	0.007	100	46362	2.50	2.84	
28 3-Chloro-1-propene	41	6.737	6.743	-0.006	82	13045	0.5000	0.5411	
31 Methylene Chloride	84	6.913	6.913	0.000	97	16688	0.5000	0.3236	
33 2-Methyl-2-propanol	59	6.950	6.944	0.006	79	15319	5.00	5.54	M
32 Methyl tert-butyl ether	73	7.169	7.169	0.000	98	20528	0.5000	0.5932	
34 Acrylonitrile	53	7.205	7.205	0.000	99	46287	5.00	5.96	
35 trans-1,2-Dichloroethene	96	7.236	7.236	0.000	95	6878	0.5000	0.6429	
36 Hexane	57	7.473	7.473	0.000	97	12727	0.5000	0.6661	

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	7.710	7.704	0.006	97	42495	1.00	1.20	
40 1,1-Dichloroethane	63	7.759	7.765	-0.006	94	13270	0.5000	0.5879	
44 2-Butanone (MEK)	43	8.416	8.404	0.012	98	28543	2.50	2.58	
45 2,2-Dichloropropane	77	8.452	8.458	-0.006	66	9417	0.5000	0.6074	
43 cis-1,2-Dichloroethene	96	8.459	8.458	0.000	84	7052	0.5000	0.6017	
50 Chlorobromomethane	128	8.781	8.775	0.006	73	2954	0.5000	0.4880	
51 Tetrahydrofuran	42	8.799	8.799	0.000	83	11015	1.00	1.44	
49 Chloroform	83	8.811	8.811	0.000	93	13411	0.5000	0.7380	
52 1,1,1-Trichloroethane	97	9.079	9.073	0.006	93	9518	0.5000	0.5816	
54 Cyclohexane	56	9.134	9.140	-0.006	89	17071	0.5000	0.6705	
53 Isobutyl alcohol	43	9.231	9.219	0.012	92	14845	12.5	12.0	
56 1,1-Dichloropropene	75	9.243	9.243	0.000	88	9280	0.5000	0.6501	
55 Carbon tetrachloride	117	9.274	9.274	0.000	57	8942	0.5000	0.5838	
57 Benzene	78	9.523	9.529	-0.006	94	24127	0.5000	0.5838	
60 1,2-Dichloroethane	62	9.547	9.547	0.000	93	10620	0.5000	0.6210	
59 n-Heptane	43	9.645	9.645	0.000	91	18285	0.5000	0.9070	
62 Trichloroethene	95	10.271	10.277	-0.006	91	6504	0.5000	0.5816	
64 Methylcyclohexane	83	10.515	10.509	0.006	94	11052	0.5000	0.6043	
63 1,2-Dichloropropane	63	10.582	10.588	-0.006	93	6776	0.5000	0.5616	
68 1,4-Dioxane	88	10.709	10.715	-0.006	1	1256	10.0	7.69	M
69 Dibromomethane	93	10.782	10.776	0.006	90	4115	0.5000	0.5568	
70 Dichlorobromomethane	83	10.910	10.916	-0.006	96	7725	0.5000	0.5829	
71 2-Chloroethyl vinyl ether	63	11.172	11.178	-0.006	87	5120	0.5000	0.5311	
73 cis-1,3-Dichloropropene	75	11.458	11.452	0.006	88	8785	0.5000	0.5128	
75 4-Methyl-2-pentanone (MIBK)	43	11.555	11.561	-0.006	99	61202	2.50	2.89	
76 Toluene	92	11.896	11.890	0.006	98	15925	0.5000	0.6088	
77 Ethyl methacrylate	69	12.127	12.121	0.006	91	8006	0.5000	0.5222	
78 trans-1,3-Dichloropropene	75	12.157	12.151	0.006	92	8794	0.5000	0.5659	
79 1,1,2-Trichloroethane	83	12.431	12.437	-0.006	91	4987	0.5000	0.6130	
80 Tetrachloroethene	166	12.638	12.638	0.000	90	6620	0.5000	0.5863	
83 2-Hexanone	43	12.650	12.644	0.006	98	46344	2.50	3.18	
82 1,3-Dichloropropane	76	12.668	12.674	-0.006	98	9596	0.5000	0.6068	
81 Chlorodibromomethane	129	13.009	13.015	-0.006	88	5787	0.5000	0.5213	
85 Ethylene Dibromide	107	13.216	13.216	0.000	91	6816	0.5000	0.6086	
87 Chlorobenzene	112	13.800	13.806	-0.006	96	17476	0.5000	0.5991	
89 Ethylbenzene	91	13.873	13.873	0.000	99	29629	0.5000	0.6248	
88 1,1,1,2-Tetrachloroethane	131	13.885	13.891	-0.006	45	5910	0.5000	0.5401	
90 m-Xylene & p-Xylene	106	14.019	14.013	0.006	0	11560	0.5000	0.5702	
93 o-Xylene	106	14.560	14.560	0.000	95	11947	0.5000	0.5944	
94 Styrene	104	14.579	14.579	0.000	89	17963	0.5000	0.5645	
92 Bromoform	173	14.931	14.931	0.000	95	4213	0.5000	0.5656	
95 Isopropylbenzene	105	15.004	15.004	0.000	96	30024	0.5000	0.5807	
97 1,1,2,2-Tetrachloroethane	83	15.430	15.430	0.000	94	9076	0.5000	0.5821	
98 trans-1,4-Dichloro-2-buten	53	15.485	15.485	0.000	80	3732	0.5000	0.5355	
100 Bromobenzene	156	15.528	15.522	0.006	91	7125	0.5000	0.5598	
101 1,2,3-Trichloropropane	110	15.515	15.522	-0.007	63	2443	0.5000	0.5095	
99 N-Propylbenzene	91	15.540	15.534	0.006	96	34368	0.5000	0.5936	
103 2-Chlorotoluene	126	15.722	15.722	0.000	87	7685	0.5000	0.6161	
102 1,3,5-Trimethylbenzene	105	15.728	15.728	0.000	89	26445	0.5000	0.6197	
105 4-Chlorotoluene	126	15.850	15.850	0.000	96	8008	0.5000	0.6132	
106 tert-Butylbenzene	134	16.172	16.172	0.000	93	5694	0.5000	0.5837	
107 1,2,4-Trimethylbenzene	105	16.233	16.233	0.000	97	27321	0.5000	0.6020	

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	16.440	16.440	0.000	94	32961	0.5000	0.5901	
112 4-Isopropyltoluene	119	16.592	16.592	0.000	97	27887	0.5000	0.5679	
110 1,3-Dichlorobenzene	146	16.677	16.677	0.000	95	15258	0.5000	0.5804	
111 1,4-Dichlorobenzene	146	16.787	16.787	0.000	92	15261	0.5000	0.5808	
115 n-Butylbenzene	91	17.109	17.109	0.000	97	26020	0.5000	0.6145	
116 1,2-Dichlorobenzene	146	17.274	17.267	0.007	95	15731	0.5000	0.5961	
117 1,2-Dibromo-3-Chloropropan	75	18.247	18.241	0.006	83	2410	0.5000	0.5757	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	91	11968	0.5000	0.6078	
120 Hexachlorobutadiene	225	19.476	19.470	0.006	89	4207	0.5000	0.5703	
121 Naphthalene	128	19.713	19.713	0.000	97	36907	0.5000	0.5611	
122 1,2,3-Trichlorobenzene	180	20.078	20.072	0.006	92	10619	0.5000	0.5423	
S 123 1,2-Dichloroethene, Total	1				0			1.24	
S 124 1,3-Dichloropropene, Total	1				0			1.08	
S 125 Total BTEX	1				0			2.98	
S 126 Xylenes, Total	1				0			1.16	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00082

Amount Added: 0.50

Units: uL

GAS CORP mix_00178

Amount Added: 0.50

Units: uL

P 8260 IS_00166

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00195

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20160915-56398.b\\P0159.D

Injection Date: 15-Sep-2016 15:01:30

Instrument ID: HP5973P

Operator ID: CDC

Lims ID: IC

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

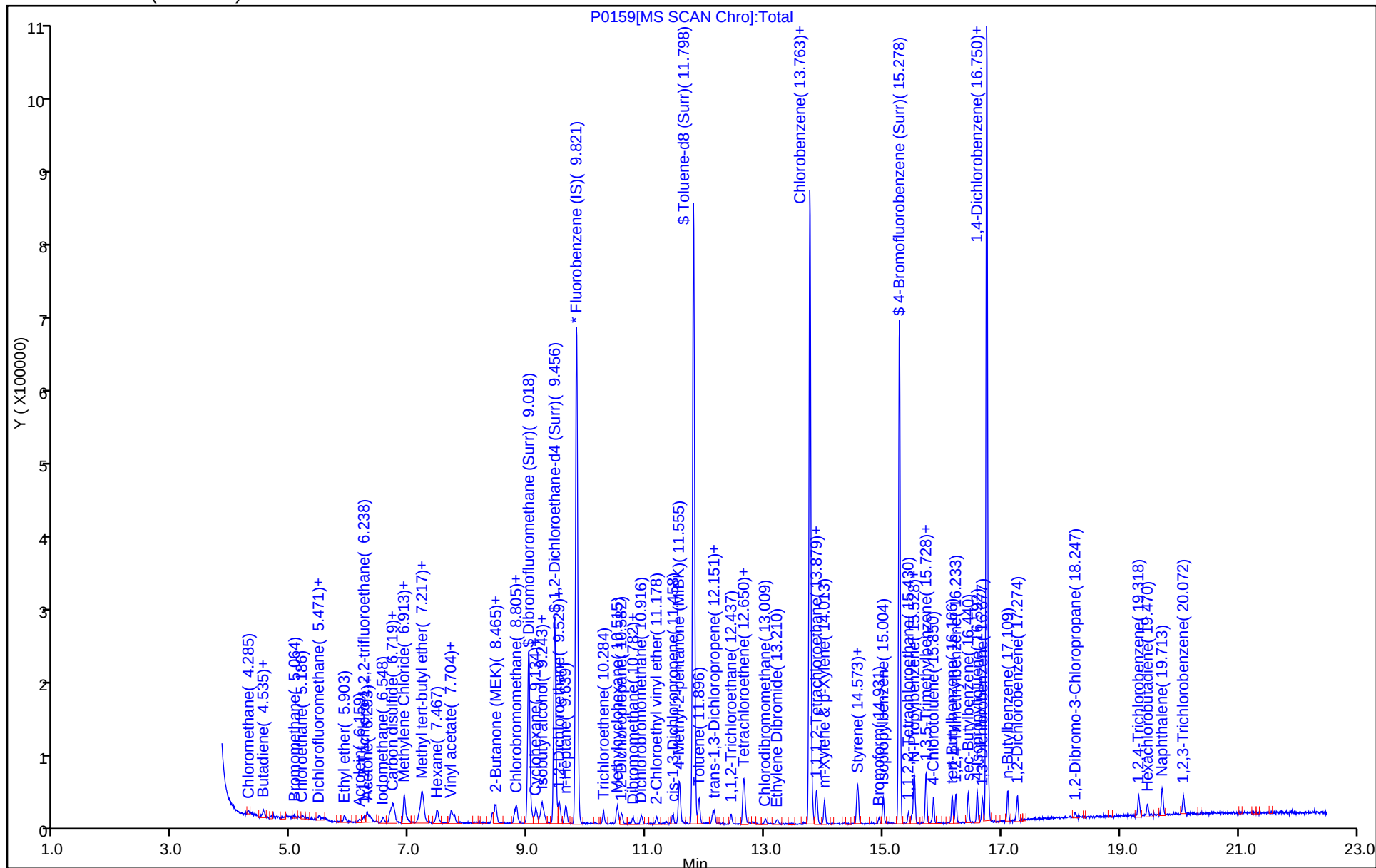
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

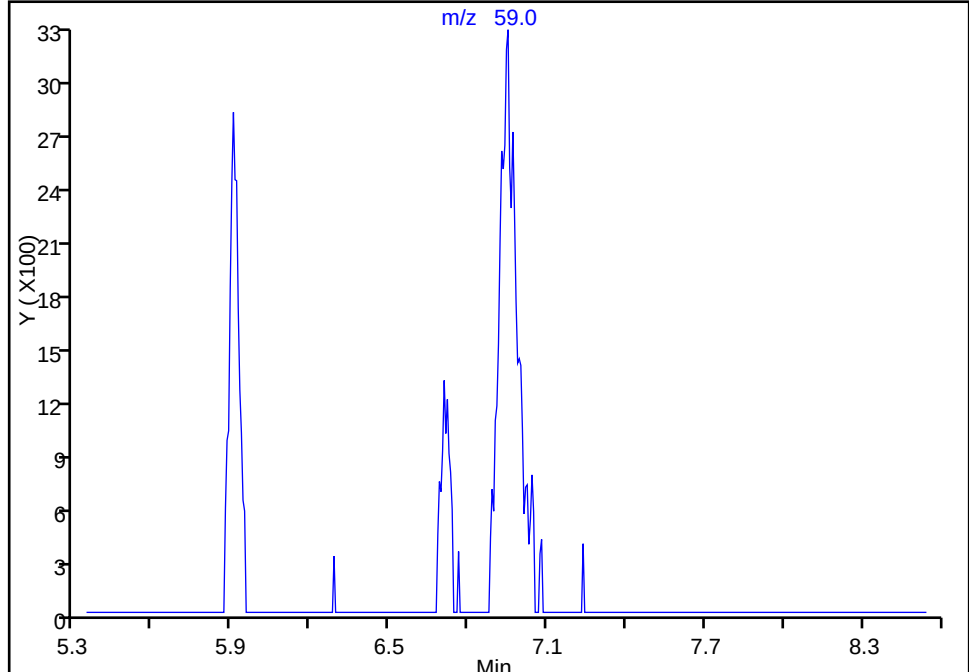
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Injection Date: 15-Sep-2016 15:01:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 2-Methyl-2-propanol, CAS: 75-65-0

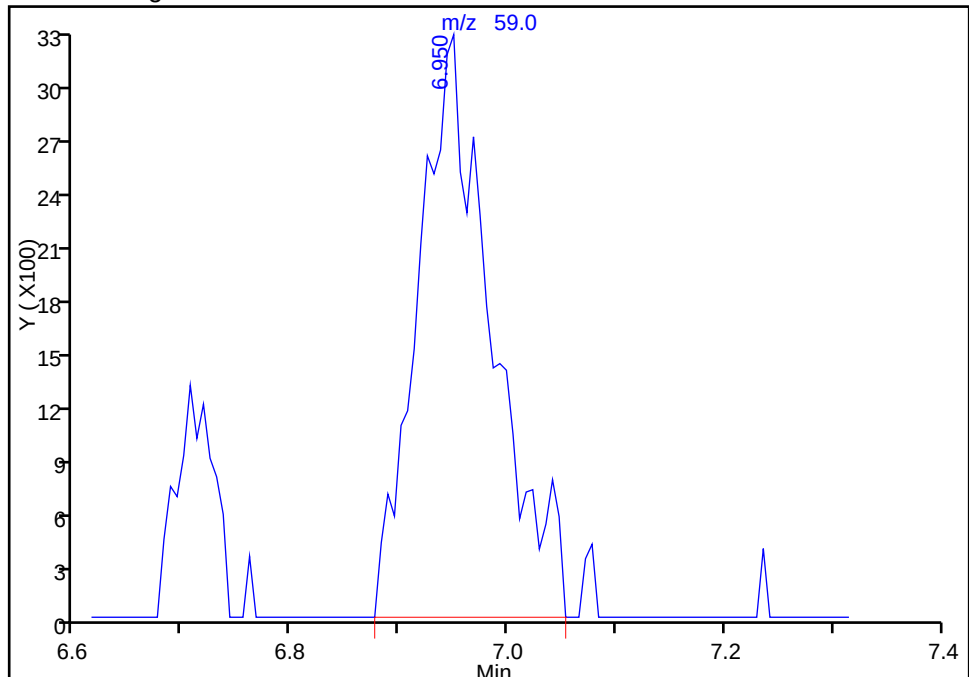
Signal: 1

Not Detected
Expected RT: 6.94

Processing Integration Results



Manual Integration Results



RT: 6.95
Area: 15319
Amount: 5.536916
Amount Units: ug/L

Reviewer: gentilej, 16-Sep-2016 10:28:19
Audit Action: Assigned Compound ID

Audit Reason:
Page 340 of 547

10/05/2016

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0159.D

Injection Date: 15-Sep-2016 15:01:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: CDC

ALS Bottle#:

2

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

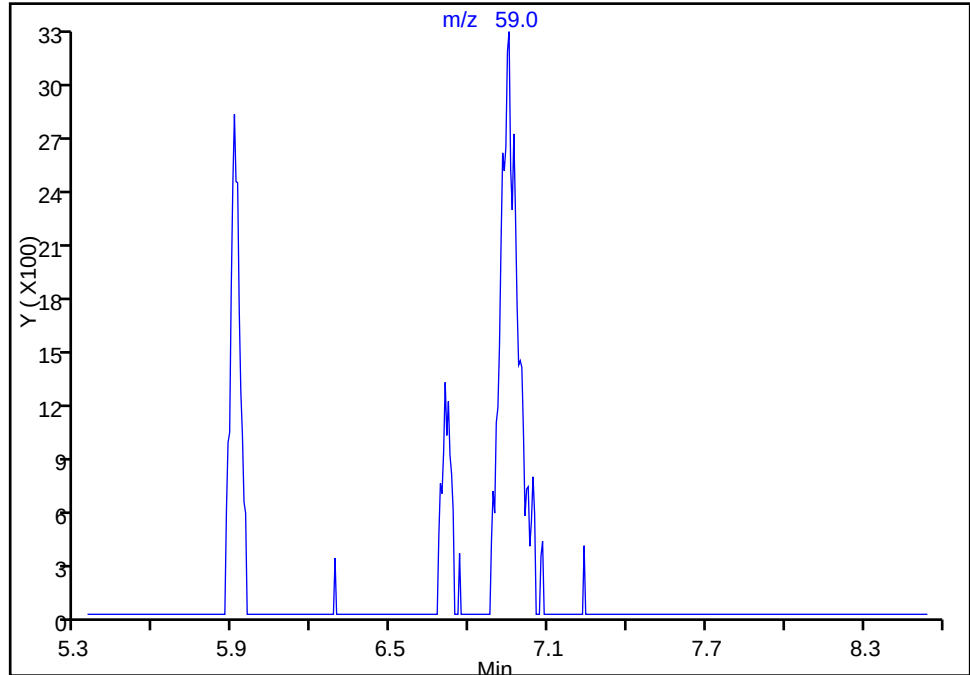
33 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

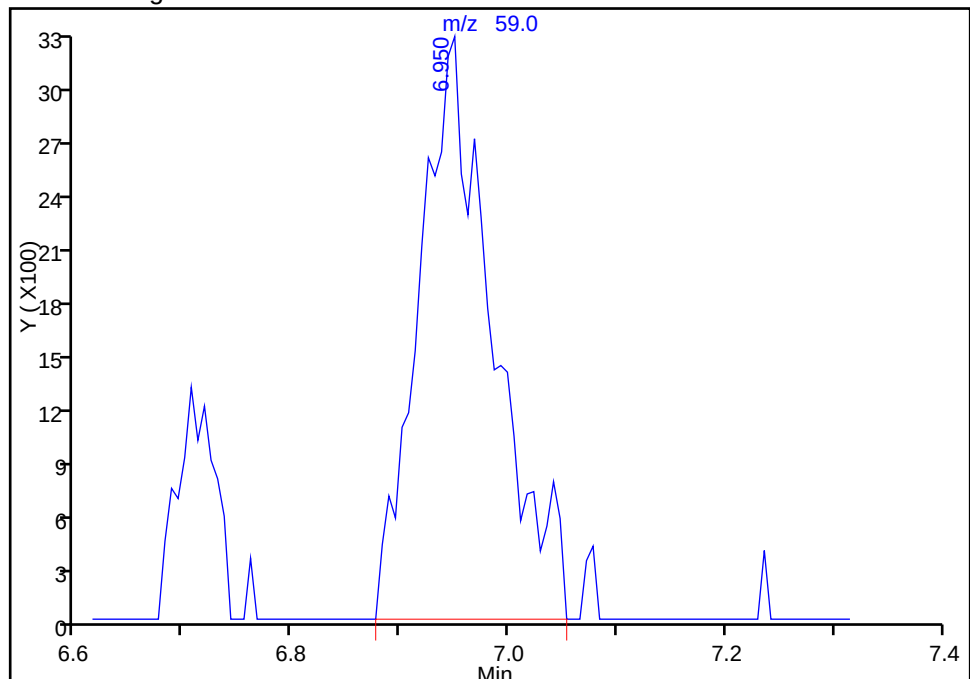
Not Detected

Expected RT: 6.94

Processing Integration Results



Manual Integration Results



Reviewer: cwiklinc, 16-Sep-2016 13:04:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\0159.D

Injection Date: 15-Sep-2016 15:01:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: CDC

ALS Bottle#:

2

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

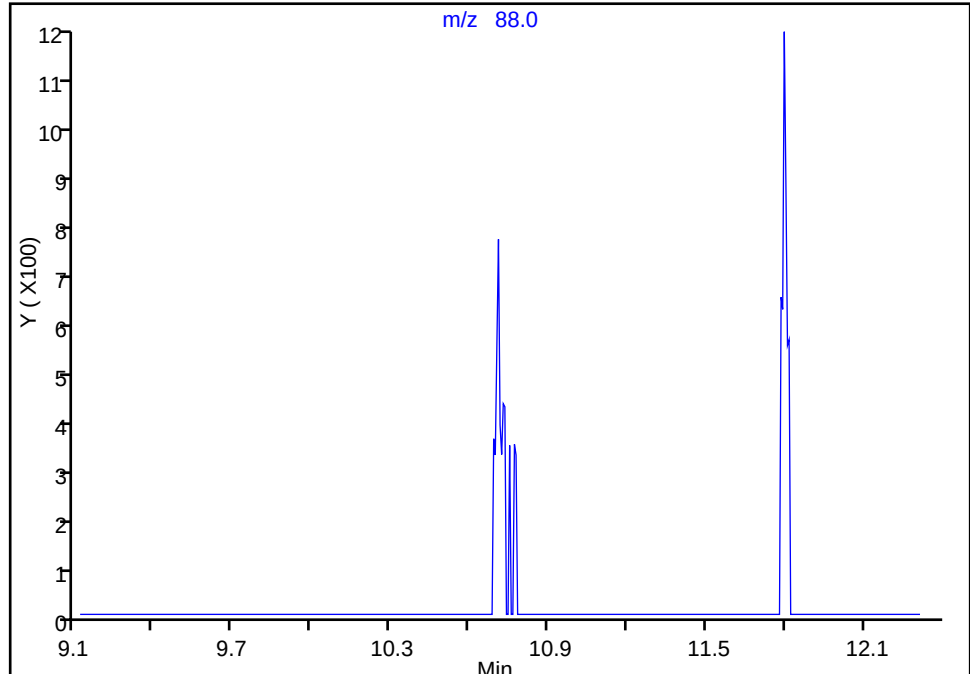
68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

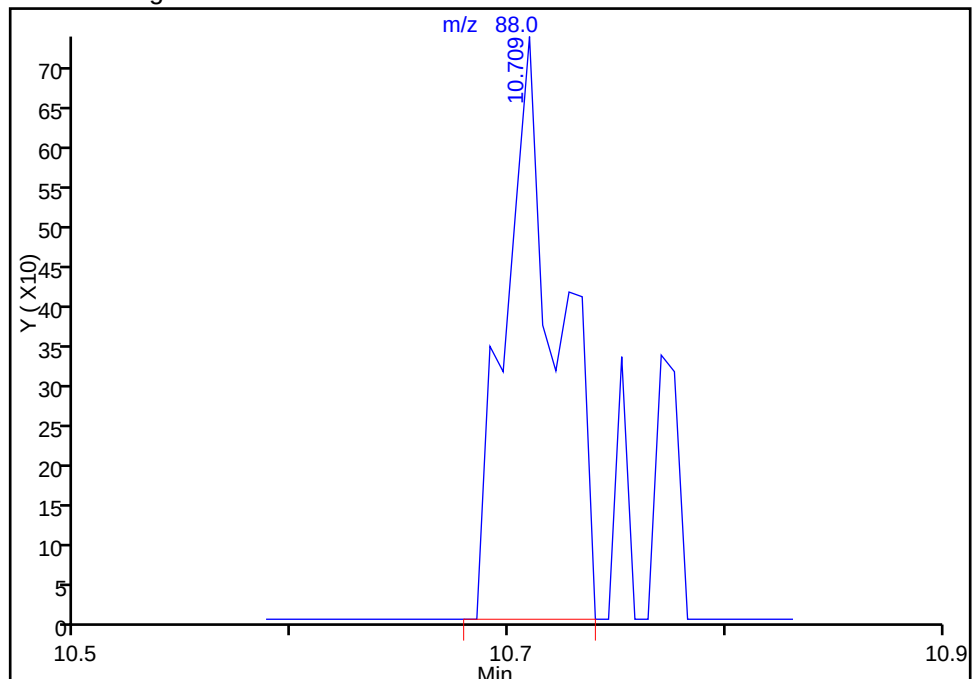
Not Detected

Expected RT: 10.72

Processing Integration Results



Manual Integration Results



RT: 10.71

Area: 1256

Amount: 7.687879

Amount Units: ug/L

Reviewer: gentilej, 16-Sep-2016 10:28:19

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0159.D

Injection Date: 15-Sep-2016 15:01:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: CDC

ALS Bottle#:

2

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

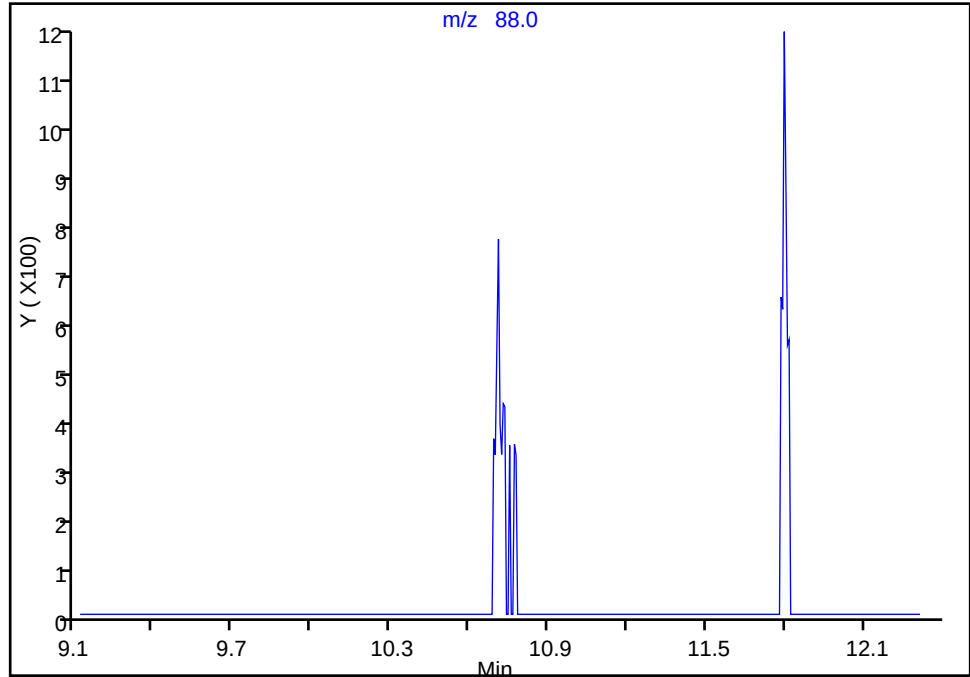
68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

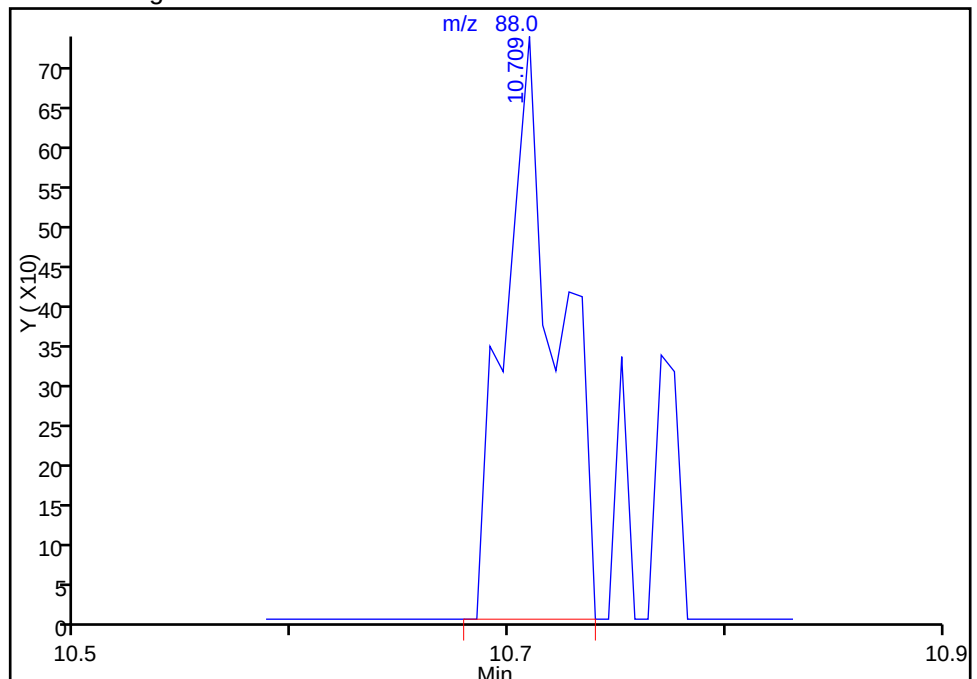
Not Detected

Expected RT: 10.72

Processing Integration Results



Manual Integration Results



RT: 10.71

Area: 1256

Amount: 7.687879

Amount Units: ug/L

Reviewer: gentilej, 16-Sep-2016 10:28:19

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0160.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 15-Sep-2016 15:28:30 ALS Bottle#: 3 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0056398-006
 Operator ID: CDC Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Sep-2016 14:06:19 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: gentilej

Date: 16-Sep-2016 10:29:36

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	9.827	9.833	-0.006	98	153202	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	87	305750	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	328366	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	188826	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	120571	25.0	24.6	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	92	670320	25.0	24.7	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	232255	25.0	25.0	
10 Dichlorodifluoromethane	85	3.993	3.987	0.006	95	13065	1.00	1.02	
11 Chloromethane	50	4.291	4.297	-0.006	96	14466	1.00	1.08	
17 Vinyl chloride	62	4.510	4.516	-0.006	95	10447	1.00	1.08	
144 Butadiene	54	4.541	4.541	0.000	97	11429	1.00	1.09	
12 Bromomethane	94	5.058	5.070	-0.012	95	4989	1.00	1.20	
13 Chloroethane	64	5.204	5.204	0.000	96	5187	1.00	1.01	
19 Dichlorofluoromethane	67	5.484	5.484	0.000	96	18980	1.00	1.12	
14 Trichlorofluoromethane	101	5.611	5.599	0.012	87	17509	1.00	0.9794	
20 Ethyl ether	59	5.916	5.903	0.013	96	11894	1.00	1.00	
22 Acrolein	56	6.165	6.159	0.006	96	12978	5.00	4.42	
16 1,1,2-Trichloro-1,2,2-trif	101	6.238	6.238	0.000	91	12256	1.00	1.04	
25 1,1-Dichloroethene	96	6.293	6.293	0.000	94	10757	1.00	1.04	
24 Acetone	43	6.341	6.335	0.006	100	35529	5.00	5.65	
18 Iodomethane	142	6.560	6.554	0.006	99	19979	1.00	1.01	
27 Carbon disulfide	76	6.682	6.670	0.012	100	36841	1.00	1.06	
30 Methyl acetate	43	6.713	6.706	0.007	100	83195	5.00	5.04	
28 3-Chloro-1-propene	41	6.743	6.743	0.000	88	29623	1.00	1.22	
31 Methylene Chloride	84	6.913	6.913	0.000	94	23318	1.00	0.9486	
33 2-Methyl-2-propanol	59	6.944	6.944	0.000	98	28253	10.0	10.1	M
32 Methyl tert-butyl ether	73	7.169	7.169	0.000	98	37088	1.00	1.06	
34 Acrylonitrile	53	7.211	7.205	0.006	95	80658	10.0	10.3	
35 trans-1,2-Dichloroethene	96	7.242	7.236	0.006	93	12060	1.00	1.12	
36 Hexane	57	7.473	7.473	0.000	95	20587	1.00	1.07	

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	7.716	7.704	0.012	97	73077	2.00	2.05	
40 1,1-Dichloroethane	63	7.765	7.765	0.000	96	23219	1.00	1.02	
44 2-Butanone (MEK)	43	8.410	8.404	0.006	98	57582	5.00	5.16	
45 2,2-Dichloropropane	77	8.459	8.458	0.000	67	16647	1.00	1.06	
43 cis-1,2-Dichloroethene	96	8.465	8.458	0.007	87	12824	1.00	1.08	
50 Chlorobromomethane	128	8.787	8.775	0.012	92	6444	1.00	1.05	
51 Tetrahydrofuran	42	8.805	8.799	0.006	89	18195	2.00	2.36	
49 Chloroform	83	8.811	8.811	0.000	92	20746	1.00	1.13	
52 1,1,1-Trichloroethane	97	9.073	9.073	0.000	96	16530	1.00	1.00	
54 Cyclohexane	56	9.140	9.140	0.000	90	27787	1.00	1.08	M
53 Isobutyl alcohol	43	9.213	9.219	-0.006	58	26830	25.0	21.4	
56 1,1-Dichloropropene	75	9.243	9.243	0.000	91	15212	1.00	1.06	
55 Carbon tetrachloride	117	9.280	9.274	0.006	95	15359	1.00	0.99	
57 Benzene	78	9.523	9.529	-0.006	96	44204	1.00	1.06	
60 1,2-Dichloroethane	62	9.554	9.547	0.007	94	18786	1.00	1.09	
59 n-Heptane	43	9.645	9.645	0.000	94	26391	1.00	1.30	
62 Trichloroethene	95	10.284	10.277	0.007	95	11781	1.00	1.04	
64 Methylcyclohexane	83	10.515	10.509	0.006	95	19268	1.00	1.04	
63 1,2-Dichloropropane	63	10.594	10.588	0.006	93	12388	1.00	1.02	
68 1,4-Dioxane	88	10.709	10.715	-0.006	55	3048	20.0	18.3	
69 Dibromomethane	93	10.776	10.776	0.000	93	7802	1.00	1.05	
70 Dichlorobromomethane	83	10.910	10.916	-0.006	92	12893	1.00	0.9634	
71 2-Chloroethyl vinyl ether	63	11.172	11.178	-0.006	88	9578	1.00	0.9839	
73 cis-1,3-Dichloropropene	75	11.458	11.452	0.006	91	16340	1.00	0.9445	
75 4-Methyl-2-pentanone (MIBK)	43	11.561	11.561	0.000	99	112886	5.00	5.21	
76 Toluene	92	11.890	11.890	0.000	97	28870	1.00	1.08	
77 Ethyl methacrylate	69	12.115	12.121	-0.006	95	15829	1.00	1.01	
78 trans-1,3-Dichloropropene	75	12.151	12.151	0.000	93	15783	1.00	0.99	
79 1,1,2-Trichloroethane	83	12.431	12.437	-0.006	67	8340	1.00	1.00	
80 Tetrachloroethene	166	12.638	12.638	0.000	37	12544	1.00	1.09	
83 2-Hexanone	43	12.650	12.644	0.006	98	82222	5.00	5.52	
82 1,3-Dichloropropane	76	12.674	12.674	0.000	97	16939	1.00	1.05	
81 Chlorodibromomethane	129	13.015	13.015	0.000	90	10013	1.00	0.8830	
85 Ethylene Dibromide	107	13.210	13.216	-0.006	97	10951	1.00	0.9572	
87 Chlorobenzene	112	13.806	13.806	0.000	95	31445	1.00	1.06	
89 Ethylbenzene	91	13.873	13.873	0.000	98	50823	1.00	1.05	
88 1,1,1,2-Tetrachloroethane	131	13.885	13.891	-0.006	45	11195	1.00	1.00	
90 m-Xylene & p-Xylene	106	14.007	14.013	-0.006	0	20578	1.00	0.99	
93 o-Xylene	106	14.566	14.560	0.006	94	21794	1.00	1.06	
94 Styrene	104	14.579	14.579	0.000	94	32463	1.00	1.00	
92 Bromoform	173	14.931	14.931	0.000	92	6528	1.00	0.8580	
95 Isopropylbenzene	105	15.004	15.004	0.000	96	52858	1.00	1.00	
97 1,1,2,2-Tetrachloroethane	83	15.424	15.430	-0.006	95	15454	1.00	0.9698	
98 trans-1,4-Dichloro-2-buten	53	15.485	15.485	0.000	65	6101	1.00	0.8565	
100 Bromobenzene	156	15.522	15.522	0.000	90	13672	1.00	1.05	
101 1,2,3-Trichloropropane	110	15.522	15.522	0.000	65	5100	1.00	1.04	
99 N-Propylbenzene	91	15.534	15.534	0.000	98	62191	1.00	1.05	
103 2-Chlorotoluene	126	15.728	15.722	0.006	94	13522	1.00	1.06	
102 1,3,5-Trimethylbenzene	105	15.728	15.728	0.000	87	43936	1.00	1.01	
105 4-Chlorotoluene	126	15.850	15.850	0.000	97	13193	1.00	0.9884	
106 tert-Butylbenzene	134	16.172	16.172	0.000	94	9833	1.00	0.9862	
107 1,2,4-Trimethylbenzene	105	16.233	16.233	0.000	97	46545	1.00	1.00	

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	16.446	16.440	0.006	94	56386	1.00	0.9876	
112 4-Isopropyltoluene	119	16.592	16.592	0.000	97	50217	1.00	1.00	
110 1,3-Dichlorobenzene	146	16.677	16.677	0.000	98	28149	1.00	1.05	
111 1,4-Dichlorobenzene	146	16.787	16.787	0.000	90	27512	1.00	1.02	
115 n-Butylbenzene	91	17.103	17.109	-0.006	97	42278	1.00	0.9769	
116 1,2-Dichlorobenzene	146	17.274	17.267	0.007	97	27682	1.00	1.03	
117 1,2-Dibromo-3-Chloropropan	75	18.235	18.241	-0.006	1	3822	1.00	0.8932	M
119 1,2,4-Trichlorobenzene	180	19.324	19.318	0.006	95	19976	1.00	0.99	
120 Hexachlorobutadiene	225	19.464	19.470	-0.006	93	7532	1.00	1.00	
121 Naphthalene	128	19.719	19.713	0.006	97	65816	1.00	0.9791	
122 1,2,3-Trichlorobenzene	180	20.072	20.072	0.000	96	19708	1.00	0.9848	
S 123 1,2-Dichloroethene, Total	1				0			2.20	
S 124 1,3-Dichloropropene, Total	1				0			1.94	
S 125 Total BTEX	1				0			5.24	
S 126 Xylenes, Total	1				0			2.06	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00082

Amount Added: 1.00

Units: uL

GAS CORP mix_00178

Amount Added: 1.00

Units: uL

P 8260 IS_00166

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00195

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20160915-56398.b\\P0160.D

Injection Date: 15-Sep-2016 15:28:30

Instrument ID: HP5973P

Operator ID: CDC

Lims ID: IC 2

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

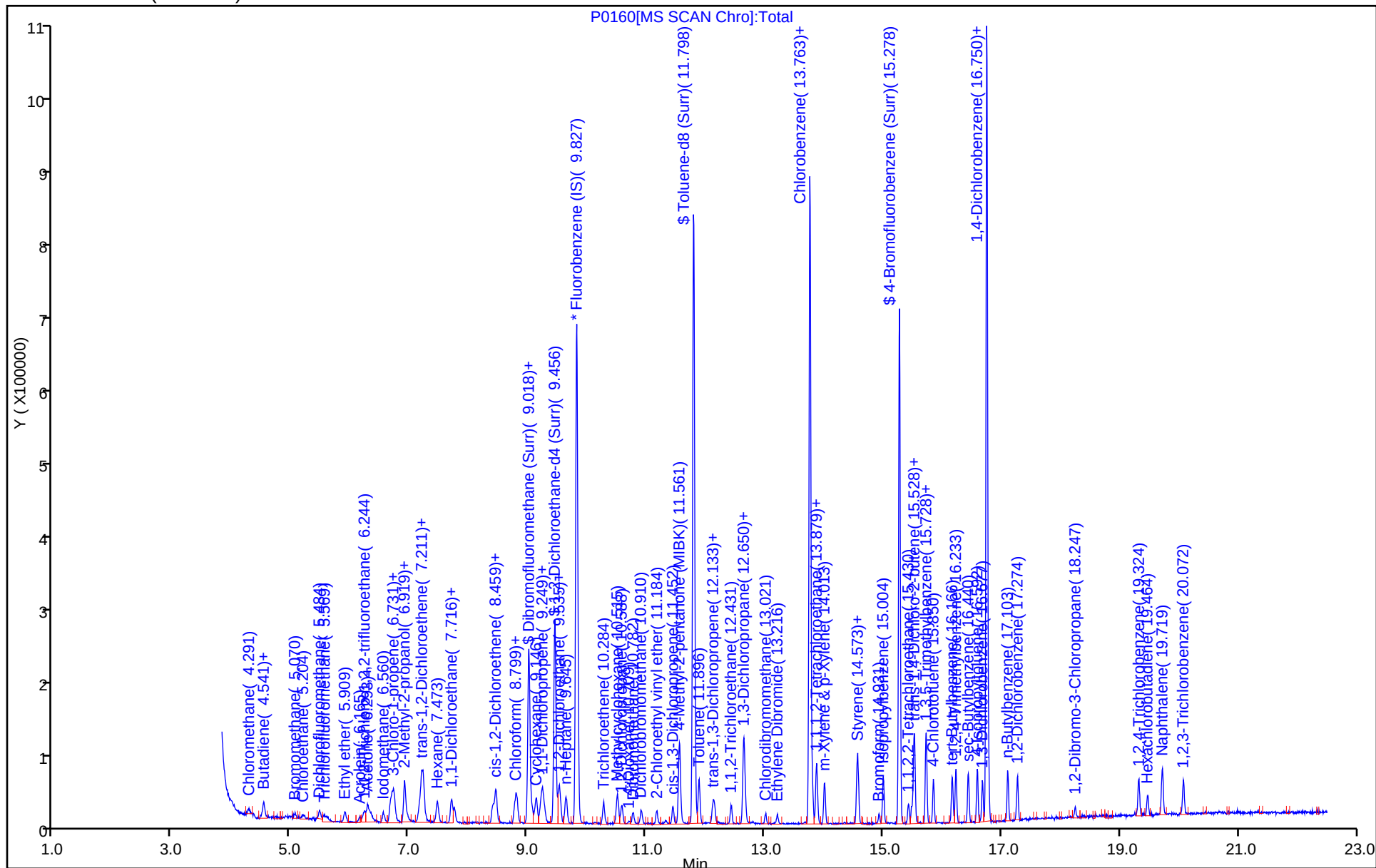
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

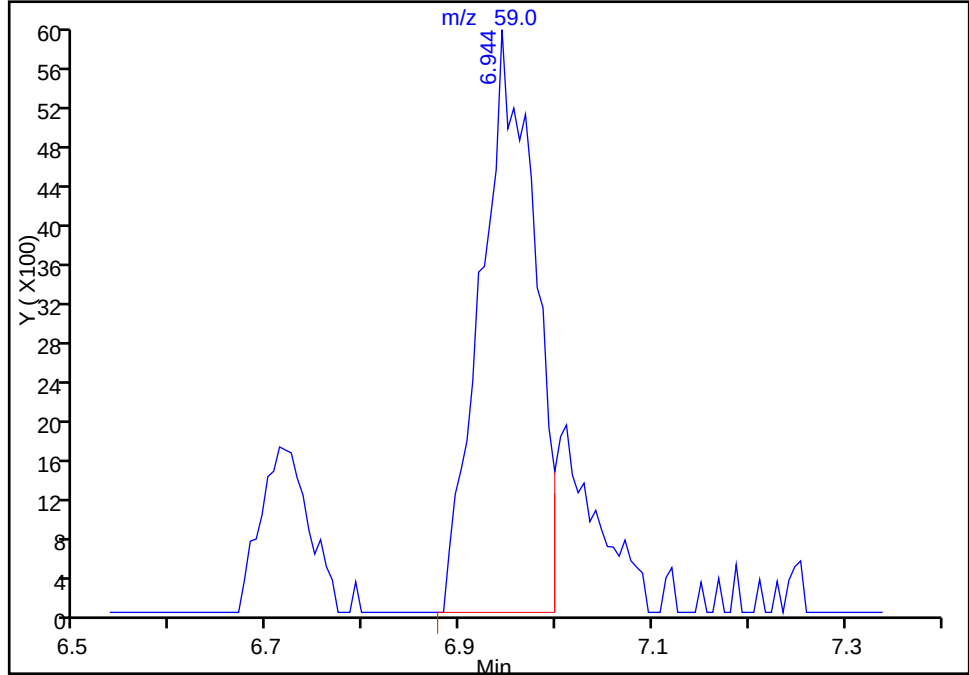
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Injection Date: 15-Sep-2016 15:28:30 Instrument ID: HP5973P
Lims ID: IC 2
Client ID:
Operator ID: CDC ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

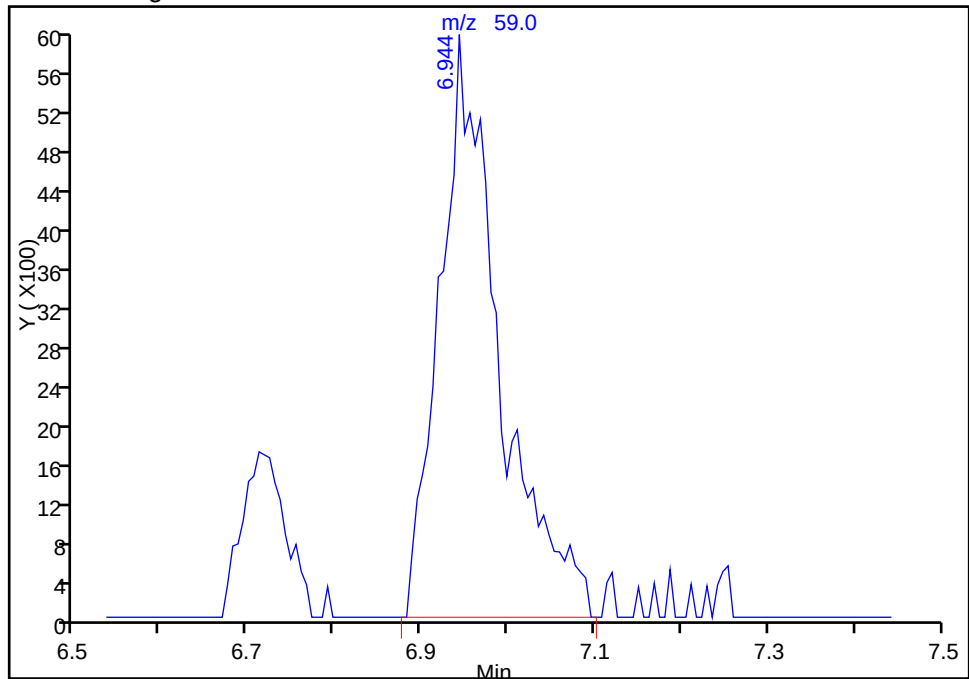
RT: 6.94
Area: 22972
Amount: 8.510523
Amount Units: ug/L

Processing Integration Results



RT: 6.94
Area: 28253
Amount: 10.112012
Amount Units: ug/L

Manual Integration Results



Reviewer: cwklinc, 16-Sep-2016 13:03:50

Audit Action: Manually Integrated

Audit Reason: Other

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\0160.D

Injection Date: 15-Sep-2016 15:28:30

Instrument ID: HP5973P

Lims ID: IC 2

Client ID:

Operator ID: CDC

ALS Bottle#:

3

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

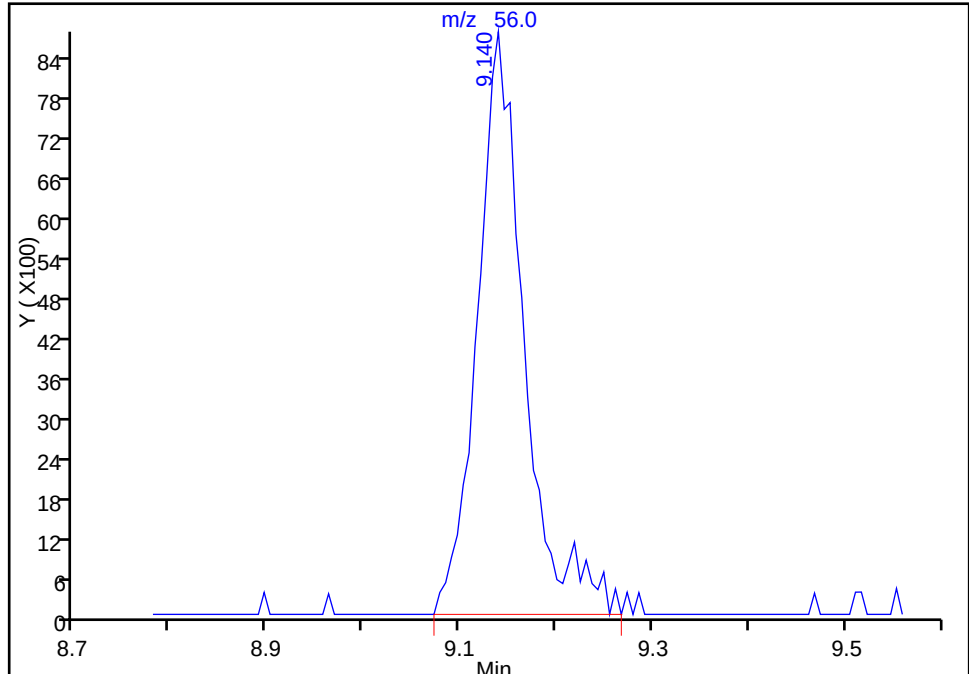
Detector: MS SCAN

54 Cyclohexane, CAS: 110-82-7

Signal: 1

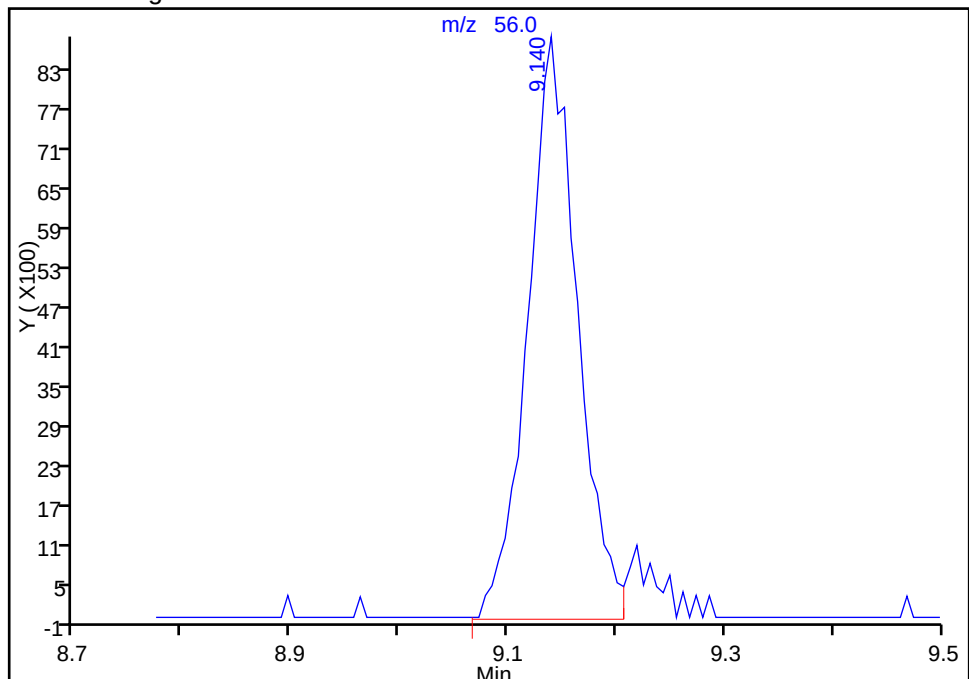
RT: 9.14
Area: 29359
Amount: 1.136098
Amount Units: ug/L

Processing Integration Results



RT: 9.14
Area: 27787
Amount: 1.080757
Amount Units: ug/L

Manual Integration Results



Reviewer: cwiklinc, 16-Sep-2016 12:58:54

Audit Action: Manually Integrated

Audit Reason: Other

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\PO160.D

Injection Date: 15-Sep-2016 15:28:30

Instrument ID: HP5973P

Lims ID: IC 2

Client ID:

Operator ID: CDC

ALS Bottle#:

3

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

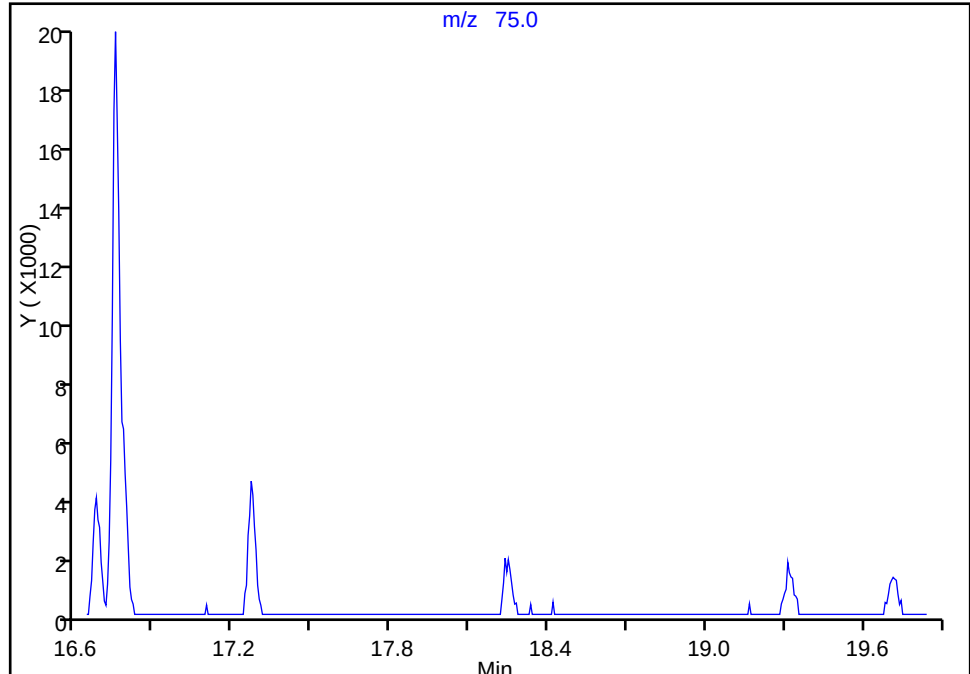
117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

Not Detected

Expected RT: 18.24

Processing Integration Results



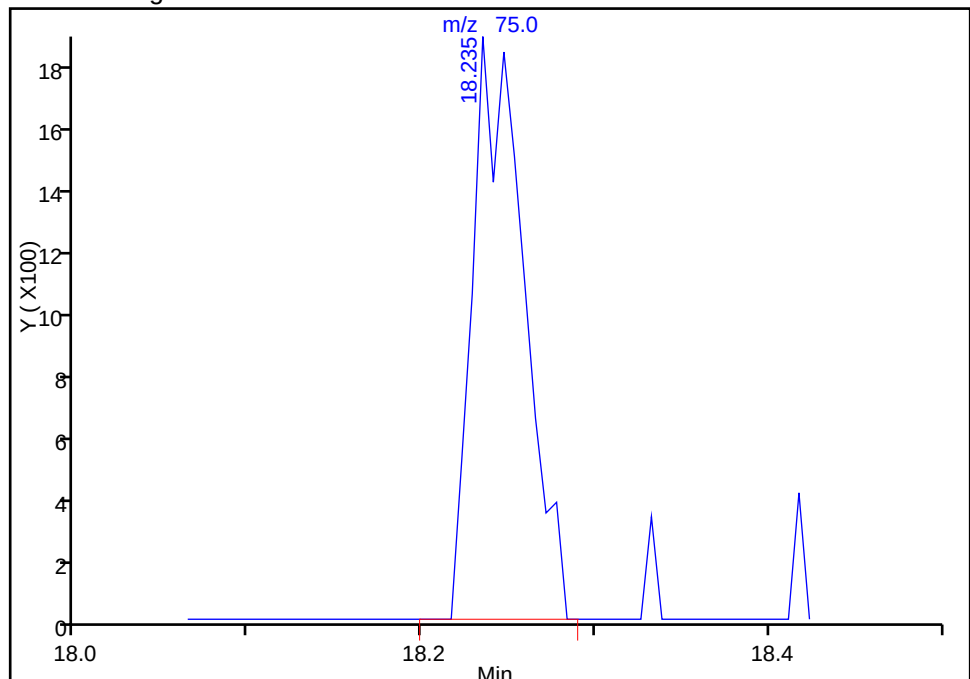
RT: 18.23

Area: 3822

Amount: 0.893221

Amount Units: ug/L

Manual Integration Results



Reviewer: gentilej, 16-Sep-2016 10:38:36

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0160.D

Injection Date: 15-Sep-2016 15:28:30

Instrument ID: HP5973P

Lims ID: IC 2

Client ID:

Operator ID: CDC

ALS Bottle#:

3

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

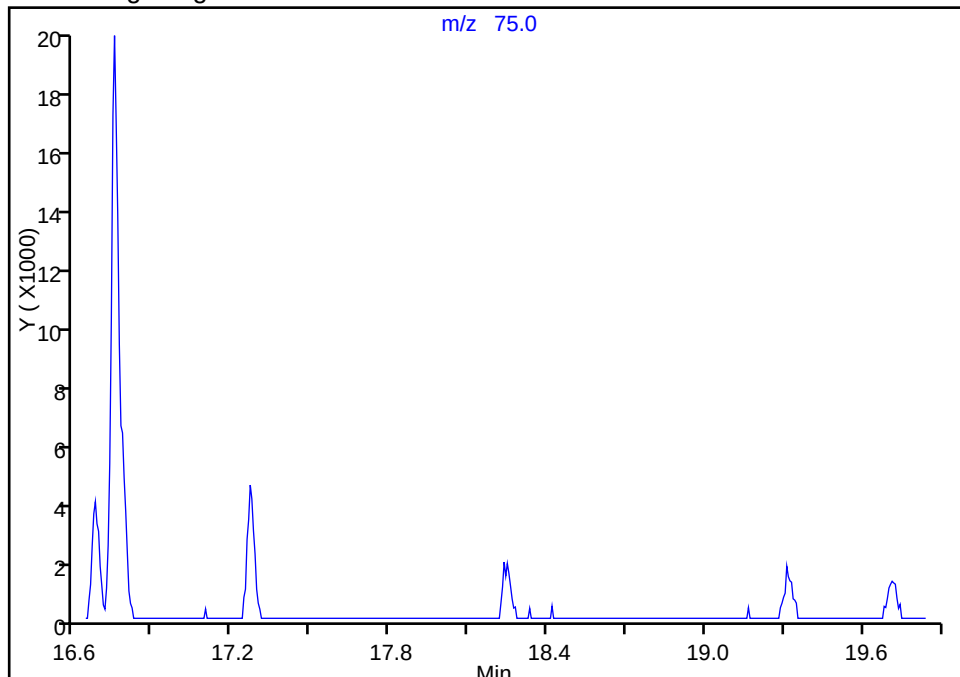
117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

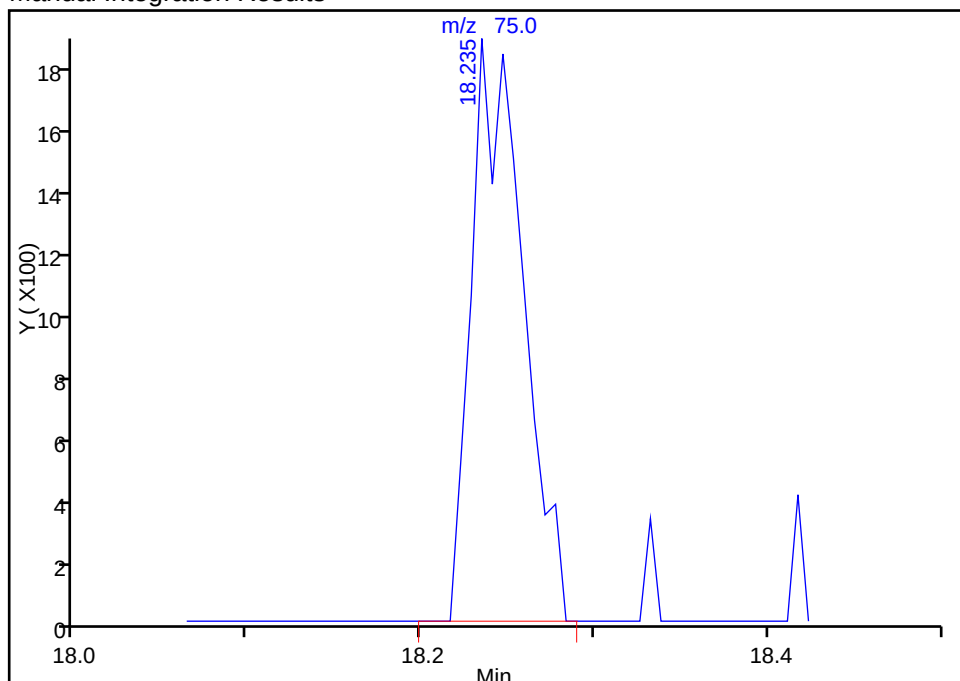
Not Detected

Expected RT: 18.24

Processing Integration Results



Manual Integration Results



RT: 18.23

Area: 3822

Amount: 0.893221

Amount Units: ug/L

Reviewer: gentilej, 16-Sep-2016 10:38:36

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0161.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 15-Sep-2016 15:55:30 ALS Bottle#: 4 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0056398-007
 Operator ID: CDC Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Sep-2016 14:06:27 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: gentilej

Date: 16-Sep-2016 10:30:35

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	9.827	9.833	-0.006	98	150594	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	304915	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	319559	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	185614	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	124167	25.0	25.7	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	92	667117	25.0	24.6	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	230469	25.0	24.8	
10 Dichlorodifluoromethane	85	3.987	3.987	0.000	98	66410	5.00	5.30	
11 Chloromethane	50	4.285	4.297	-0.012	99	64475	5.00	4.91	
17 Vinyl chloride	62	4.516	4.516	0.000	98	48580	5.00	5.11	
144 Butadiene	54	4.535	4.541	-0.006	94	52234	5.00	5.08	
12 Bromomethane	94	5.058	5.070	-0.012	93	18881	5.00	4.62	
13 Chloroethane	64	5.204	5.204	0.000	97	27465	5.00	5.42	
19 Dichlorofluoromethane	67	5.484	5.484	0.000	98	81378	5.00	4.90	
14 Trichlorofluoromethane	101	5.593	5.599	-0.006	98	88048	5.00	5.01	
20 Ethyl ether	59	5.903	5.903	0.000	97	60004	5.00	5.12	
22 Acrolein	56	6.153	6.159	-0.006	99	66795	25.0	23.1	
16 1,1,2-Trichloro-1,2,2-trif	101	6.238	6.238	0.000	93	60312	5.00	5.19	
25 1,1-Dichloroethene	96	6.293	6.293	0.000	92	53205	5.00	5.25	
24 Acetone	43	6.341	6.335	0.006	99	152504	25.0	24.7	
18 Iodomethane	142	6.554	6.554	0.000	99	98437	5.00	5.07	
27 Carbon disulfide	76	6.676	6.670	0.006	100	175758	5.00	5.14	
30 Methyl acetate	43	6.706	6.706	0.000	100	410870	25.0	25.3	
28 3-Chloro-1-propene	41	6.743	6.743	0.000	88	120120	5.00	5.02	
31 Methylene Chloride	84	6.913	6.913	0.000	94	62900	5.00	4.88	
33 2-Methyl-2-propanol	59	6.944	6.944	0.000	98	135977	50.0	49.5	
32 Methyl tert-butyl ether	73	7.175	7.169	0.006	99	175950	5.00	5.12	
34 Acrylonitrile	53	7.205	7.205	0.000	98	385981	50.0	50.1	
35 trans-1,2-Dichloroethene	96	7.242	7.236	0.006	93	55809	5.00	5.26	
36 Hexane	57	7.473	7.473	0.000	95	100163	5.00	5.28	

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	7.710	7.704	0.006	97	358542	10.0	10.2	
40 1,1-Dichloroethane	63	7.765	7.765	0.000	97	111251	5.00	4.97	
44 2-Butanone (MEK)	43	8.404	8.404	0.000	98	280574	25.0	25.6	
45 2,2-Dichloropropane	77	8.458	8.458	0.000	58	80539	5.00	5.23	
43 cis-1,2-Dichloroethene	96	8.458	8.458	0.000	86	59120	5.00	5.08	
50 Chlorobromomethane	128	8.781	8.775	0.006	91	30510	5.00	5.08	
51 Tetrahydrofuran	42	8.805	8.799	0.006	90	78103	10.0	10.3	
49 Chloroform	83	8.811	8.811	0.000	94	90938	5.00	5.04	
52 1,1,1-Trichloroethane	97	9.079	9.073	0.006	97	81424	5.00	5.01	
54 Cyclohexane	56	9.140	9.140	0.000	93	131329	5.00	5.20	M
53 Isobutyl alcohol	43	9.219	9.219	0.000	95	159181	125.0	129.1	
56 1,1-Dichloropropene	75	9.249	9.243	0.006	92	75957	5.00	5.36	
55 Carbon tetrachloride	117	9.280	9.274	0.006	96	77671	5.00	5.11	
57 Benzene	78	9.529	9.529	0.000	98	212288	5.00	5.17	
60 1,2-Dichloroethane	62	9.547	9.547	0.000	95	86513	5.00	5.10	
59 n-Heptane	43	9.645	9.645	0.000	98	106807	5.00	5.34	
62 Trichloroethene	95	10.277	10.277	0.000	94	55642	5.00	5.01	
64 Methylcyclohexane	83	10.515	10.509	0.006	97	95245	5.00	5.25	
63 1,2-Dichloropropane	63	10.588	10.588	0.000	95	61801	5.00	5.16	
68 1,4-Dioxane	88	10.722	10.715	0.007	99	17045	100.0	102.4	
69 Dibromomethane	93	10.782	10.776	0.006	94	36374	5.00	4.96	
70 Dichlorobromomethane	83	10.916	10.916	0.000	95	64602	5.00	4.91	
71 2-Chloroethyl vinyl ether	63	11.178	11.178	0.000	91	47817	5.00	5.00	
73 cis-1,3-Dichloropropene	75	11.446	11.452	-0.006	91	85873	5.00	5.05	
75 4-Methyl-2-pentanone (MIBK)	43	11.561	11.561	0.000	98	554344	25.0	25.7	
76 Toluene	92	11.896	11.890	0.006	97	133384	5.00	5.01	
77 Ethyl methacrylate	69	12.121	12.121	0.000	98	75067	5.00	4.81	
78 trans-1,3-Dichloropropene	75	12.151	12.151	0.000	96	76852	5.00	4.85	
79 1,1,2-Trichloroethane	83	12.431	12.437	-0.006	93	42332	5.00	5.11	
80 Tetrachloroethene	166	12.638	12.638	0.000	96	61003	5.00	5.30	
83 2-Hexanone	43	12.644	12.644	0.000	99	398535	25.0	26.8	
82 1,3-Dichloropropane	76	12.674	12.674	0.000	99	85106	5.00	5.28	
81 Chlorodibromomethane	129	13.021	13.015	0.006	89	53276	5.00	4.71	
85 Ethylene Dibromide	107	13.216	13.216	0.000	97	57450	5.00	5.04	
87 Chlorobenzene	112	13.806	13.806	0.000	95	147605	5.00	4.97	
89 Ethylbenzene	91	13.873	13.873	0.000	98	251601	5.00	5.21	
88 1,1,1,2-Tetrachloroethane	131	13.885	13.891	-0.006	94	54216	5.00	4.86	
90 m-Xylene & p-Xylene	106	14.013	14.013	0.000	0	103541	5.00	5.01	
93 o-Xylene	106	14.560	14.560	0.000	97	104284	5.00	5.09	
94 Styrene	104	14.579	14.579	0.000	96	167348	5.00	5.16	
92 Bromoform	173	14.931	14.931	0.000	95	34036	5.00	4.49	
95 Isopropylbenzene	105	15.004	15.004	0.000	96	262649	5.00	5.11	
97 1,1,2,2-Tetrachloroethane	83	15.430	15.430	0.000	96	75453	5.00	4.87	
98 trans-1,4-Dichloro-2-buten	53	15.479	15.485	-0.006	78	34532	5.00	4.98	M
100 Bromobenzene	156	15.522	15.522	0.000	93	66670	5.00	5.27	
101 1,2,3-Trichloropropane	110	15.515	15.522	-0.007	63	25137	5.00	5.27	
99 N-Propylbenzene	91	15.534	15.534	0.000	98	306884	5.00	5.33	
103 2-Chlorotoluene	126	15.722	15.722	0.000	95	64468	5.00	5.20	
102 1,3,5-Trimethylbenzene	105	15.728	15.728	0.000	95	222436	5.00	5.24	
105 4-Chlorotoluene	126	15.850	15.850	0.000	98	67165	5.00	5.17	
106 tert-Butylbenzene	134	16.166	16.172	-0.006	93	49723	5.00	5.12	
107 1,2,4-Trimethylbenzene	105	16.233	16.233	0.000	97	227601	5.00	5.04	

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	16.440	16.440	0.000	94	284363	5.00	5.12	
112 4-Isopropyltoluene	119	16.592	16.592	0.000	97	249904	5.00	5.12	
110 1,3-Dichlorobenzene	146	16.677	16.677	0.000	99	133843	5.00	5.12	
111 1,4-Dichlorobenzene	146	16.787	16.787	0.000	96	134421	5.00	5.14	
115 n-Butylbenzene	91	17.109	17.109	0.000	97	216172	5.00	5.13	
116 1,2-Dichlorobenzene	146	17.274	17.267	0.007	97	131900	5.00	5.02	
117 1,2-Dibromo-3-Chloropropan	75	18.241	18.241	0.000	76	19559	5.00	4.70	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	95	98059	5.00	5.01	
120 Hexachlorobutadiene	225	19.470	19.470	0.000	96	36847	5.00	5.02	
121 Naphthalene	128	19.719	19.713	0.006	97	326697	5.00	4.99	
122 1,2,3-Trichlorobenzene	180	20.078	20.072	0.006	97	98190	5.00	5.04	
S 123 1,2-Dichloroethene, Total	1				0			10.3	
S 124 1,3-Dichloropropene, Total	1				0			9.90	
S 125 Total BTEX	1				0			25.5	
S 126 Xylenes, Total	1				0			10.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00082

Amount Added: 5.00

Units: uL

GAS CORP mix_00178

Amount Added: 5.00

Units: uL

P 8260 IS_00166

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00195

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20160915-56398.b\\P0161.D

Injection Date: 15-Sep-2016 15:55:30

Instrument ID: HP5973P

Operator ID: CDC

Lims ID: IC 3

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

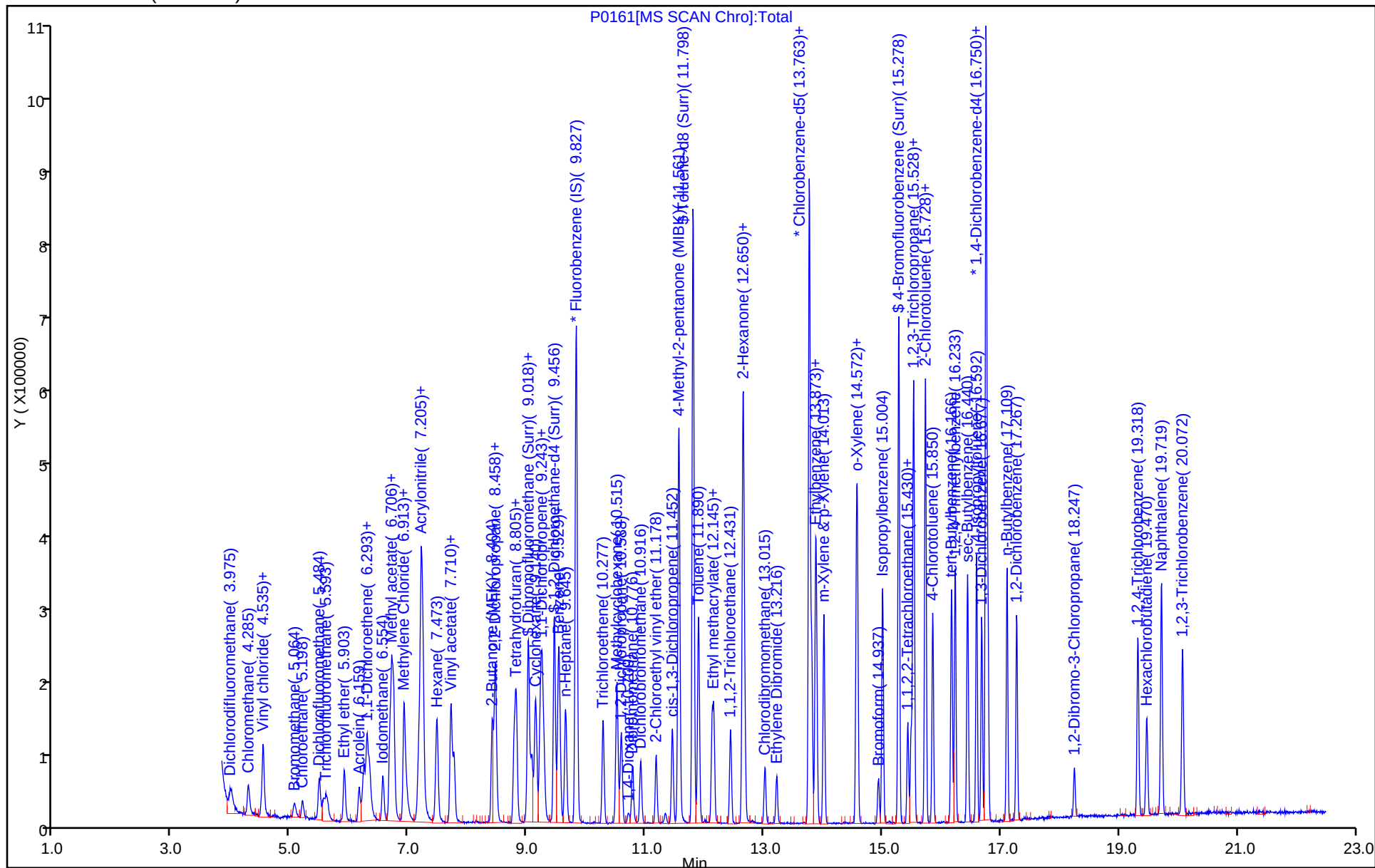
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0161.D

Injection Date: 15-Sep-2016 15:55:30

Instrument ID: HP5973P

Lims ID: IC 3

Client ID:

Operator ID: CDC

ALS Bottle#:

4

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

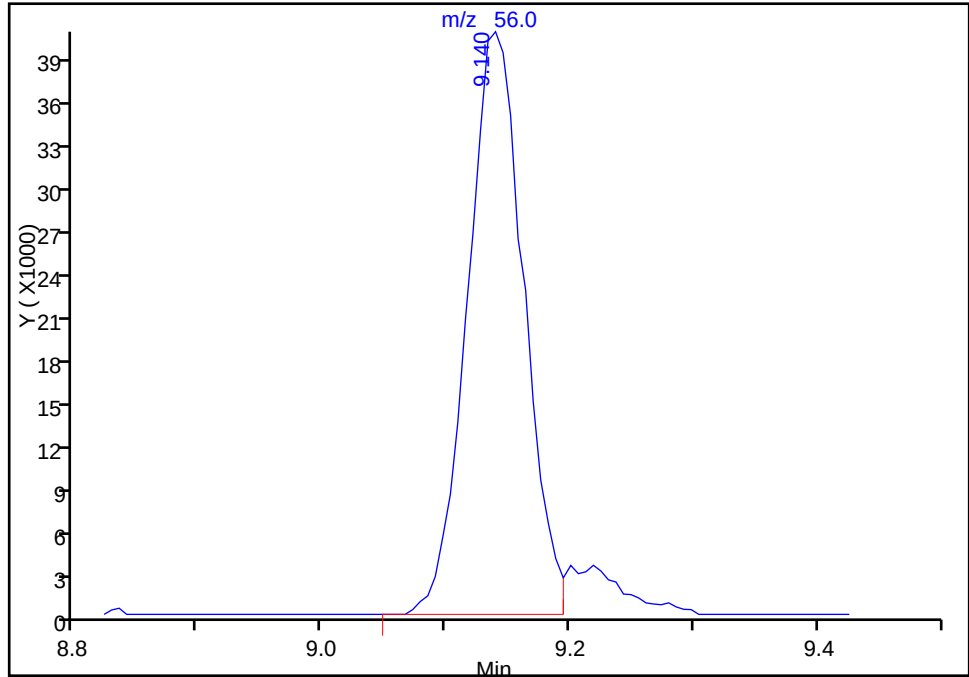
Detector: MS SCAN

54 Cyclohexane, CAS: 110-82-7

Signal: 1

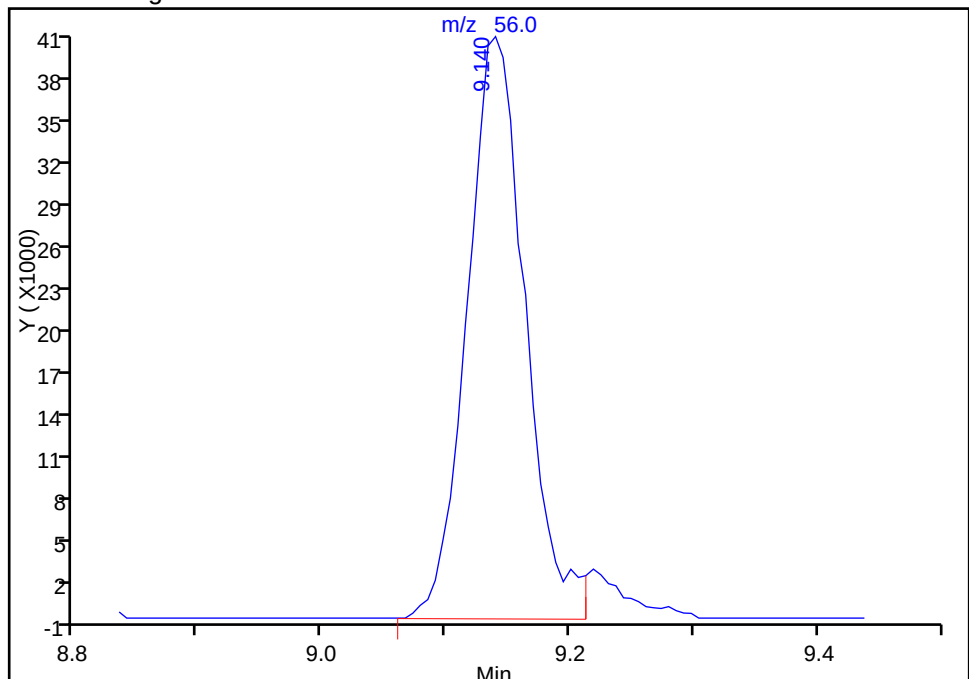
RT: 9.14
Area: 127474
Amount: 5.069657
Amount Units: ug/L

Processing Integration Results



RT: 9.14
Area: 131329
Amount: 5.196415
Amount Units: ug/L

Manual Integration Results



Reviewer: cwiklinc, 16-Sep-2016 13:08:21

Audit Action: Manually Integrated

Audit Reason: Other

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0161.D

Injection Date: 15-Sep-2016 15:55:30

Instrument ID: HP5973P

Lims ID: IC 3

Client ID:

Operator ID: CDC

ALS Bottle#:

4

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

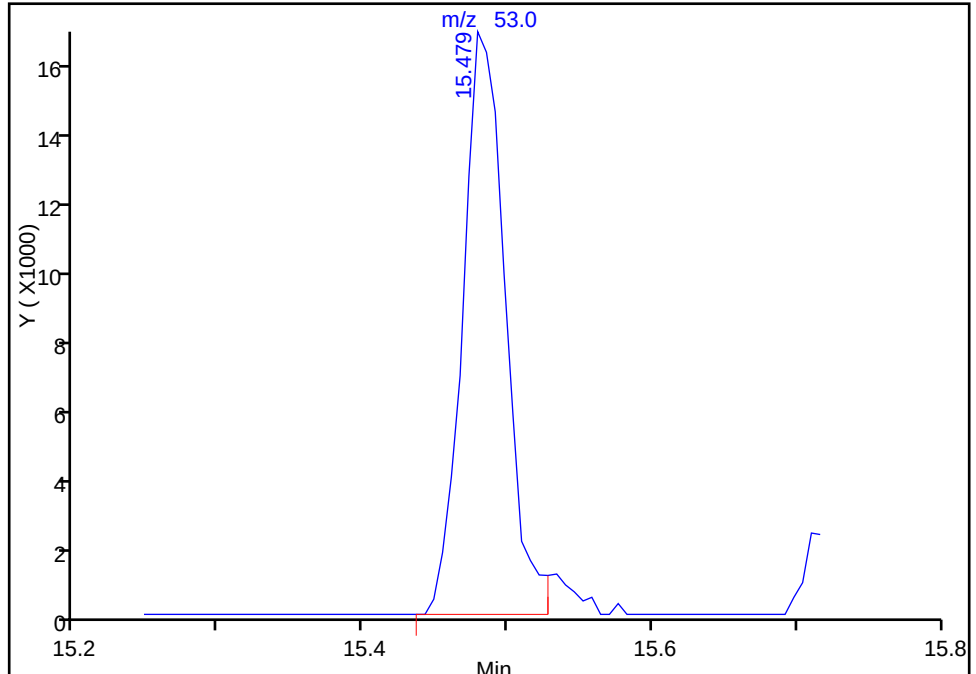
MS SCAN

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

Signal: 1

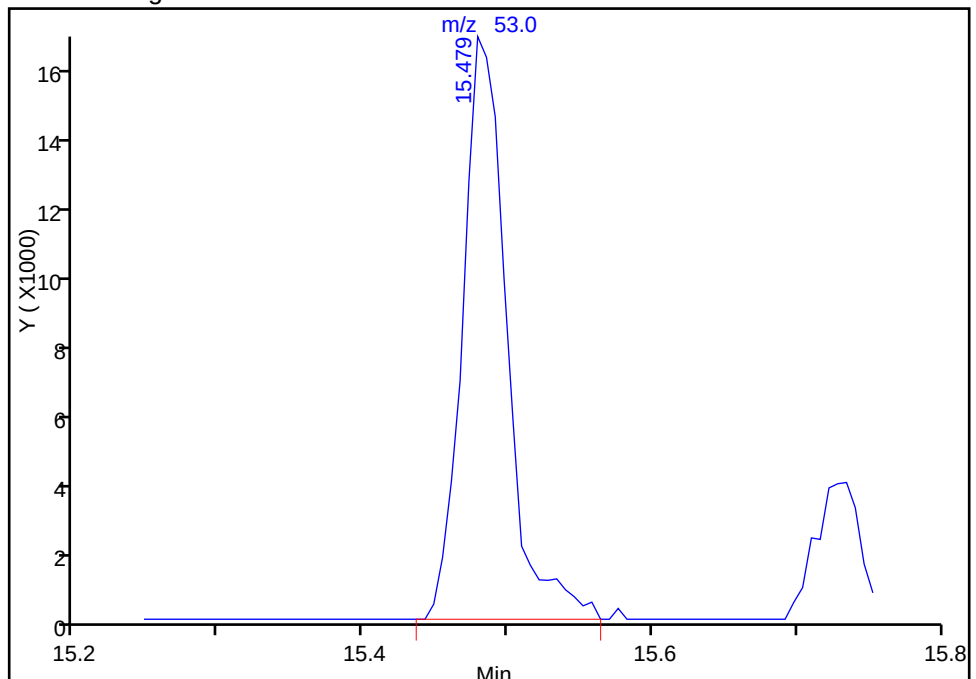
RT: 15.48
Area: 33287
Amount: 4.856310
Amount Units: ug/L

Processing Integration Results



RT: 15.48
Area: 34532
Amount: 4.981712
Amount Units: ug/L

Manual Integration Results



Reviewer: cwklinc, 16-Sep-2016 13:13:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0162.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 15-Sep-2016 16:23:30 ALS Bottle#: 5 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0056398-008
 Operator ID: CDC Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Sep-2016 14:06:32 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: gentilej

Date: 16-Sep-2016 10:25:40

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	9.827	9.827	0.000	98	153311	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	306384	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	328000	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	189512	25.0	25.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	121564	25.0	24.7	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	92	684473	25.0	25.2	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	233220	25.0	25.0	
10 Dichlorodifluoromethane	85	3.987	3.987	0.000	98	125122	10.0	9.81	
11 Chloromethane	50	4.291	4.291	0.000	99	133956	10.0	10.0	
17 Vinyl chloride	62	4.510	4.510	0.000	98	95970	10.0	9.92	
144 Butadiene	54	4.535	4.535	0.000	95	103137	10.0	9.85	
12 Bromomethane	94	5.058	5.058	0.000	93	38835	10.0	9.34	
13 Chloroethane	64	5.204	5.204	0.000	97	48709	10.0	9.44	
19 Dichlorofluoromethane	67	5.484	5.484	0.000	98	161706	10.0	9.56	
14 Trichlorofluoromethane	101	5.599	5.599	0.000	98	177493	10.0	9.92	
20 Ethyl ether	59	5.910	5.910	0.000	97	119651	10.0	10.0	
22 Acrolein	56	6.159	6.159	0.000	100	148633	50.0	50.6	
16 1,1,2-Trichloro-1,2,2-trif	101	6.238	6.238	0.000	94	118813	10.0	10.0	
25 1,1-Dichloroethene	96	6.293	6.293	0.000	94	103627	10.0	10.1	
24 Acetone	43	6.335	6.335	0.000	99	313735	50.0	49.8	
18 Iodomethane	142	6.554	6.554	0.000	98	198982	10.0	10.1	
27 Carbon disulfide	76	6.670	6.670	0.000	100	337019	10.0	9.68	
30 Methyl acetate	43	6.706	6.706	0.000	100	825998	50.0	50.0	
28 3-Chloro-1-propene	41	6.743	6.743	0.000	88	240217	10.0	9.86	
31 Methylene Chloride	84	6.913	6.913	0.000	94	120127	10.0	10.3	
33 2-Methyl-2-propanol	59	6.944	6.944	0.000	97	273183	100.0	97.7	
32 Methyl tert-butyl ether	73	7.169	7.169	0.000	99	352120	10.0	10.1	
34 Acrylonitrile	53	7.211	7.211	0.000	99	786199	100.0	100.2	
35 trans-1,2-Dichloroethene	96	7.236	7.236	0.000	93	110305	10.0	10.2	
36 Hexane	57	7.473	7.473	0.000	96	191013	10.0	9.89	

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	7.704	7.704	0.000	97	716794	20.0	20.1	
40 1,1-Dichloroethane	63	7.759	7.759	0.000	96	220959	10.0	9.69	
44 2-Butanone (MEK)	43	8.404	8.404	0.000	98	556594	50.0	49.9	
45 2,2-Dichloropropane	77	8.459	8.459	0.000	93	159882	10.0	10.2	
43 cis-1,2-Dichloroethene	96	8.465	8.465	0.000	86	119146	10.0	10.1	
50 Chlorobromomethane	128	8.775	8.775	0.000	92	60354	10.0	9.87	
51 Tetrahydrofuran	42	8.799	8.799	0.000	92	150745	20.0	19.5	
49 Chloroform	83	8.811	8.811	0.000	95	182569	10.0	9.94	
52 1,1,1-Trichloroethane	97	9.079	9.079	0.000	98	167291	10.0	10.1	
54 Cyclohexane	56	9.140	9.140	0.000	93	256350	10.0	9.96	
53 Isobutyl alcohol	43	9.219	9.219	0.000	96	330200	250.0	263.1	
56 1,1-Dichloropropene	75	9.243	9.243	0.000	87	146537	10.0	10.2	
55 Carbon tetrachloride	117	9.274	9.274	0.000	95	158472	10.0	10.2	
57 Benzene	78	9.529	9.529	0.000	98	416892	10.0	9.98	
60 1,2-Dichloroethane	62	9.548	9.548	0.000	96	173601	10.0	10.0	
59 n-Heptane	43	9.645	9.645	0.000	98	197147	10.0	9.68	
62 Trichloroethene	95	10.278	10.278	0.000	94	112729	10.0	9.98	
64 Methylcyclohexane	83	10.515	10.515	0.000	98	185436	10.0	10.0	
63 1,2-Dichloropropane	63	10.582	10.582	0.000	94	121864	10.0	10.0	
68 1,4-Dioxane	88	10.709	10.709	0.000	98	36549	200.0	218.6	
69 Dibromomethane	93	10.776	10.776	0.000	94	74265	10.0	9.94	
70 Dichlorobromomethane	83	10.916	10.916	0.000	96	130564	10.0	9.75	
71 2-Chloroethyl vinyl ether	63	11.172	11.172	0.000	92	95146	10.0	9.77	
73 cis-1,3-Dichloropropene	75	11.446	11.446	0.000	90	170334	10.0	9.84	
75 4-Methyl-2-pentanone (MIBK)	43	11.561	11.561	0.000	99	1110347	50.0	51.1	
76 Toluene	92	11.890	11.890	0.000	98	266265	10.0	9.94	
77 Ethyl methacrylate	69	12.127	12.127	0.000	97	156033	10.0	9.94	
78 trans-1,3-Dichloropropene	75	12.151	12.151	0.000	97	160258	10.0	10.1	
79 1,1,2-Trichloroethane	83	12.431	12.431	0.000	93	83304	10.0	10.0	
80 Tetrachloroethene	166	12.644	12.644	0.000	94	117097	10.0	10.1	
83 2-Hexanone	43	12.644	12.644	0.000	99	785106	50.0	52.6	
82 1,3-Dichloropropane	76	12.674	12.674	0.000	99	167521	10.0	10.3	
81 Chlorodibromomethane	129	13.015	13.015	0.000	91	108205	10.0	9.52	
85 Ethylene Dibromide	107	13.216	13.216	0.000	98	113900	10.0	9.94	
87 Chlorobenzene	112	13.806	13.806	0.000	95	302644	10.0	10.1	
89 Ethylbenzene	91	13.873	13.873	0.000	98	496210	10.0	10.2	
88 1,1,1,2-Tetrachloroethane	131	13.885	13.885	0.000	94	114062	10.0	10.2	
90 m-Xylene & p-Xylene	106	14.013	14.013	0.000	0	204115	10.0	9.84	
93 o-Xylene	106	14.560	14.560	0.000	95	210300	10.0	10.2	
94 Styrene	104	14.579	14.579	0.000	96	337071	10.0	10.3	
92 Bromoform	173	14.931	14.931	0.000	96	71894	10.0	9.43	
95 Isopropylbenzene	105	15.004	15.004	0.000	96	527853	10.0	10.0	
97 1,1,2,2-Tetrachloroethane	83	15.430	15.430	0.000	95	154522	10.0	9.71	
98 trans-1,4-Dichloro-2-buten	53	15.485	15.485	0.000	80	71006	10.0	9.98	
100 Bromobenzene	156	15.522	15.522	0.000	92	130527	10.0	10.0	
101 1,2,3-Trichloropropane	110	15.522	15.522	0.000	64	50934	10.0	10.4	
99 N-Propylbenzene	91	15.534	15.534	0.000	98	606265	10.0	10.3	
103 2-Chlorotoluene	126	15.728	15.728	0.000	95	129309	10.0	10.2	
102 1,3,5-Trimethylbenzene	105	15.728	15.728	0.000	95	437940	10.0	10.1	
105 4-Chlorotoluene	126	15.856	15.856	0.000	98	132487	10.0	9.94	
106 tert-Butylbenzene	134	16.173	16.173	0.000	94	99230	10.0	9.96	
107 1,2,4-Trimethylbenzene	105	16.227	16.227	0.000	97	467242	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.440	16.440	0.000	94	568941	10.0	9.98	
112 4-Isopropyltoluene	119	16.592	16.592	0.000	97	497421	10.0	9.92	
110 1,3-Dichlorobenzene	146	16.677	16.677	0.000	98	264590	10.0	9.86	
111 1,4-Dichlorobenzene	146	16.781	16.781	0.000	95	267154	10.0	9.96	
115 n-Butylbenzene	91	17.109	17.109	0.000	98	429609	10.0	9.94	
116 1,2-Dichlorobenzene	146	17.268	17.268	0.000	97	264838	10.0	9.83	
117 1,2-Dibromo-3-Chloropropan	75	18.241	18.241	0.000	81	40726	10.0	9.53	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	94	200952	10.0	10.0	
120 Hexachlorobutadiene	225	19.470	19.470	0.000	98	73089	10.0	9.70	
121 Naphthalene	128	19.719	19.719	0.000	97	669741	10.0	9.97	
122 1,2,3-Trichlorobenzene	180	20.072	20.072	0.000	96	191633	10.0	9.59	
S 123 1,2-Dichloroethene, Total	1				0			20.3	
S 124 1,3-Dichloropropene, Total	1				0			19.9	
S 125 Total BTEX	1				0			50.2	
S 126 Xylenes, Total	1				0			20.1	

Reagents:

8260 CORP mix_00082	Amount Added: 5.00	Units: uL	
GAS CORP mix_00178	Amount Added: 5.00	Units: uL	
P 8260 IS_00166	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00195	Amount Added: 1.25	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20160915-56398.b\\P0162.D

Injection Date: 15-Sep-2016 16:23:30

Instrument ID: HP5973P

Operator ID: CDC

Lims ID: IC 4

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

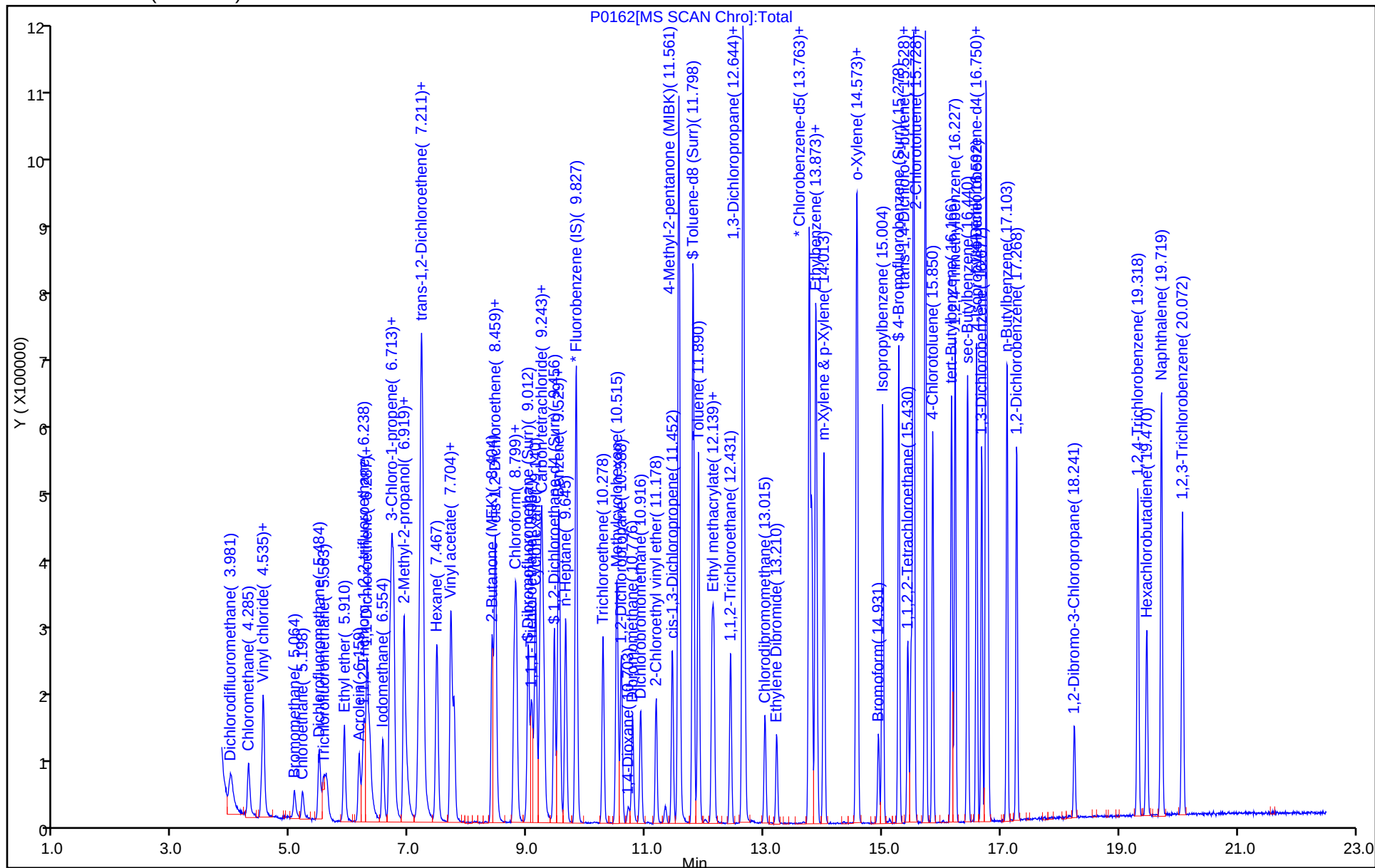
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0163.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 15-Sep-2016 16:50:30 ALS Bottle#: 6 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0056398-009
 Operator ID: CDC Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Sep-2016 14:06:46 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: cwiklinc

Date: 16-Sep-2016 12:56:59

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	9.827	9.827	0.000	98	153518	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	85	307919	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.756	16.756	0.000	95	325473	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	95	191555	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	124198	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	92	685775	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	235975	25.0	25.2	
10 Dichlorodifluoromethane	85	3.987	3.987	0.000	99	316997	25.0	24.8	
11 Chloromethane	50	4.297	4.297	0.000	99	333329	25.0	24.9	
17 Vinyl chloride	62	4.516	4.516	0.000	98	248064	25.0	25.6	
144 Butadiene	54	4.541	4.541	0.000	93	262362	25.0	25.0	
12 Bromomethane	94	5.070	5.070	0.000	93	93512	25.0	22.5	
13 Chloroethane	64	5.204	5.204	0.000	96	127724	25.0	24.7	
19 Dichlorofluoromethane	67	5.484	5.484	0.000	98	396147	25.0	23.4	
14 Trichlorofluoromethane	101	5.599	5.599	0.000	98	448037	25.0	25.0	
20 Ethyl ether	59	5.903	5.903	0.000	98	303919	25.0	25.4	
22 Acrolein	56	6.159	6.159	0.000	100	393742	125.0	133.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.238	6.238	0.000	93	294757	25.0	24.9	
25 1,1-Dichloroethene	96	6.293	6.293	0.000	93	262421	25.0	25.4	
24 Acetone	43	6.335	6.335	0.000	99	784445	125.0	124.4	
18 Iodomethane	142	6.554	6.554	0.000	98	506456	25.0	25.6	
27 Carbon disulfide	76	6.670	6.670	0.000	100	896050	25.0	25.7	
30 Methyl acetate	43	6.706	6.706	0.000	100	2070623	125.0	125.2	
28 3-Chloro-1-propene	41	6.743	6.743	0.000	87	606803	25.0	24.9	
31 Methylene Chloride	84	6.913	6.913	0.000	94	284558	25.0	26.1	
33 2-Methyl-2-propanol	59	6.944	6.944	0.000	98	691395	250.0	246.9	M
32 Methyl tert-butyl ether	73	7.169	7.169	0.000	99	893090	25.0	25.5	
34 Acrylonitrile	53	7.205	7.205	0.000	98	1955160	250.0	248.9	
35 trans-1,2-Dichloroethene	96	7.236	7.236	0.000	93	275889	25.0	25.5	
36 Hexane	57	7.473	7.473	0.000	96	488016	25.0	25.2	

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	7.704	7.704	0.000	96	1823582	50.0	51.0	
40 1,1-Dichloroethane	63	7.765	7.765	0.000	96	565418	25.0	24.8	
44 2-Butanone (MEK)	43	8.404	8.404	0.000	98	1391034	125.0	124.5	
45 2,2-Dichloropropane	77	8.458	8.458	0.000	93	400226	25.0	25.5	
43 cis-1,2-Dichloroethene	96	8.458	8.458	0.000	86	303118	25.0	25.6	
50 Chlorobromomethane	128	8.775	8.775	0.000	92	156867	25.0	25.6	
51 Tetrahydrofuran	42	8.799	8.799	0.000	95	381126	50.0	49.2	
49 Chloroform	83	8.811	8.811	0.000	95	460475	25.0	25.0	
52 1,1,1-Trichloroethane	97	9.073	9.073	0.000	98	424454	25.0	25.6	
54 Cyclohexane	56	9.140	9.140	0.000	93	649915	25.0	25.2	M
53 Isobutyl alcohol	43	9.219	9.219	0.000	98	849426	625.0	676.0	
56 1,1-Dichloropropene	75	9.243	9.243	0.000	91	366879	25.0	25.4	
55 Carbon tetrachloride	117	9.274	9.274	0.000	97	400005	25.0	25.8	
57 Benzene	78	9.529	9.529	0.000	98	1054334	25.0	25.2	
60 1,2-Dichloroethane	62	9.547	9.547	0.000	96	434942	25.0	25.1	
59 n-Heptane	43	9.645	9.645	0.000	98	477227	25.0	23.4	
62 Trichloroethene	95	10.277	10.277	0.000	95	286237	25.0	25.3	
64 Methylcyclohexane	83	10.509	10.509	0.000	98	469709	25.0	25.4	
63 1,2-Dichloropropane	63	10.588	10.588	0.000	95	305900	25.0	25.1	
68 1,4-Dioxane	88	10.715	10.715	0.000	99	91301	500.0	543.3	
69 Dibromomethane	93	10.776	10.776	0.000	96	188896	25.0	25.3	
70 Dichlorobromomethane	83	10.916	10.916	0.000	96	343300	25.0	25.6	
71 2-Chloroethyl vinyl ether	63	11.178	11.178	0.000	92	246566	25.0	25.3	
73 cis-1,3-Dichloropropene	75	11.452	11.452	0.000	91	441047	25.0	25.4	
75 4-Methyl-2-pentanone (MIBK)	43	11.561	11.561	0.000	98	2758992	125.0	126.4	
76 Toluene	92	11.890	11.890	0.000	98	676490	25.0	25.1	
77 Ethyl methacrylate	69	12.121	12.121	0.000	94	399664	25.0	25.3	
78 trans-1,3-Dichloropropene	75	12.151	12.151	0.000	98	409702	25.0	25.6	
79 1,1,2-Trichloroethane	83	12.437	12.437	0.000	94	209121	25.0	25.0	
80 Tetrachloroethene	166	12.638	12.638	0.000	96	297361	25.0	25.6	
83 2-Hexanone	43	12.644	12.644	0.000	99	1937075	125.0	129.1	
82 1,3-Dichloropropane	76	12.674	12.674	0.000	99	417086	25.0	25.6	
81 Chlorodibromomethane	129	13.015	13.015	0.000	90	296969	25.0	26.0	
85 Ethylene Dibromide	107	13.216	13.216	0.000	99	291834	25.0	25.3	
87 Chlorobenzene	112	13.806	13.806	0.000	95	753992	25.0	25.1	
89 Ethylbenzene	91	13.873	13.873	0.000	98	1244016	25.0	25.5	
88 1,1,1,2-Tetrachloroethane	131	13.891	13.891	0.000	95	285062	25.0	25.3	
90 m-Xylene & p-Xylene	106	14.013	14.013	0.000	0	517725	25.0	24.8	
93 o-Xylene	106	14.560	14.560	0.000	97	532782	25.0	25.8	
94 Styrene	104	14.579	14.579	0.000	96	852802	25.0	26.1	
92 Bromoform	173	14.931	14.931	0.000	96	201665	25.0	26.3	
95 Isopropylbenzene	105	15.004	15.004	0.000	96	1322020	25.0	25.2	
97 1,1,2,2-Tetrachloroethane	83	15.430	15.430	0.000	95	400892	25.0	25.4	
98 trans-1,4-Dichloro-2-buten	53	15.485	15.485	0.000	84	179761	25.0	25.5	M
100 Bromobenzene	156	15.522	15.522	0.000	93	322190	25.0	25.0	
101 1,2,3-Trichloropropane	110	15.522	15.522	0.000	61	122337	25.0	25.2	
99 N-Propylbenzene	91	15.534	15.534	0.000	98	1475730	25.0	25.2	
103 2-Chlorotoluene	126	15.722	15.722	0.000	96	322287	25.0	25.5	
102 1,3,5-Trimethylbenzene	105	15.728	15.728	0.000	95	1114121	25.0	25.8	
105 4-Chlorotoluene	126	15.850	15.850	0.000	98	332157	25.0	25.1	
106 tert-Butylbenzene	134	16.172	16.172	0.000	94	248182	25.0	25.1	
107 1,2,4-Trimethylbenzene	105	16.233	16.233	0.000	97	1171357	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	16.440	16.440	0.000	94	1436274	25.0	25.4	
112 4-Isopropyltoluene	119	16.592	16.592	0.000	97	1263964	25.0	25.4	
110 1,3-Dichlorobenzene	146	16.677	16.677	0.000	99	665756	25.0	25.0	
111 1,4-Dichlorobenzene	146	16.787	16.787	0.000	95	664185	25.0	24.9	
115 n-Butylbenzene	91	17.109	17.109	0.000	98	1092462	25.0	25.5	
116 1,2-Dichlorobenzene	146	17.267	17.267	0.000	98	668330	25.0	25.0	
117 1,2-Dibromo-3-Chloropropan	75	18.241	18.241	0.000	82	108433	25.0	25.6	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	95	501375	25.0	25.1	
120 Hexachlorobutadiene	225	19.470	19.470	0.000	98	189736	25.0	25.4	
121 Naphthalene	128	19.713	19.713	0.000	97	1697535	25.0	25.5	
122 1,2,3-Trichlorobenzene	180	20.072	20.072	0.000	95	485831	25.0	24.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00082	Amount Added: 12.50	Units: uL	
GAS CORP mix_00178	Amount Added: 12.50	Units: uL	
P 8260 IS_00166	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr_00195	Amount Added: 1.25	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20160915-56398.b\\P0163.D

Injection Date: 15-Sep-2016 16:50:30

Instrument ID: HP5973P

Operator ID: CDC

Lims ID: ICIS 5

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

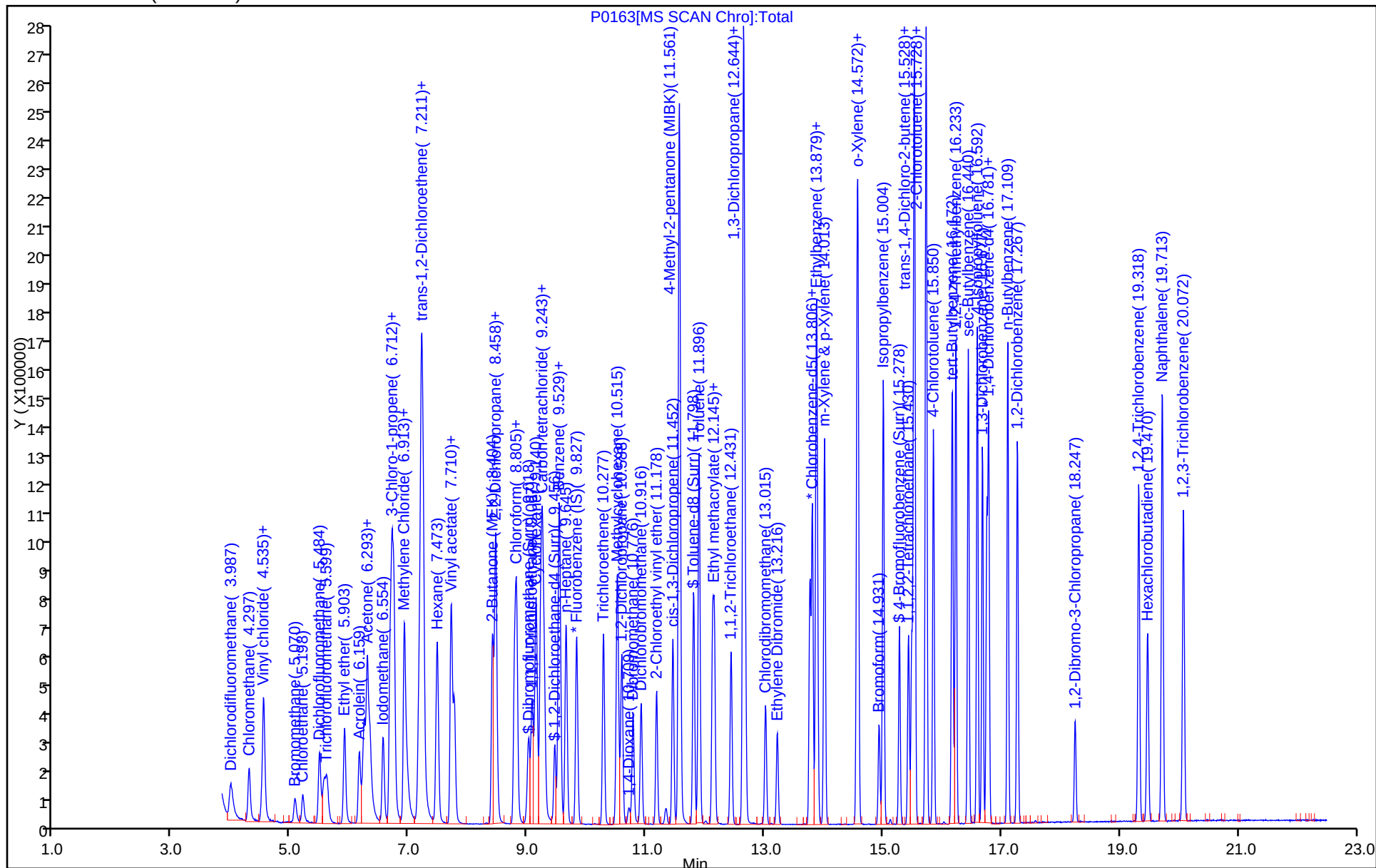
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0163.D

Injection Date: 15-Sep-2016 16:50:30

Instrument ID: HP5973P

Lims ID: ICIS 5

Client ID:

Operator ID: CDC

ALS Bottle#:

6

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

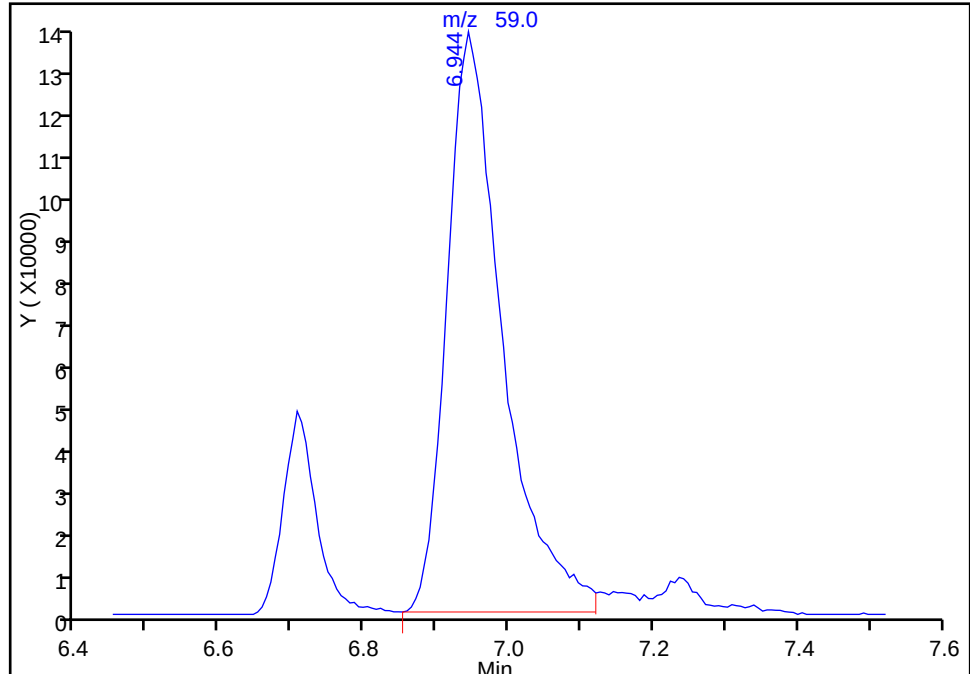
Detector: MS SCAN

33 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

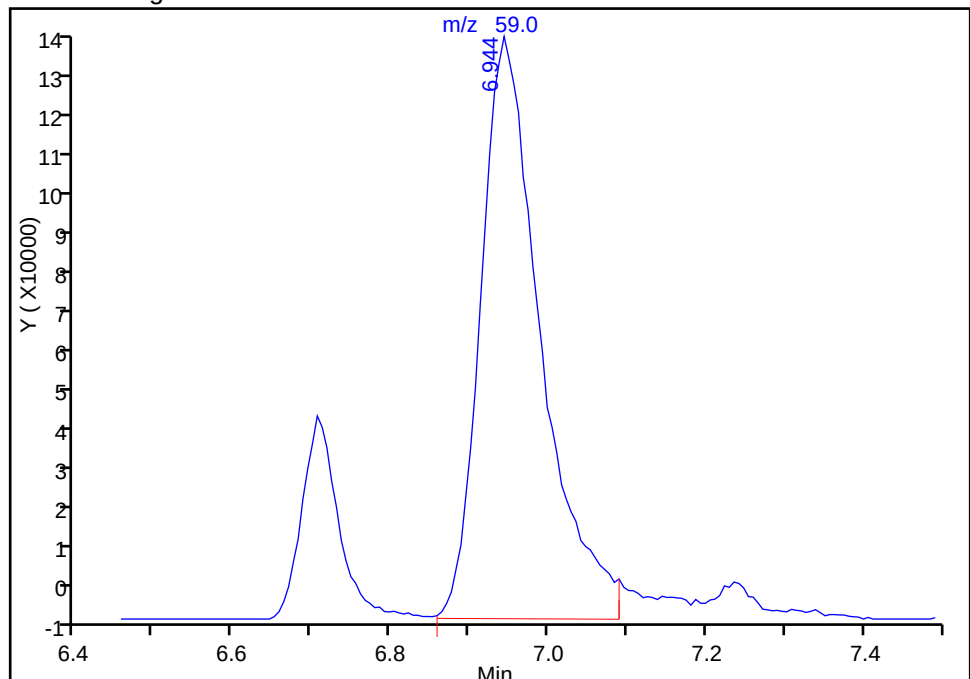
RT: 6.94
Area: 694593
Amount: 256.6243
Amount Units: ug/L

Processing Integration Results



RT: 6.94
Area: 691395
Amount: 246.9473
Amount Units: ug/L

Manual Integration Results



Reviewer: cwiklinc, 16-Sep-2016 13:05:15

Audit Action: Manually Integrated

Audit Reason: Other

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0163.D

Injection Date: 15-Sep-2016 16:50:30

Instrument ID: HP5973P

Lims ID: ICIS 5

Client ID:

Operator ID: CDC

ALS Bottle#:

6

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

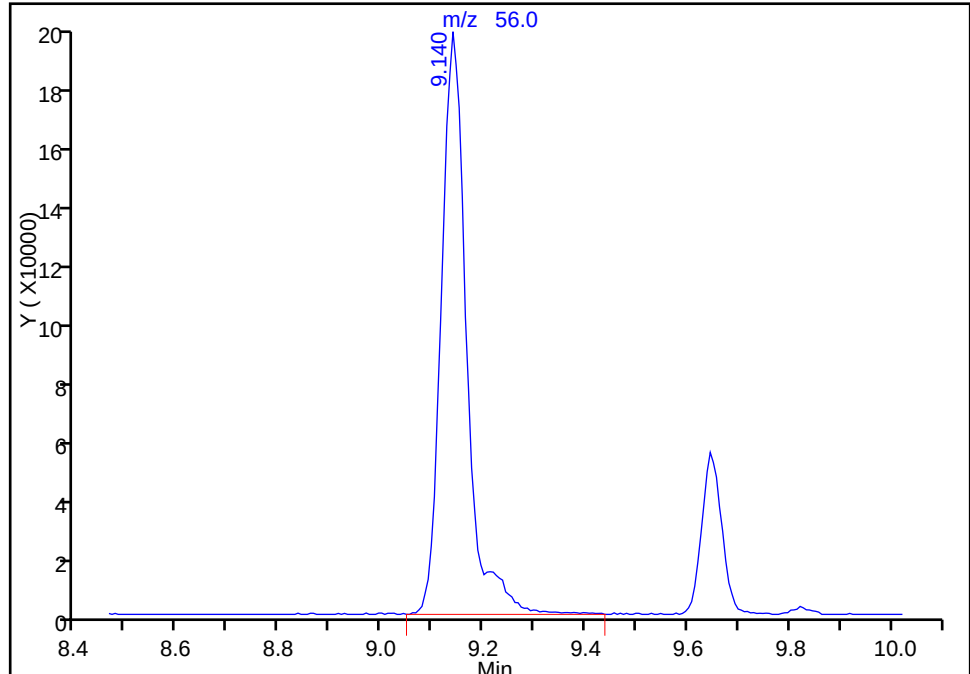
Detector: MS SCAN

54 Cyclohexane, CAS: 110-82-7

Signal: 1

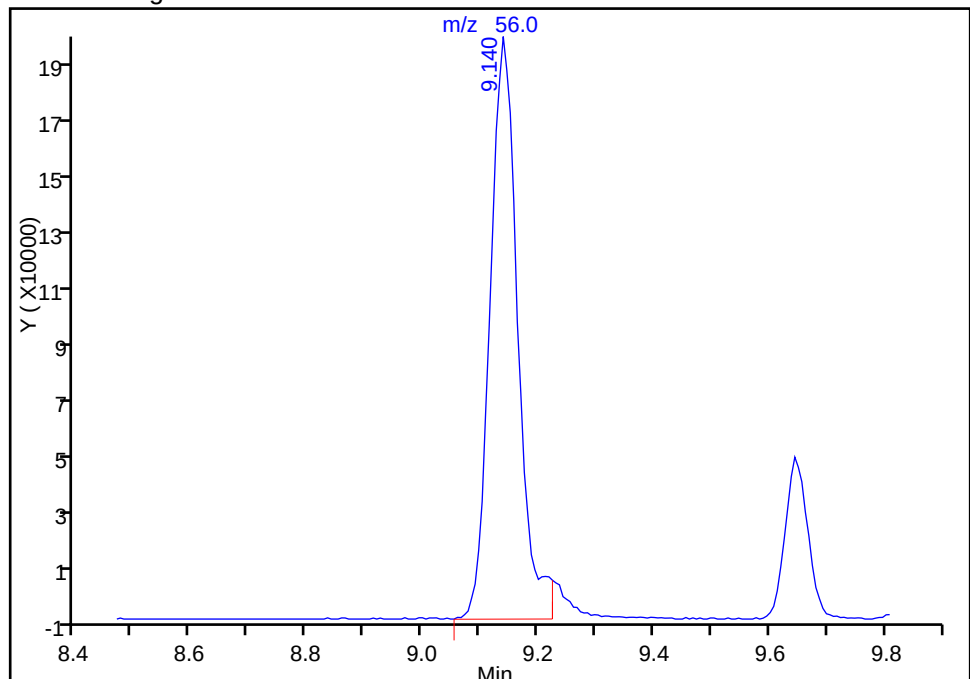
RT: 9.14
Area: 676775
Amount: 25.955608
Amount Units: ug/L

Processing Integration Results



RT: 9.14
Area: 649915
Amount: 25.225982
Amount Units: ug/L

Manual Integration Results



Reviewer: cwiklinc, 16-Sep-2016 12:56:59

Audit Action: Manually Integrated

Audit Reason: Other

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0163.D

Injection Date: 15-Sep-2016 16:50:30

Instrument ID: HP5973P

Lims ID: ICIS 5

Client ID:

Operator ID: CDC

ALS Bottle#:

6

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

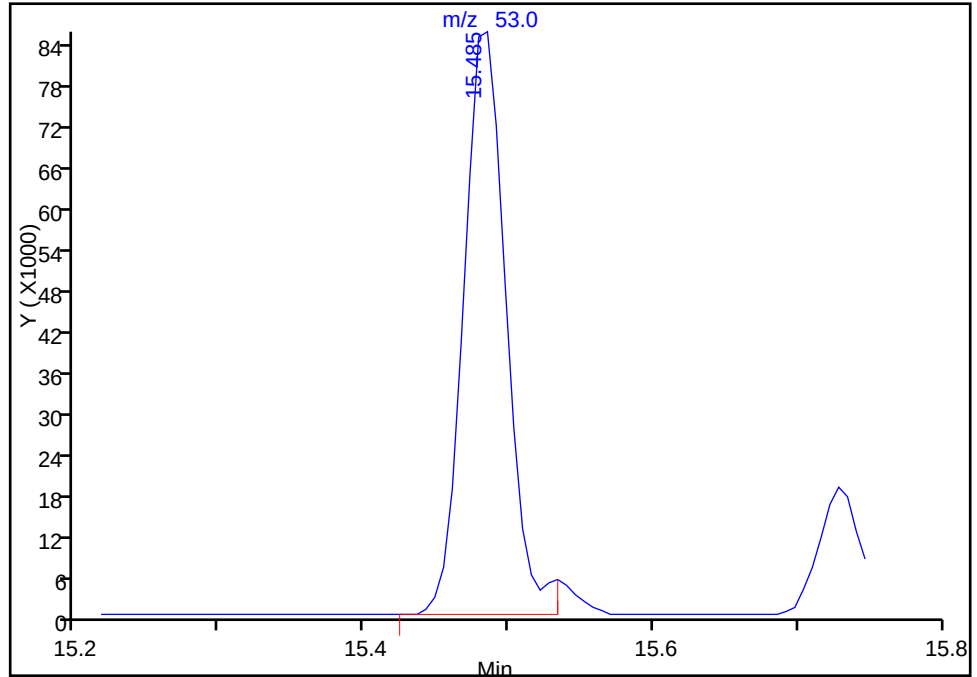
MS SCAN

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

Signal: 1

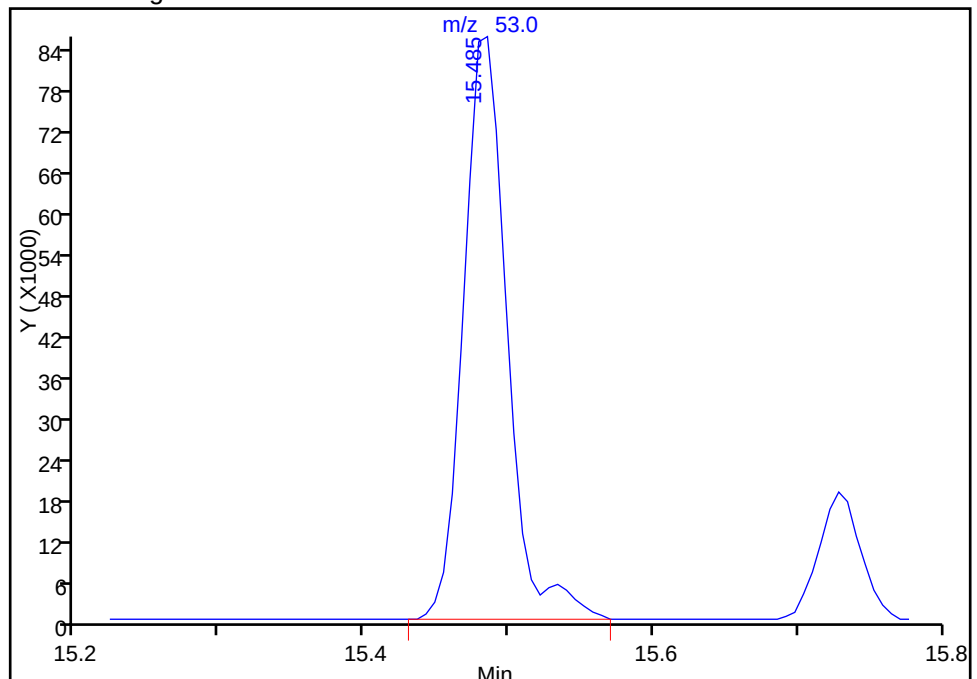
RT: 15.49
Area: 175860
Amount: 25.060340
Amount Units: ug/L

Processing Integration Results



RT: 15.49
Area: 179761
Amount: 25.461763
Amount Units: ug/L

Manual Integration Results



Reviewer: cwklinc, 16-Sep-2016 13:13:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0164.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 15-Sep-2016 17:17:30 ALS Bottle#: 7 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0056398-010
 Operator ID: CDC Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Sep-2016 14:07:00 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: gentilej

Date: 16-Sep-2016 10:26:40

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	9.828	9.827	0.001	98	157576	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.770	13.763	0.007	85	316434	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.756	-0.005	96	325234	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	192253	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.463	9.456	0.007	0	124498	25.0	24.6	
\$ 5 Toluene-d8 (Surr)	98	11.805	11.798	0.007	92	700527	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	89	240087	25.0	24.9	
10 Dichlorodifluoromethane	85	3.987	3.987	0.000	99	655704	50.0	50.0	
11 Chloromethane	50	4.304	4.297	0.007	99	667357	50.0	48.6	
17 Vinyl chloride	62	4.529	4.516	0.013	98	487868	50.0	49.1	
144 Butadiene	54	4.547	4.541	0.006	95	520763	50.0	48.4	
12 Bromomethane	94	5.076	5.070	0.006	92	209309	50.0	49.0	
13 Chloroethane	64	5.204	5.204	0.000	97	255260	50.0	48.1	
19 Dichlorofluoromethane	67	5.496	5.484	0.012	98	946017	50.0	54.4	
14 Trichlorofluoromethane	101	5.606	5.599	0.007	99	950709	50.0	51.7	
20 Ethyl ether	59	5.910	5.903	0.007	98	614419	50.0	50.1	
22 Acrolein	56	6.159	6.159	0.000	99	811486	250.0	268.5	
16 1,1,2-Trichloro-1,2,2-trif	101	6.250	6.238	0.012	94	581840	50.0	47.8	
25 1,1-Dichloroethene	96	6.293	6.293	0.000	94	509003	50.0	48.0	
24 Acetone	43	6.336	6.335	0.001	99	1579639	250.0	244.1	
18 Iodomethane	142	6.561	6.554	0.007	98	1006552	50.0	49.5	
27 Carbon disulfide	76	6.676	6.670	0.006	100	1810688	50.0	50.6	
30 Methyl acetate	43	6.713	6.706	0.007	100	4142262	250.0	244.1	
28 3-Chloro-1-propene	41	6.743	6.743	0.000	83	1168959	50.0	46.7	
31 Methylene Chloride	84	6.920	6.913	0.007	94	558872	50.0	51.2	
33 2-Methyl-2-propanol	59	6.944	6.944	0.000	99	1429679	500.0	497.5	M
32 Methyl tert-butyl ether	73	7.169	7.169	0.000	99	1756434	50.0	48.9	
34 Acrylonitrile	53	7.212	7.205	0.007	98	3816395	500.0	473.3	
35 trans-1,2-Dichloroethene	96	7.242	7.236	0.006	93	519777	50.0	46.8	
36 Hexane	57	7.473	7.473	0.000	96	948308	50.0	47.8	

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	7.710	7.704	0.006	96	3687542	100.0	100.5	
40 1,1-Dichloroethane	63	7.765	7.765	0.000	96	1115463	50.0	47.6	
44 2-Butanone (MEK)	43	8.404	8.404	0.000	98	2850280	250.0	248.5	
45 2,2-Dichloropropane	77	8.459	8.458	0.001	60	773669	50.0	48.0	
43 cis-1,2-Dichloroethene	96	8.459	8.458	0.001	86	588978	50.0	48.4	
50 Chlorobromomethane	128	8.775	8.775	0.000	92	312730	50.0	49.7	
51 Tetrahydrofuran	42	8.799	8.799	0.000	93	762374	100.0	96.0	
49 Chloroform	83	8.812	8.811	0.001	95	910112	50.0	48.2	
52 1,1,1-Trichloroethane	97	9.073	9.073	0.000	98	849080	50.0	49.9	
54 Cyclohexane	56	9.146	9.140	0.006	91	1270827	50.0	48.1	
53 Isobutyl alcohol	43	9.219	9.219	0.000	97	1716344	1250.0	1330.7	
56 1,1-Dichloropropene	75	9.244	9.243	0.001	91	713146	50.0	48.1	
55 Carbon tetrachloride	117	9.280	9.274	0.006	96	789803	50.0	49.6	
57 Benzene	78	9.529	9.529	0.000	98	2109323	50.0	49.1	
60 1,2-Dichloroethane	62	9.554	9.547	0.007	96	866244	50.0	48.8	
59 n-Heptane	43	9.645	9.645	0.000	98	931971	50.0	44.5	
62 Trichloroethene	95	10.278	10.277	0.001	94	578413	50.0	49.8	
64 Methylcyclohexane	83	10.515	10.509	0.006	98	918457	50.0	48.3	
63 1,2-Dichloropropane	63	10.588	10.588	0.000	96	623174	50.0	49.7	
68 1,4-Dioxane	88	10.710	10.715	-0.005	99	186450	1000.0	1079.5	
69 Dibromomethane	93	10.777	10.776	0.001	96	384421	50.0	50.1	
70 Dichlorobromomethane	83	10.917	10.916	0.000	96	713866	50.0	51.9	
71 2-Chloroethyl vinyl ether	63	11.178	11.178	0.000	92	518558	50.0	51.8	
73 cis-1,3-Dichloropropene	75	11.452	11.452	0.000	91	913412	50.0	51.3	
75 4-Methyl-2-pentanone (MIBK)	43	11.561	11.561	0.000	98	5289843	250.0	235.9	
76 Toluene	92	11.896	11.890	0.006	98	1358005	50.0	49.1	
77 Ethyl methacrylate	69	12.121	12.121	0.000	95	822979	50.0	50.8	
78 trans-1,3-Dichloropropene	75	12.151	12.151	0.000	97	846709	50.0	51.5	
79 1,1,2-Trichloroethane	83	12.431	12.437	-0.006	93	432632	50.0	50.3	
80 Tetrachloroethene	166	12.638	12.638	0.000	95	568994	50.0	47.7	
83 2-Hexanone	43	12.644	12.644	0.000	99	3679249	250.0	238.7	
82 1,3-Dichloropropane	76	12.675	12.674	0.001	99	816626	50.0	48.8	
81 Chlorodibromomethane	129	13.015	13.015	0.000	91	628353	50.0	53.5	
85 Ethylene Dibromide	107	13.216	13.216	0.000	98	612928	50.0	51.8	
87 Chlorobenzene	112	13.806	13.806	0.000	94	1527496	50.0	49.5	
89 Ethylbenzene	91	13.873	13.873	0.000	98	2451343	50.0	48.9	
88 1,1,1,2-Tetrachloroethane	131	13.891	13.891	0.000	95	572718	50.0	49.5	
90 m-Xylene & p-Xylene	106	14.013	14.013	0.000	0	1044653	50.0	48.7	
93 o-Xylene	106	14.561	14.560	0.001	97	1041543	50.0	49.0	
94 Styrene	104	14.579	14.579	0.000	96	1672871	50.0	49.7	
92 Bromoform	173	14.932	14.931	0.001	96	440452	50.0	55.9	
95 Isopropylbenzene	105	15.005	15.004	0.001	96	2633138	50.0	50.3	
97 1,1,2,2-Tetrachloroethane	83	15.431	15.430	0.001	95	817236	50.0	51.8	
98 trans-1,4-Dichloro-2-buten	53	15.485	15.485	0.000	89	367394	50.0	52.1	
100 Bromobenzene	156	15.522	15.522	0.000	94	636814	50.0	49.4	
101 1,2,3-Trichloropropane	110	15.522	15.522	0.000	73	232977	50.0	48.0	
99 N-Propylbenzene	91	15.534	15.534	0.000	99	2885078	50.0	49.2	
103 2-Chlorotoluene	126	15.723	15.722	0.001	96	613466	50.0	48.6	
102 1,3,5-Trimethylbenzene	105	15.729	15.728	0.001	95	2154651	50.0	49.9	
105 4-Chlorotoluene	126	15.850	15.850	0.000	98	668494	50.0	50.6	
106 tert-Butylbenzene	134	16.173	16.172	0.001	94	496759	50.0	50.3	
107 1,2,4-Trimethylbenzene	105	16.234	16.233	0.001	97	2319070	50.0	50.5	

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	16.440	16.440	0.000	94	2862465	50.0	50.6	
112 4-Isopropyltoluene	119	16.592	16.592	0.000	97	2509444	50.0	50.5	
110 1,3-Dichlorobenzene	146	16.678	16.677	0.001	99	1323414	50.0	49.7	
111 1,4-Dichlorobenzene	146	16.787	16.787	0.000	94	1332264	50.0	50.1	
115 n-Butylbenzene	91	17.110	17.109	0.001	98	2169583	50.0	50.6	
116 1,2-Dichlorobenzene	146	17.268	17.267	0.001	98	1351260	50.0	50.6	
117 1,2-Dibromo-3-Chloropropan	75	18.241	18.241	0.000	83	230770	50.0	54.5	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	95	1005299	50.0	50.4	
120 Hexachlorobutadiene	225	19.470	19.470	0.000	98	371454	50.0	49.7	
121 Naphthalene	128	19.713	19.713	0.000	97	3395975	50.0	51.0	
122 1,2,3-Trichlorobenzene	180	20.072	20.072	0.000	96	988052	50.0	49.8	
S 123 1,2-Dichloroethene, Total	1				0			95.2	
S 124 1,3-Dichloropropene, Total	1				0			102.9	
S 125 Total BTEX	1				0			244.9	
S 126 Xylenes, Total	1				0			97.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00082

Amount Added: 25.00

Units: uL

GAS CORP mix_00178

Amount Added: 25.00

Units: uL

P 8260 IS_00166

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00195

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20160915-56398.b\\P0164.D

Injection Date: 15-Sep-2016 17:17:30

Instrument ID: HP5973P

Operator ID: CDC

Lims ID: IC 6

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

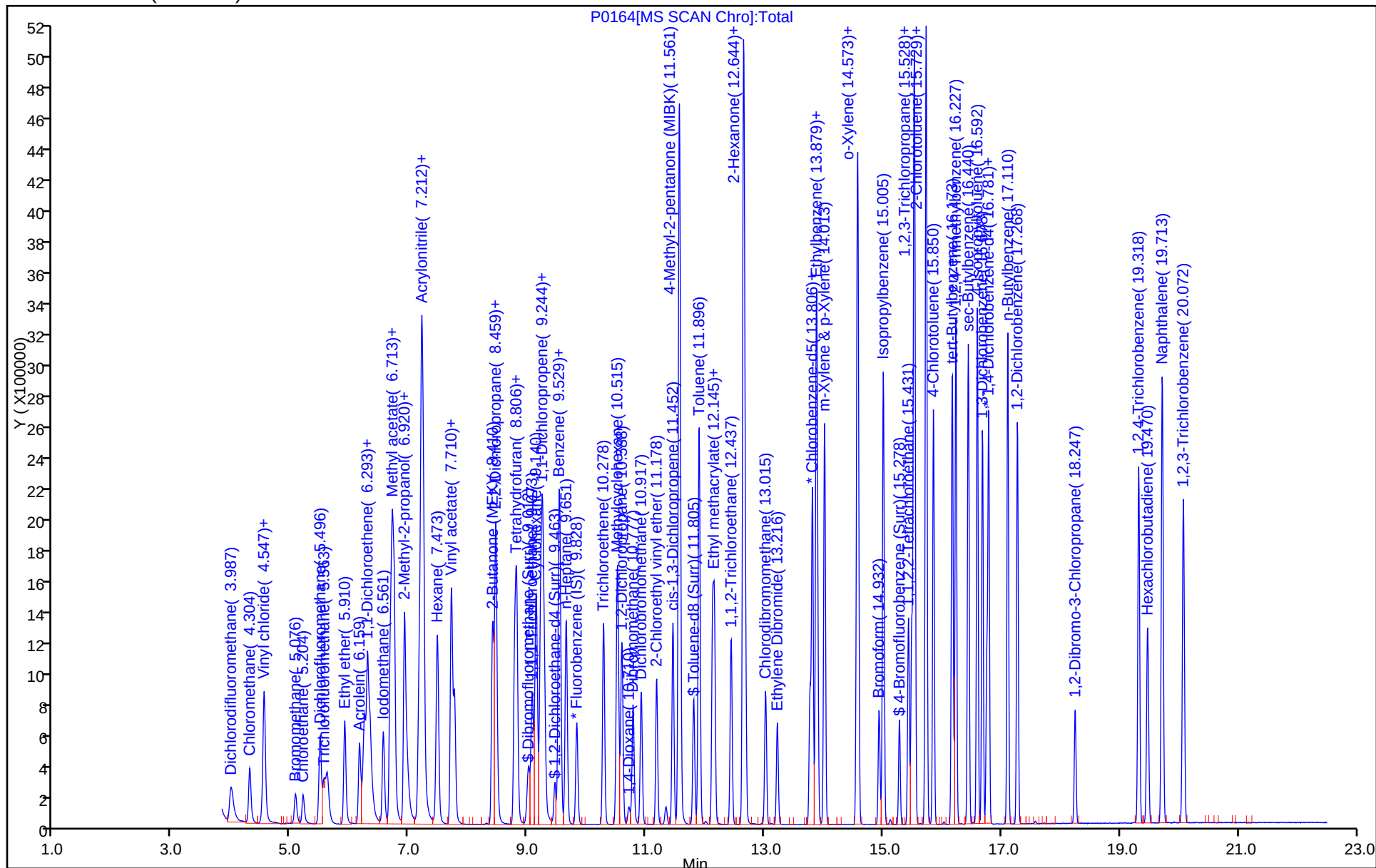
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

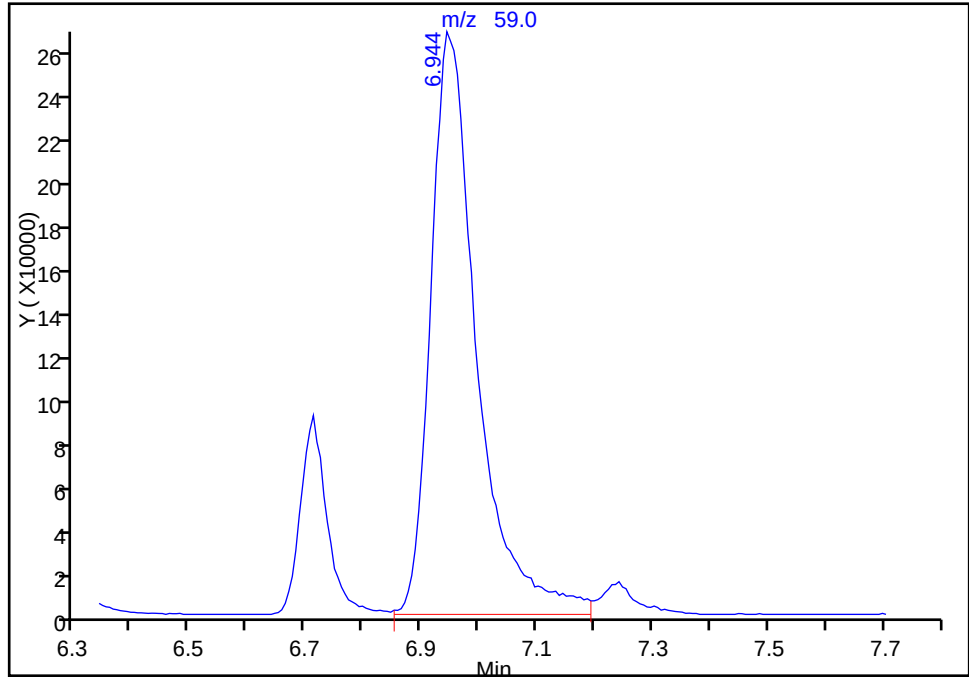
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Injection Date: 15-Sep-2016 17:17:30 Instrument ID: HP5973P
Lims ID: IC 6
Client ID:
Operator ID: CDC ALS Bottle#: 7 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

33 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

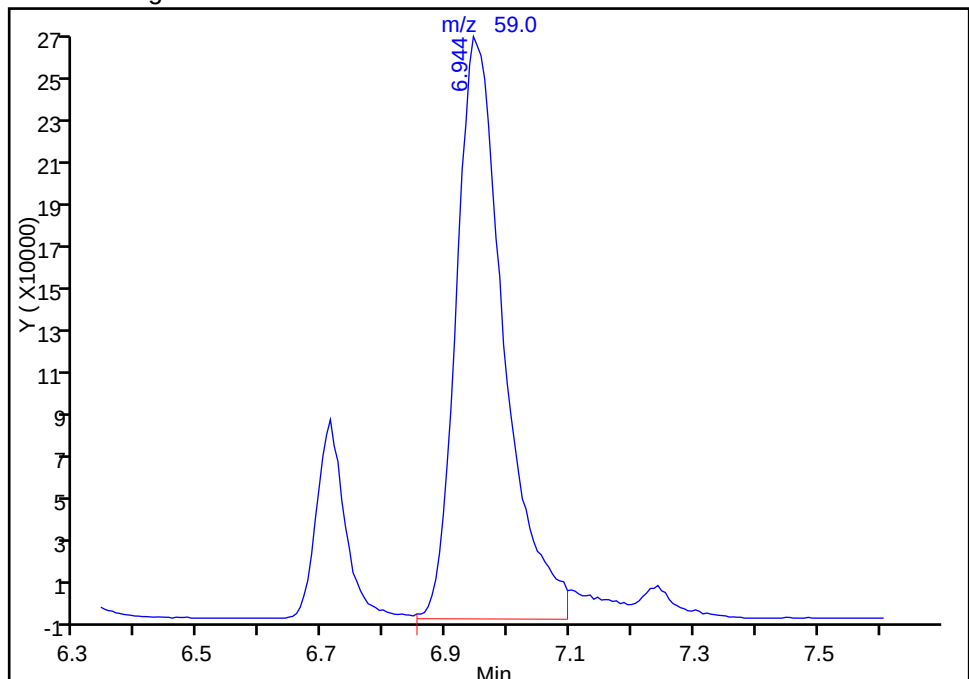
RT: 6.94
Area: 1477409
Amount: 529.1890
Amount Units: ug/L

Processing Integration Results



RT: 6.94
Area: 1429679
Amount: 497.4918
Amount Units: ug/L

Manual Integration Results



Reviewer: cwiklinc, 16-Sep-2016 13:02:27

Audit Action: Manually Integrated

Audit Reason: Other

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0165.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 15-Sep-2016 17:44:30 ALS Bottle#: 8 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0056398-011
 Operator ID: CDC Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Sep-2016 14:07:10 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: gentilej

Date: 16-Sep-2016 10:32:15

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	9.827	9.827	0.000	98	160500	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	316878	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.756	-0.006	95	317030	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	193867	25.0	24.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	127555	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	11.805	11.798	0.007	93	709922	25.0	25.2	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	241722	25.0	25.1	
10 Dichlorodifluoromethane	85	3.993	3.987	0.006	99	1286953	100.0	96.3	
11 Chloromethane	50	4.304	4.297	0.007	99	1345244	100.0	96.2	
17 Vinyl chloride	62	4.529	4.516	0.013	98	976777	100.0	96.4	
144 Butadiene	54	4.553	4.541	0.012	93	1031619	100.0	94.1	
12 Bromomethane	94	5.082	5.070	0.012	92	431741	100.0	99.1	
13 Chloroethane	64	5.204	5.204	0.000	97	548566	100.0	101.5	
19 Dichlorofluoromethane	67	5.490	5.484	0.006	98	1629464	100.0	92.0	
14 Trichlorofluoromethane	101	5.605	5.599	0.006	98	1844175	100.0	98.5	
20 Ethyl ether	59	5.910	5.903	0.007	98	1196581	100.0	95.8	
22 Acrolein	56	6.153	6.159	-0.006	100	1594366	500.0	518.0	
16 1,1,2-Trichloro-1,2,2-trif	101	6.244	6.238	0.006	93	1117718	100.0	90.2	
25 1,1-Dichloroethene	96	6.293	6.293	0.000	94	994872	100.0	92.2	
24 Acetone	43	6.335	6.335	0.000	99	3016175	500.0	457.6	
18 Iodomethane	142	6.561	6.554	0.006	98	1977753	100.0	95.5	
27 Carbon disulfide	76	6.670	6.670	0.000	100	3292174	100.0	90.4	
30 Methyl acetate	43	6.707	6.706	0.000	100	7469251	500.0	432.1	
28 3-Chloro-1-propene	41	6.743	6.743	0.000	90	2206063	100.0	86.5	
31 Methylene Chloride	84	6.913	6.913	0.000	94	1070748	100.0	97.5	
33 2-Methyl-2-propanol	59	6.950	6.944	0.006	99	2726258	1000.0	931.4	M
32 Methyl tert-butyl ether	73	7.169	7.169	0.000	99	3331256	100.0	91.0	
34 Acrylonitrile	53	7.211	7.205	0.006	98	6839322	1000.0	832.7	
35 trans-1,2-Dichloroethene	96	7.236	7.236	0.000	93	970313	100.0	85.7	
36 Hexane	57	7.473	7.473	0.000	95	1865257	100.0	92.3	

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	7.710	7.704	0.006	97	6915373	200.0	185.0	
40 1,1-Dichloroethane	63	7.759	7.765	-0.006	96	2153238	100.0	90.2	
44 2-Butanone (MEK)	43	8.404	8.404	0.000	98	5384851	500.0	460.9	
45 2,2-Dichloropropane	77	8.459	8.458	0.001	93	1457733	100.0	88.9	
43 cis-1,2-Dichloroethene	96	8.459	8.458	0.001	86	1121389	100.0	90.4	
50 Chlorobromomethane	128	8.775	8.775	0.000	92	607313	100.0	94.8	
51 Tetrahydrofuran	42	8.799	8.799	0.000	94	1414196	200.0	174.8	
49 Chloroform	83	8.818	8.811	0.007	95	1732481	100.0	90.1	
52 1,1,1-Trichloroethane	97	9.073	9.073	0.000	98	1665180	100.0	96.2	
54 Cyclohexane	56	9.140	9.140	0.000	92	2460430	100.0	91.3	
53 Isobutyl alcohol	43	9.219	9.219	0.000	97	3140071	2500.0	2390.2	
56 1,1-Dichloropropene	75	9.243	9.243	0.000	91	1327666	100.0	87.9	
55 Carbon tetrachloride	117	9.274	9.274	0.000	96	1517021	100.0	93.6	
57 Benzene	78	9.529	9.529	0.000	98	4008034	100.0	91.7	
60 1,2-Dichloroethane	62	9.554	9.547	0.007	96	1642673	100.0	90.8	
59 n-Heptane	43	9.651	9.645	0.006	98	1798158	100.0	84.3	
62 Trichloroethene	95	10.278	10.277	0.001	95	1122711	100.0	94.9	
64 Methylcyclohexane	83	10.515	10.509	0.006	98	1784816	100.0	92.2	
63 1,2-Dichloropropane	63	10.588	10.588	0.000	96	1218946	100.0	95.5	
68 1,4-Dioxane	88	10.703	10.715	-0.012	99	357997	2000.0	2069.9	
69 Dibromomethane	93	10.776	10.776	0.000	96	747958	100.0	95.7	
70 Dichlorobromomethane	83	10.916	10.916	0.000	97	1427981	100.0	101.8	
71 2-Chloroethyl vinyl ether	63	11.178	11.178	0.000	91	1013143	100.0	99.3	
73 cis-1,3-Dichloropropene	75	11.452	11.452	0.000	94	1797249	100.0	99.2	
75 4-Methyl-2-pentanone (MIBK)	43	11.561	11.561	0.000	98	8981923	500.0	400.0	
76 Toluene	92	11.896	11.890	0.006	98	2593435	100.0	93.6	
77 Ethyl methacrylate	69	12.121	12.121	0.000	95	1558515	100.0	96.0	
78 trans-1,3-Dichloropropene	75	12.151	12.151	0.000	98	1598119	100.0	97.1	
79 1,1,2-Trichloroethane	83	12.437	12.437	0.000	93	834094	100.0	96.9	
80 Tetrachloroethene	166	12.638	12.638	0.000	95	1028960	100.0	86.1	
83 2-Hexanone	43	12.644	12.644	0.000	98	6041070	500.0	391.4	
82 1,3-Dichloropropane	76	12.675	12.674	0.000	99	1435348	100.0	85.7	
81 Chlorodibromomethane	129	13.015	13.015	0.000	90	1256560	100.0	106.9	
85 Ethylene Dibromide	107	13.216	13.216	0.000	99	1178336	100.0	99.4	
87 Chlorobenzene	112	13.806	13.806	0.000	94	2910017	100.0	94.2	
89 Ethylbenzene	91	13.873	13.873	0.000	98	4462216	100.0	88.9	
88 1,1,1,2-Tetrachloroethane	131	13.891	13.891	0.000	96	1070301	100.0	92.4	
90 m-Xylene & p-Xylene	106	14.013	14.013	0.000	0	1957688	100.0	91.2	
93 o-Xylene	106	14.560	14.560	0.000	97	1885601	100.0	88.6	
94 Styrene	104	14.579	14.579	0.000	95	3023135	100.0	89.7	
92 Bromoform	173	14.932	14.931	0.001	96	891096	100.0	113.0	
95 Isopropylbenzene	105	15.005	15.004	0.000	96	4912809	100.0	96.3	
97 1,1,2,2-Tetrachloroethane	83	15.430	15.430	0.000	95	1593538	100.0	103.6	
98 trans-1,4-Dichloro-2-buten	53	15.485	15.485	0.000	94	700111	100.0	101.8	M
100 Bromobenzene	156	15.522	15.522	0.000	93	1134597	100.0	90.3	
101 1,2,3-Trichloropropane	110	15.522	15.522	0.000	76	415605	100.0	87.8	
99 N-Propylbenzene	91	15.540	15.534	0.006	98	4954182	100.0	86.7	
103 2-Chlorotoluene	126	15.722	15.722	0.000	96	1099294	100.0	89.3	
102 1,3,5-Trimethylbenzene	105	15.728	15.728	0.000	95	3835275	100.0	91.1	
105 4-Chlorotoluene	126	15.850	15.850	0.000	98	1247938	100.0	96.8	
106 tert-Butylbenzene	134	16.173	16.172	0.001	94	945588	100.0	98.2	
107 1,2,4-Trimethylbenzene	105	16.233	16.233	0.000	96	4258254	100.0	95.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.440	16.440	0.000	94	5310384	100.0	96.3	
112 4-Isopropyltoluene	119	16.592	16.592	0.000	97	4644201	100.0	95.8	
110 1,3-Dichlorobenzene	146	16.677	16.677	0.000	99	2461460	100.0	94.9	
111 1,4-Dichlorobenzene	146	16.787	16.787	0.000	94	2467700	100.0	95.2	
115 n-Butylbenzene	91	17.109	17.109	0.000	97	4060910	100.0	97.2	
116 1,2-Dichlorobenzene	146	17.274	17.267	0.007	98	2537224	100.0	97.4	
117 1,2-Dibromo-3-Chloropropan	75	18.241	18.241	0.000	84	455600	100.0	110.3	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	95	1928718	100.0	99.3	
120 Hexachlorobutadiene	225	19.470	19.470	0.000	98	739579	100.0	101.6	
121 Naphthalene	128	19.719	19.713	0.006	97	6396745	100.0	98.6	
122 1,2,3-Trichlorobenzene	180	20.072	20.072	0.000	97	1907403	100.0	98.7	
S 123 1,2-Dichloroethene, Total	1				0			176.2	
S 124 1,3-Dichloropropene, Total	1				0			196.3	
S 125 Total BTEX	1				0			454.0	
S 126 Xylenes, Total	1				0			179.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00082

Amount Added: 50.00

Units: uL

GAS CORP mix_00178

Amount Added: 50.00

Units: uL

P 8260 IS_00166

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00195

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20160915-56398.b\\P0165.D

Injection Date: 15-Sep-2016 17:44:30

Instrument ID: HP5973P

Operator ID: CDC

Lims ID: IC 7

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

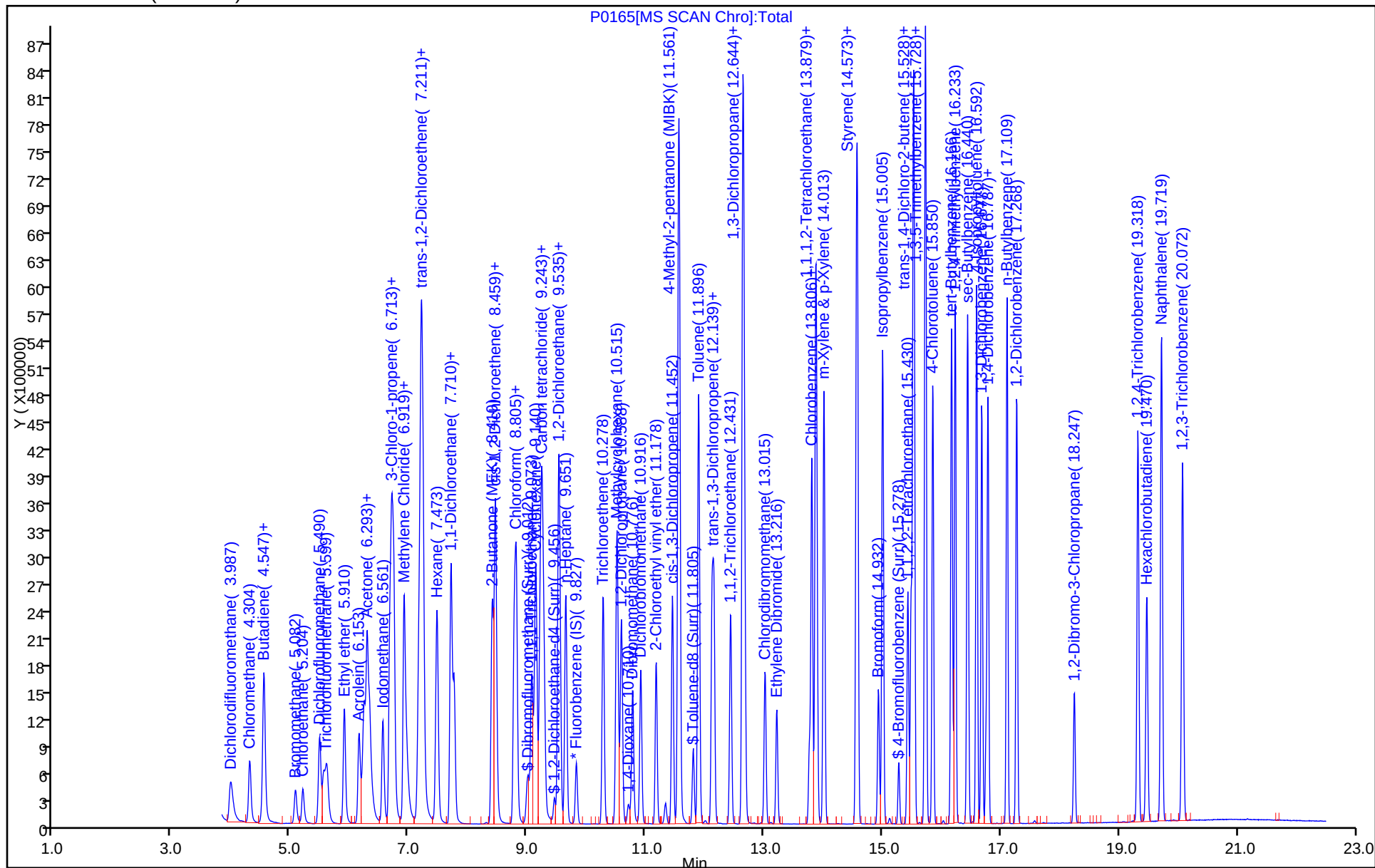
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

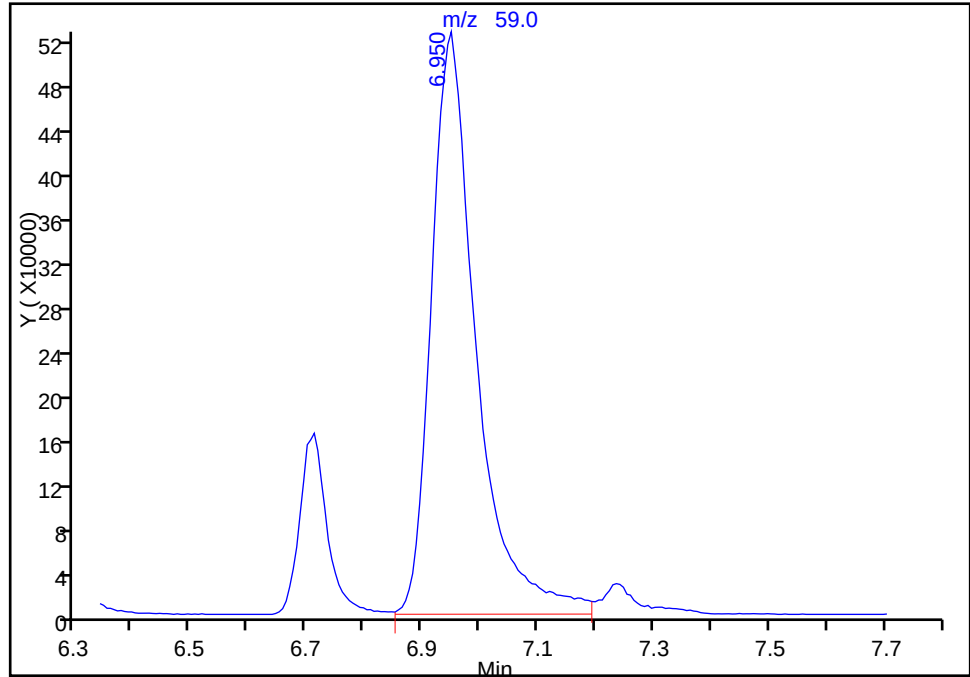
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Injection Date: 15-Sep-2016 17:44:30 Instrument ID: HP5973P
Lims ID: IC 7
Client ID:
Operator ID: CDC ALS Bottle#: 8 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

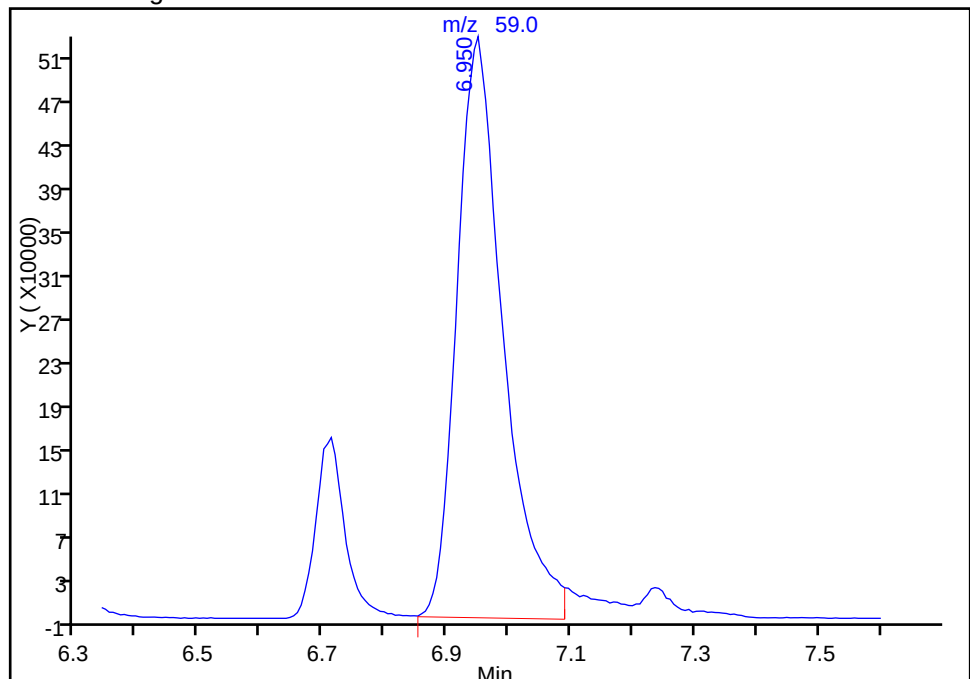
RT: 6.95
Area: 2835112
Amount: 991.5779
Amount Units: ug/L

Processing Integration Results



RT: 6.95
Area: 2726258
Amount: 931.3852
Amount Units: ug/L

Manual Integration Results



TestAmerica Buffalo

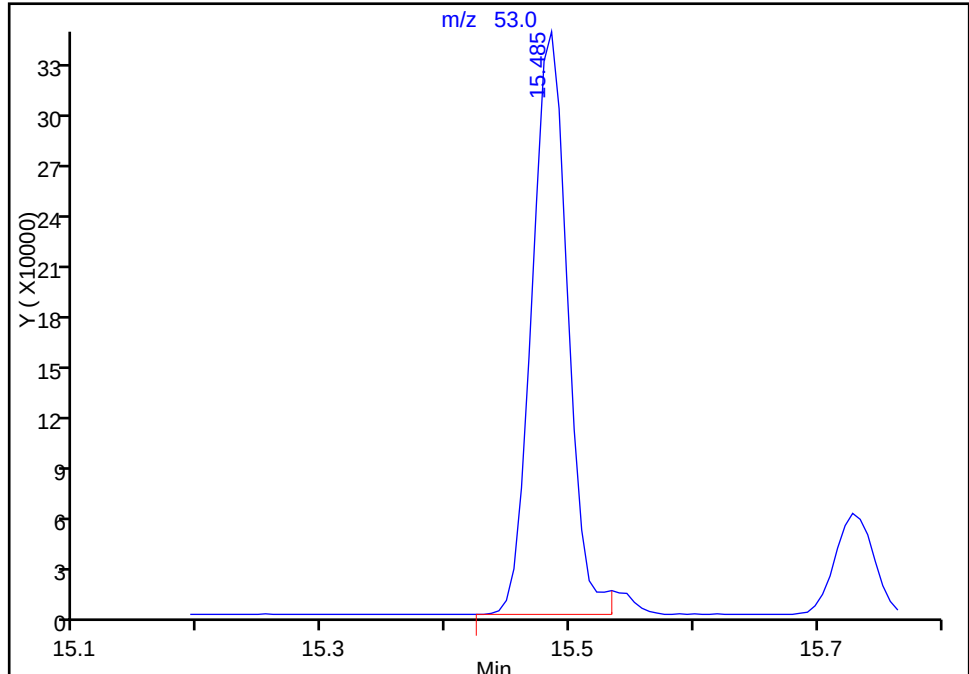
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Injection Date: 15-Sep-2016 17:44:30 Instrument ID: HP5973P
Lims ID: IC 7
Client ID:
Operator ID: CDC ALS Bottle#: 8 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

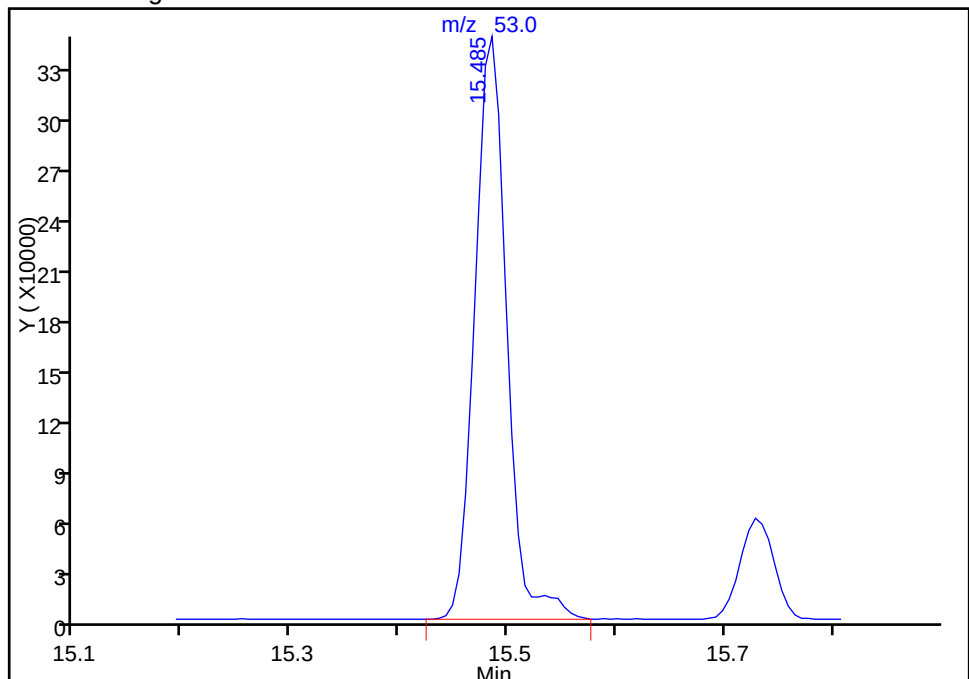
RT: 15.49
Area: 686281
Amount: 100.0827
Amount Units: ug/L

Processing Integration Results



RT: 15.49
Area: 700111
Amount: 101.8063
Amount Units: ug/L

Manual Integration Results



Reviewer: cwklinc, 16-Sep-2016 13:13:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1 Analy Batch No.: 320502

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 18:38 Calibration End Date: 09/15/2016 21:21 Calibration ID: 28334

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320502/13	P0167.D
Level 2	IC 480-320502/14	P0168.D
Level 3	IC 480-320502/15	P0169.D
Level 4	IC 480-320502/16	P0170.D
Level 5	IC 480-320502/17	P0171.D
Level 6	IC 480-320502/18	P0172.D
Level 7	IC 480-320502/19	P0173.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	2.9797 2.6125	2.7059 2.6276	2.7032	2.5600	2.6880	Ave		2.6967				5.0		20.0			
Ethanol	0.0540 0.0500	0.0365 0.0511	0.0468	0.0511	0.0510	Ave		0.0486				11.8		20.0			
Isopropyl alcohol	0.3822 0.3190	0.3093 0.3204	0.2675	0.2856	0.3174	Ave		0.3145				11.4		20.0			
Acetonitrile	0.3380 0.2612	0.2038 0.2613	0.2575	0.2448	0.2608	Ave		0.2611				15.2		20.0			
Isopropyl ether	8.7975 7.9208	8.2082 7.7201	7.9579	7.9709	8.1147	Ave		8.0986				4.3		20.0			
1,1-Dimethoxyethane	0.6486 0.5691	0.5434 0.5566	0.5515	0.5776	0.5818	Ave		0.5755				6.1		20.0			
Chloroprene	4.1712 3.4095	3.6802 3.2633	3.5658	3.4757	3.5121	Ave		3.5826				8.1		20.0			
Tert-butyl ethyl ether	7.9555 6.8364	6.9496 6.6432	6.8030	6.9810	6.9525	Ave		7.0173				6.1		20.0			
Ethyl acetate	3.6569 3.3768	3.6239 3.3989	3.3578	3.3975	3.4484	Ave		3.4657				3.5		20.0			
Propionitrile	0.6074 0.5024	0.4974 0.5034	0.4846	0.5130	0.5200	Ave		0.5183				7.9		20.0			
Methacrylonitrile	2.3163 1.7015	2.0373 1.4361	1.9729	1.9506	1.8828	Ave		1.8997				14.5		20.0			
t-Amyl alcohol	0.4692 0.4035	0.4024 0.4081	0.3830	0.3867	0.4054	Ave		0.4083				7.0		15.0			
Isooctane	7.8880 6.1561	6.8259 5.8443	6.4432	6.3638	6.4527	Ave		6.5677				10.0		20.0			
Tert-amyl methyl ether	6.1184 5.3492	5.4472 5.1645	5.4256	5.4784	5.3796	Ave		5.4804				5.5		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.: 480-106799-1 Analy Batch No.: 320502
SDG No.: _____
Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/15/2016 18:38 Calibration End Date: 09/15/2016 21:21 Calibration ID: 28334

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Difluorobenzene	5.8181 5.2057	5.3265 5.1543	5.1943	5.2219	5.3616	Ave		5.3261				4.3		20.0			
n-Butanol	0.1282 0.1293	0.1123 0.1294	0.1123	0.1209	0.1265	Ave		0.1227				6.2		20.0			
Ethyl acrylate	3.9269 3.8069	3.6044 3.8425	3.6265	3.7631	3.8265	Ave		3.7710				3.1		20.0			
Methyl methacrylate	2.9276 2.5591	2.8716 2.4787	2.5873	2.6269	2.6695	Ave		2.6744				6.2		20.0			
2-Nitropropane	0.6154 0.5116	0.4985 0.5199	0.4493	0.4603	0.4996	Ave		0.5078				10.7		20.0			
Epichlorohydrin	0.4334 0.3561	0.3394 0.3548	0.3423	0.3543	0.3626	Ave		0.3633				8.8		20.0			
n-Butyl acetate	2.9847 2.6703	2.6216 2.5860	2.4545	2.5395	2.5810	Ave		2.6339			0.1000	6.4		20.0			
3-Chlorobenzotrifluoride	1.4877 1.2122	1.2866 1.1627	1.2212	1.2301	1.2479	Ave		1.2641				8.3		20.0			
1-Chlorohexane	1.3338 0.9914	1.1089 0.9012	1.0117	0.9796	1.0058	Ave		1.0475				13.4		20.0			
4-Chlorobenzotrifluoride	1.3240 1.1267	1.2257 1.0643	1.1489	1.1392	1.1455	Ave		1.1678				7.1		20.0			
2-Chlorobenzotrifluoride	1.4621 1.2938	1.2379 1.2427	1.2946	1.2718	1.2942	Ave		1.2996				5.8		20.0			
Cyclohexanone	++++ 0.0687	0.0608 0.0687	0.0593	0.0665	0.0675	Ave		0.0653				6.4		20.0			
3-Chlorotoluene	1.1636 1.0193	1.0301 0.9742	1.0252	1.0175	1.0389	Ave		1.0384				5.7		20.0			
Pentachloroethane	0.4629 0.4665	0.4087 0.4685	0.4230	0.4320	0.4744	Ave		0.4480				5.8		20.0			
1,2,3-Trimethylbenzene	4.0532 3.5926	3.8017 3.2673	3.6357	3.6737	3.6880	Ave		3.6732				6.4		20.0			
Dicyclopentadiene	3.7849 3.2837	3.2817 2.9812	3.3568	3.3121	3.3791	Ave		3.3399				7.1		20.0			
Benzyl chloride	0.4535 0.5271	0.4702 0.5091	0.4749	0.5041	0.5232	Ave		0.4946				5.7		20.0			
1,3,5-Trichlorobenzene	1.7157 1.5228	1.5468 1.4498	1.4896	1.5039	1.5318	Ave		1.5372				5.5		20.0			
2-Methylnaphthalene	3.4969 3.4288	2.9501 3.3034	3.0730	3.2778	3.4432	Ave		3.2819				6.2		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1 Analy Batch No.: 320502

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 18:38 Calibration End Date: 09/15/2016 21:21 Calibration ID: 28334

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320502/13	P0167.D
Level 2	IC 480-320502/14	P0168.D
Level 3	IC 480-320502/15	P0169.D
Level 4	IC 480-320502/16	P0170.D
Level 5	IC 480-320502/17	P0171.D
Level 6	IC 480-320502/18	P0172.D
Level 7	IC 480-320502/19	P0173.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
Chlorodifluoromethane	FB	Ave	9318 837909	17056 1630061	85134	158810	421453	0.500 50.0	1.00 100	5.00	10.0	25.0
Ethanol	FB	Ave	6756 641417	9205 1268078	58974	126779	319820	20.0 2000	40.0 4000	200	400	1000
Isopropyl alcohol	FB	Ave	11951 1023057	19493 1987474	84233	177184	497725	5.00 500	10.0 1000	50.0	100	250
Acetonitrile	FB	Ave	10569 837811	12843 1620833	81095	151876	408958	5.00 500	10.0 1000	50.0	100	250
Isopropyl ether	FB	Ave	27511 2540466	51738 4789274	250627	494473	1272330	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1-Dimethoxyethane	FB	Ave	10142 912621	17126 1726432	86850	179145	456143	2.50 250	5.00 500	25.0	50.0	125
Chloroprene	FB	Ave	13044 1093549	23197 2024469	112302	215616	550673	0.500 50.0	1.00 100	5.00	10.0	25.0
Tert-butyl ethyl ether	FB	Ave	24878 2192665	43805 4121214	214253	433063	1090106	0.500 50.0	1.00 100	5.00	10.0	25.0
Ethyl acetate	FB	Ave	22871 2166115	45684 4217116	211503	421522	1081365	1.00 100	2.00 200	10.0	20.0	50.0
Propionitrile	FB	Ave	18994 1611410	31352 3122800	152631	318211	815255	5.00 500	10.0 1000	50.0	100	250
Methacrylonitrile	FB	Ave	72434 5457287	128414 8909382	621348	1210045	2952134	5.00 500	10.0 1000	50.0	100	250
t-Amyl alcohol	FB	Ave	14673 1294279	25365 2531952	120637	239871	635656	5.00 500	10.0 1000	50.0	100	250
Isooctane	FB	Ave	24667 1974472	43025 3625589	202921	394779	1011744	0.500 50.0	1.00 100	5.00	10.0	25.0
Tert-amyl methyl ether	FB	Ave	19133 1715656	34335 3203911	170873	339851	843489	0.500 50.0	1.00 100	5.00	10.0	25.0
1,4-Difluorobenzene	FB	Ave	18194 1669657	33574 3197558	163589	323940	840665	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.: 480-106799-1 Analy Batch No.: 320502

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 18:38 Calibration End Date: 09/15/2016 21:21 Calibration ID: 28334

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	Ave	10023 1036574	17694 2007324	88449	187558	496037	12.5 1250	25.0 2500	125	250	625
Ethyl acrylate	FB	Ave	12280 1221014	22719 2383767	114213	233442	599965	0.500 50.0	1.00 100	5.00	10.0	25.0
Methyl methacrylate	FB	Ave	18310 1641558	36201 3075370	162972	325923	837123	1.00 100	2.00 200	10.0	20.0	50.0
2-Nitropropane	DCBd 4	Ave	8316 681858	13310 1359925	59941	121542	332435	1.00 100	2.00 200	10.0	20.0	50.0
Epichlorohydrin	FB	Ave	13552 1142219	21393 2201314	107814	219816	568565	5.00 500	10.0 1000	50.0	100	250
n-Butyl acetate	CBNZ d5	Ave	18305 1639692	32905 3153980	151227	315579	800609	0.500 50.0	1.00 100	5.00	10.0	25.0
3-Chlorobenzotrifluoride	DCBd 4	Ave	10052 807868	17178 1520662	81459	162394	415136	0.500 50.0	1.00 100	5.00	10.0	25.0
1-Chlorohexane	CBNZ d5	Ave	8180 608782	13918 1099123	62331	121738	311981	0.500 50.0	1.00 100	5.00	10.0	25.0
4-Chlorobenzotrifluoride	DCBd 4	Ave	8946 750897	16364 1391885	76636	150398	381088	0.500 50.0	1.00 100	5.00	10.0	25.0
2-Chlorobenzotrifluoride	DCBd 4	Ave	9879 862233	16528 1625315	86356	167907	430555	0.500 50.0	1.00 100	5.00	10.0	25.0
Cyclohexanone	DCBd 4	Ave	++++ 457770	8116 899023	39538	87835	224543	++++ 500	10.0 1000	50.0	100	250
3-Chlorotoluene	DCBd 4	Ave	7862 679295	13753 1274150	68384	134327	345618	0.500 50.0	1.00 100	5.00	10.0	25.0
Pentachloroethane	DCBd 4	Ave	3128 310898	5457 612786	28215	57032	157836	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	27387 2394313	50758 4273155	242509	485006	1226919	0.500 50.0	1.00 100	5.00	10.0	25.0
Dicyclopentadiene	DCBd 4	Ave	25574 2188404	43815 3898899	223907	437265	1124162	0.500 50.0	1.00 100	5.00	10.0	25.0
Benzyl chloride	DCBd 4	Ave	3064 351253	6278 665852	31678	66548	174070	0.500 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	11593 1014843	20652 1896107	99362	198551	509600	0.500 50.0	1.00 100	5.00	10.0	25.0
2-Methylnaphthalene	DCBd 4	Ave	23628 2285121	39387 4320281	204976	432736	1145492	0.500 50.0	1.00 100	5.00	10.0	25.0

Curve Type Legend:

Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0167.D
 Lims ID: IC A1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 15-Sep-2016 18:38:30 ALS Bottle#: 10 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC A1
 Misc. Info.: 480-0056398-013
 Operator ID: CDC Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub28
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Sep-2016 14:07:26 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: cwiklinc

Date: 16-Sep-2016 13:14:02

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	9.821	9.827	-0.006	98	156357	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	306651	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.756	-0.006	97	337841	25.0	25.0	
15 Chlorodifluoromethane	51	3.999	4.017	-0.018	91	9318	0.5000	0.5525	
141 Ethanol	45	5.806	5.794	0.012	39	6756	20.0	22.2	
26 Propene oxide	58	6.055	6.062	-0.007	95	12042	NC	NC	
23 Isopropyl alcohol	45	6.445	6.445	0.000	42	11951	5.00	6.08	
29 Acetonitrile	40	6.773	6.737	0.036	64	10569	5.00	6.47	
37 Isopropyl ether	45	7.680	7.692	-0.012	98	27511	0.5000	0.5432	
39 1,1-Dimethoxyethane	75	7.783	7.789	-0.006	99	10142	2.50	2.82	
41 2-Chloro-1,3-butadiene	53	7.856	7.856	0.000	93	13044	0.5000	0.5822	
42 Tert-butyl ethyl ether	59	8.124	8.130	-0.006	99	24878	0.5000	0.5668	
46 Ethyl acetate	43	8.398	8.398	0.000	98	22871	1.00	1.06	
47 Propionitrile	54	8.544	8.538	0.006	98	18994	5.00	5.86	M
48 Methacrylonitrile	41	8.696	8.702	-0.006	97	72434	5.00	6.10	
140 t-Amyl alcohol	59	9.365	9.359	0.006	91	14673	5.00	5.75	
146 Isooctane	57	9.474	9.487	-0.013	97	24667	0.5000	0.6005	
58 Tert-amyl methyl ether	73	9.523	9.529	-0.006	97	19133	0.5000	0.5582	
1 1,4-Difluorobenzene	114	9.894	9.900	-0.006	91	18194	0.5000	0.5462	
61 n-Butanol	56	10.022	10.010	0.012	94	10023	12.5	13.1	
145 Ethyl acrylate	55	10.253	10.253	0.000	96	12280	0.5000	0.5207	
65 Methyl methacrylate	41	10.563	10.551	0.012	94	18310	1.00	1.09	
72 2-Nitropropane	43	11.184	11.184	0.000	94	8316	1.00	1.21	
74 Epichlorohydrin	57	11.348	11.342	0.006	98	13552	5.00	5.96	
149 n-Butyl acetate	43	12.741	12.735	0.006	99	18305	0.5000	0.5666	
84 3-Chlorobenzotrifluoride	180	13.605	13.611	-0.006	90	10052	0.5000	0.5885	
139 1-Chlorohexane	55	13.630	13.630	0.000	87	8180	0.5000	0.6367	
86 4-Chlorobenzotrifluoride	180	13.678	13.684	-0.006	95	8946	0.5000	0.5669	
91 2-Chlorobenzotrifluoride	180	14.864	14.864	0.000	95	9879	0.5000	0.5625	
96 Cyclohexanone	55	15.248	15.248	0.000	87	6506	5.00	7.38	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
104 3-Chlorotoluene	126	15.795	15.789	0.006	96	7862	0.5000	0.5603	
108 Pentachloroethane	167	16.276	16.282	-0.006	85	3128	0.5000	0.5167	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	95	27387	0.5000	0.5517	
114 Dicyclopentadiene	66	16.805	16.811	-0.006	94	25574	0.5000	0.5666	
143 Benzyl chloride	126	16.939	16.939	0.000	99	3064	0.5000	0.4584	
118 1,3,5-Trichlorobenzene	180	18.466	18.460	0.006	95	11593	0.5000	0.5581	
142 2-Methylnaphthalene	142	21.526	21.532	-0.006	94	23628	0.5000	0.5328	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00166

Amount Added: 1.25

Units: uL

ADD CORP mix_00050

Amount Added: 0.50

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\PO167.D

Injection Date: 15-Sep-2016 18:38:30

Instrument ID: HP5973P

Operator ID: CDC

Lims ID: IC A1

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

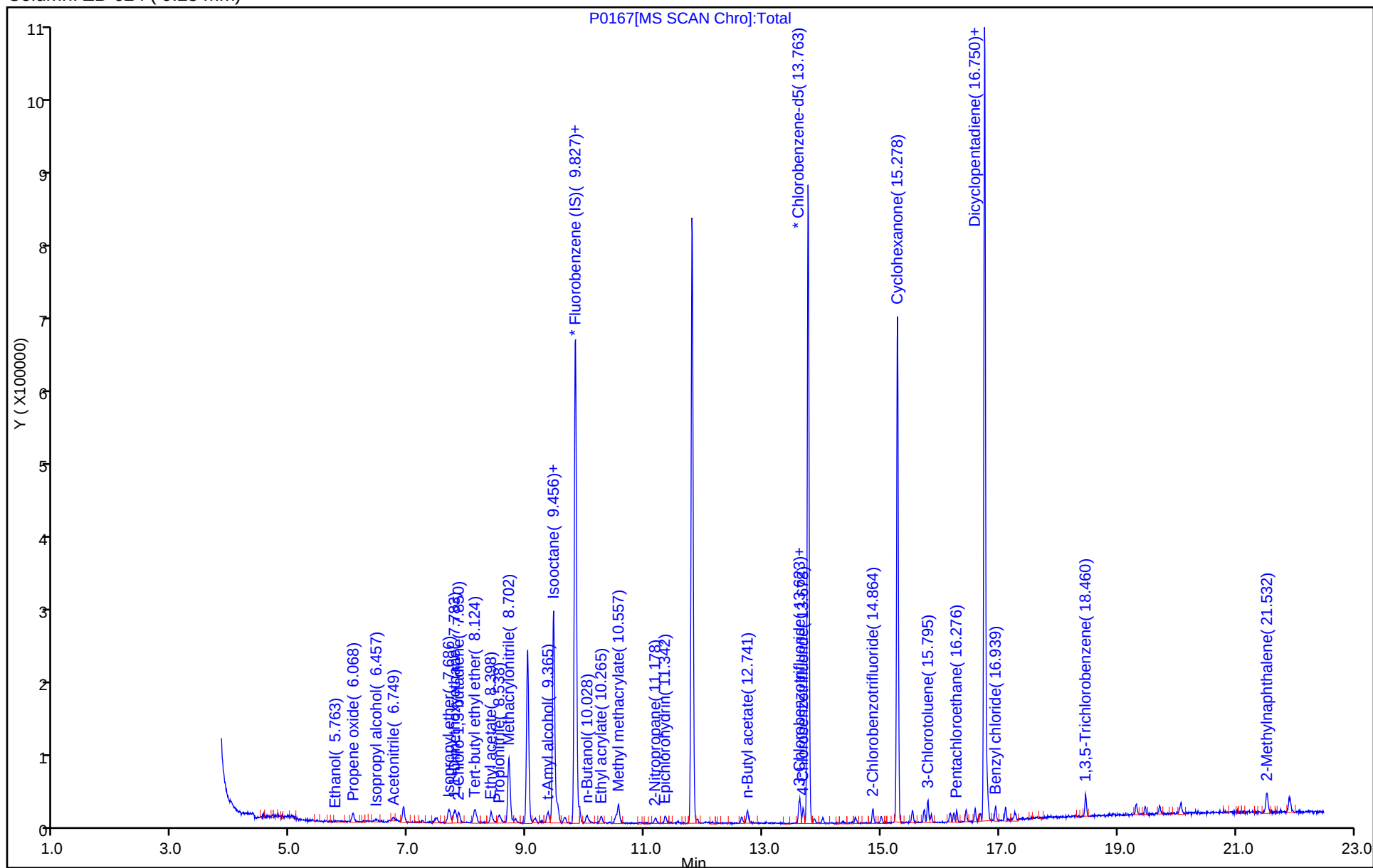
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\PO167.D

Injection Date: 15-Sep-2016 18:38:30

Instrument ID: HP5973P

Lims ID: IC A1

Client ID:

Operator ID: CDC

ALS Bottle#: 10

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

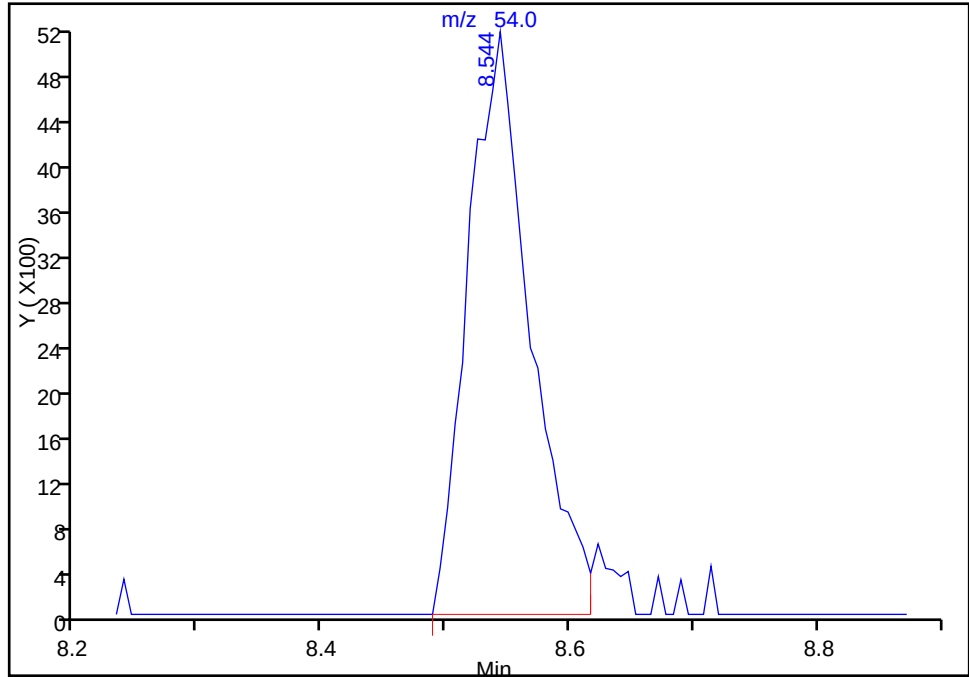
Detector: MS SCAN

47 Propionitrile, CAS: 107-12-0

Signal: 1

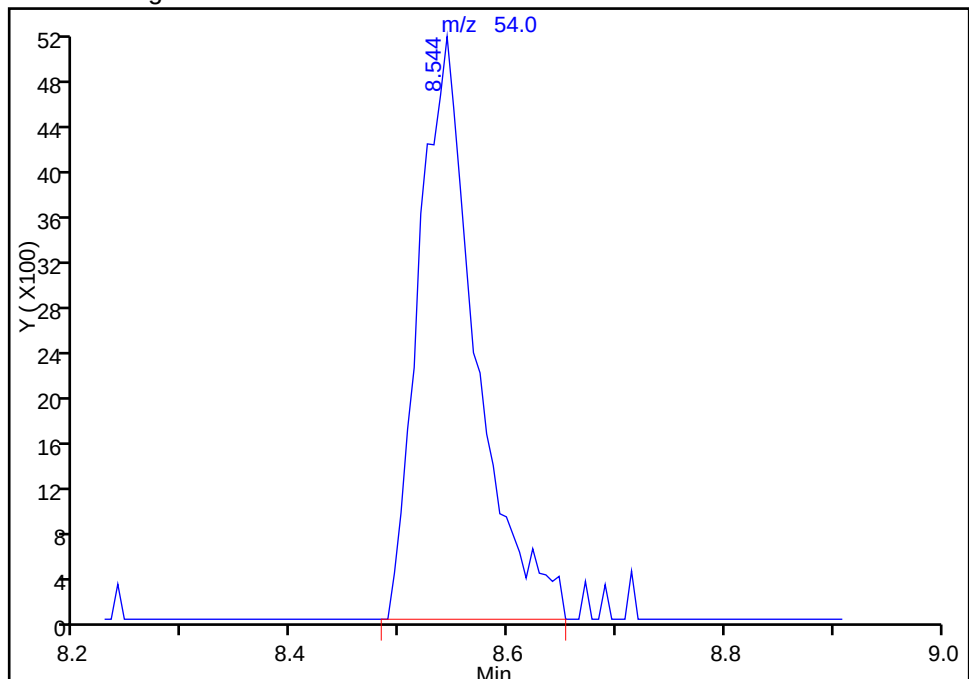
RT: 8.54
Area: 18209
Amount: 5.631964
Amount Units: ug/L

Processing Integration Results



RT: 8.54
Area: 18994
Amount: 5.859417
Amount Units: ug/L

Manual Integration Results



Reviewer: cwiklinc, 16-Sep-2016 13:19:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0168.D
 Lims ID: IC A2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 15-Sep-2016 19:05:30 ALS Bottle#: 11 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC A2
 Misc. Info.: 480-0056398-014
 Operator ID: CDC Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub28
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Sep-2016 14:07:36 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: gentilej

Date: 16-Sep-2016 10:46:44

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	9.827	9.827	0.000	98	157580	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.763	0.001	87	313785	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.756	-0.005	96	333782	25.0	25.0	
15 Chlorodifluoromethane	51	4.012	4.017	-0.005	97	17056	1.00	1.00	
141 Ethanol	45	5.800	5.794	0.006	85	9205	40.0	30.0	
26 Propene oxide	58	6.062	6.062	0.000	95	23418	NC	NC	
23 Isopropyl alcohol	45	6.451	6.445	0.006	79	19493	10.0	9.83	
29 Acetonitrile	40	6.749	6.737	0.012	96	12843	10.0	7.81	
37 Isopropyl ether	45	7.692	7.692	0.000	96	51738	1.00	1.01	
39 1,1-Dimethoxyethane	75	7.789	7.789	0.000	98	17126	5.00	4.72	
41 2-Chloro-1,3-butadiene	53	7.850	7.856	-0.006	95	23197	1.00	1.03	
42 Tert-butyl ethyl ether	59	8.130	8.130	0.000	98	43805	1.00	0.99	
46 Ethyl acetate	43	8.398	8.398	0.000	99	45684	2.00	2.09	
47 Propionitrile	54	8.544	8.538	0.006	98	31352	10.0	9.60	M
48 Methacrylonitrile	41	8.702	8.702	0.000	98	128414	10.0	10.7	
140 t-Amyl alcohol	59	9.359	9.359	0.000	95	25365	10.0	9.85	
146 Isooctane	57	9.475	9.487	-0.012	92	43025	1.00	1.04	
58 Tert-amyl methyl ether	73	9.523	9.529	-0.006	92	34335	1.00	0.99	
1 1,4-Difluorobenzene	114	9.900	9.900	0.000	94	33574	1.00	1.00	
61 n-Butanol	56	10.016	10.010	0.006	89	17694	25.0	22.9	
145 Ethyl acrylate	55	10.259	10.253	0.006	99	22719	1.00	0.9558	
65 Methyl methacrylate	41	10.557	10.551	0.006	94	36201	2.00	2.15	
72 2-Nitropropane	43	11.184	11.184	0.000	93	13310	2.00	1.96	
74 Epichlorohydrin	57	11.348	11.342	0.006	98	21393	10.0	9.34	
149 n-Butyl acetate	43	12.735	12.735	0.000	98	32905	1.00	1.00	
84 3-Chlorobenzotrifluoride	180	13.611	13.611	0.000	92	17178	1.00	1.02	
139 1-Chlorohexane	55	13.624	13.630	-0.006	92	13918	1.00	1.06	
86 4-Chlorobenzotrifluoride	180	13.678	13.684	-0.006	95	16364	1.00	1.05	
91 2-Chlorobenzotrifluoride	180	14.865	14.864	0.001	93	16528	1.00	0.9525	
96 Cyclohexanone	55	15.248	15.248	0.000	94	8116	10.0	9.32	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
104 3-Chlorotoluene	126	15.789	15.789	0.000	97	13753	1.00	0.99	
108 Pentachloroethane	167	16.288	16.282	0.006	88	5457	1.00	0.9123	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	96	50758	1.00	1.03	
114 Dicyclopentadiene	66	16.811	16.811	0.000	95	43815	1.00	0.9826	
143 Benzyl chloride	126	16.939	16.939	0.000	99	6278	1.00	0.9507	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	96	20652	1.00	1.01	
142 2-Methylnaphthalene	142	21.526	21.532	-0.006	95	39387	1.00	0.8989	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ADD CORP mix_00050

Amount Added: 1.00

Units: uL

P 8260 IS_00166

Amount Added: 1.25

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\PO168.D

Injection Date: 15-Sep-2016 19:05:30

Instrument ID: HP5973P

Operator ID: CDC

Lims ID: IC A2

Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL

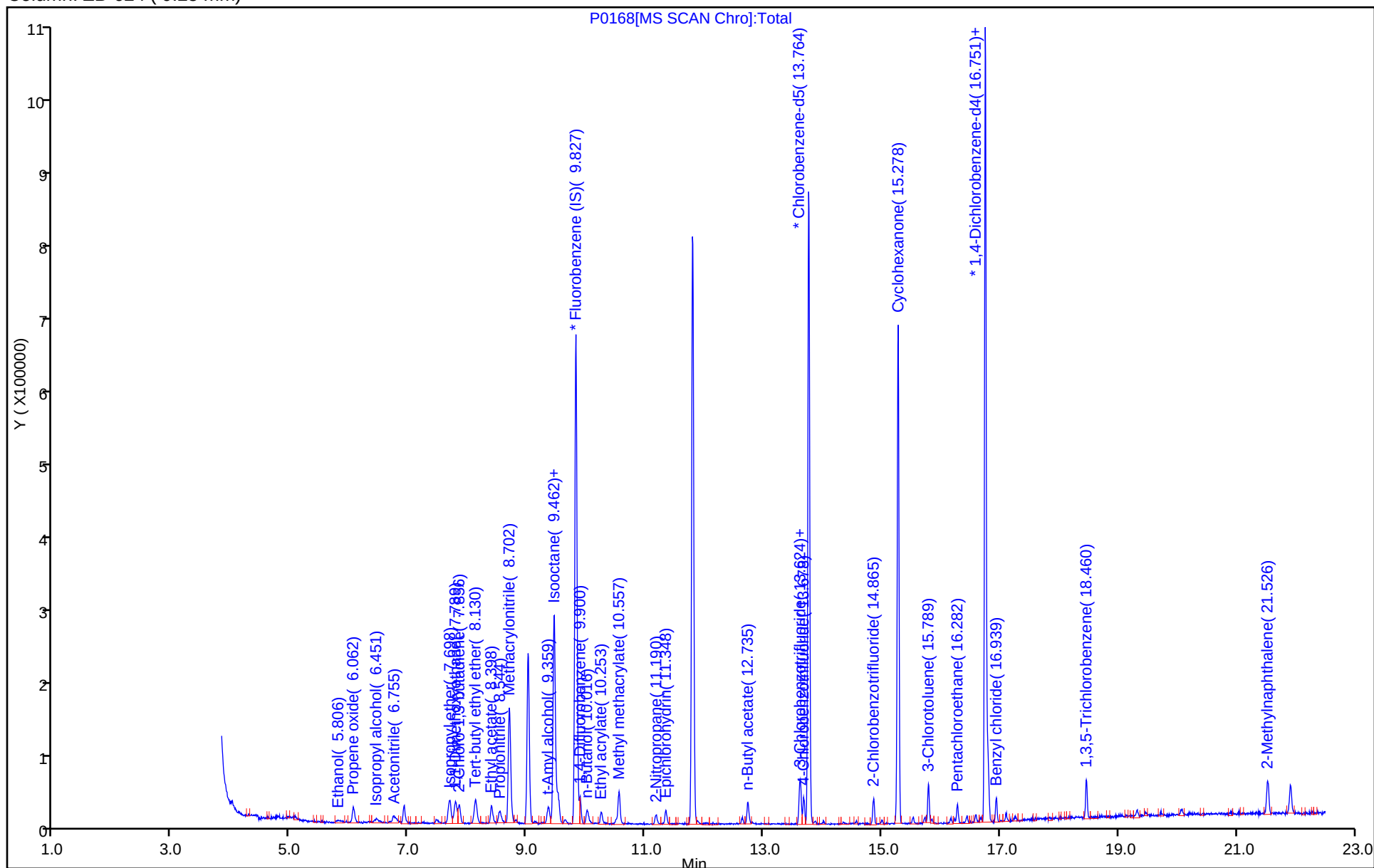
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

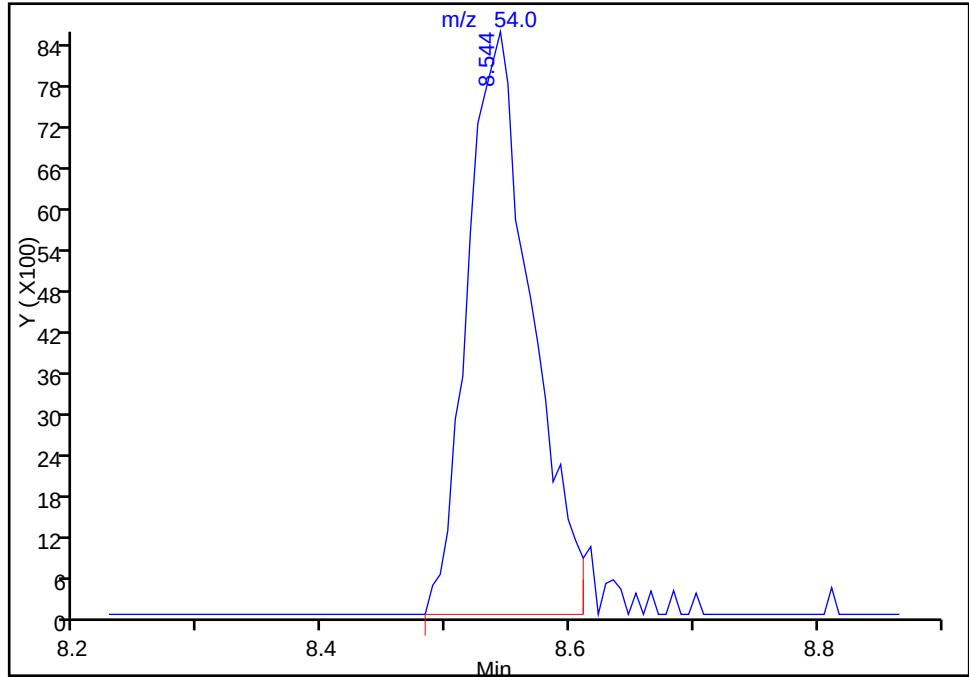
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\0168.D
Injection Date: 15-Sep-2016 19:05:30 Instrument ID: HP5973P
Lims ID: IC A2
Client ID:
Operator ID: CDC ALS Bottle#: 11 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

47 Propionitrile, CAS: 107-12-0

Signal: 1

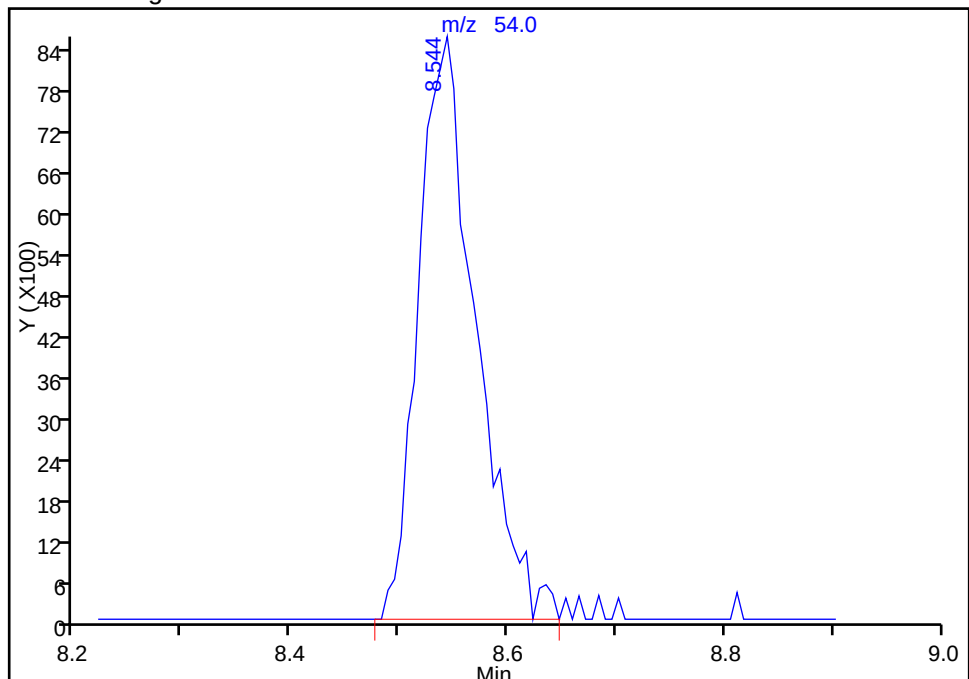
RT: 8.54
Area: 30505
Amount: 9.297340
Amount Units: ug/L

Processing Integration Results



RT: 8.54
Area: 31352
Amount: 9.596646
Amount Units: ug/L

Manual Integration Results



Reviewer: cwklinc, 16-Sep-2016 13:19:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 391 of 547

10/05/2016

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0169.D
 Lims ID: IC A3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 15-Sep-2016 19:32:30 ALS Bottle#: 12 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC A3
 Misc. Info.: 480-0056398-015
 Operator ID: CDC Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub28
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Sep-2016 14:07:44 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: gentilej

Date: 16-Sep-2016 10:44:39

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	9.827	9.827	0.000	98	157470	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	87	308059	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.757	16.756	0.000	95	333512	25.0	25.0	
15 Chlorodifluoromethane	51	4.011	4.017	-0.006	97	85134	5.00	5.01	
141 Ethanol	45	5.794	5.794	0.000	93	58974	200.0	192.5	
26 Propene oxide	58	6.062	6.062	0.000	96	113597	NC	NC	
23 Isopropyl alcohol	45	6.445	6.445	0.000	99	84233	50.0	42.5	
29 Acetonitrile	40	6.731	6.737	-0.006	100	81095	50.0	49.3	
37 Isopropyl ether	45	7.692	7.692	0.000	97	250627	5.00	4.91	
39 1,1-Dimethoxyethane	75	7.795	7.789	0.006	99	86850	25.0	24.0	
41 2-Chloro-1,3-butadiene	53	7.856	7.856	0.000	95	112302	5.00	4.98	
42 Tert-butyl ethyl ether	59	8.130	8.130	0.000	99	214253	5.00	4.85	
46 Ethyl acetate	43	8.398	8.398	0.000	99	211503	10.0	9.69	
47 Propionitrile	54	8.538	8.538	0.000	99	152631	50.0	46.8	M
48 Methacrylonitrile	41	8.702	8.702	0.000	97	621348	50.0	51.9	
140 t-Amyl alcohol	59	9.365	9.359	0.006	95	120637	50.0	46.9	
146 Isooctane	57	9.481	9.487	-0.006	96	202921	5.00	4.91	
58 Tert-amyl methyl ether	73	9.529	9.529	0.000	96	170873	5.00	4.95	
1 1,4-Difluorobenzene	114	9.894	9.900	-0.006	93	163589	5.00	4.88	
61 n-Butanol	56	10.016	10.010	0.006	93	88449	125.0	114.4	
145 Ethyl acrylate	55	10.253	10.253	0.000	99	114213	5.00	4.81	
65 Methyl methacrylate	41	10.557	10.551	0.006	93	162972	10.0	9.67	
72 2-Nitropropane	43	11.178	11.184	-0.006	97	59941	10.0	8.85	
74 Epichlorohydrin	57	11.348	11.342	0.006	99	107814	50.0	47.1	
149 n-Butyl acetate	43	12.735	12.735	0.000	98	151227	5.00	4.66	
84 3-Chlorobenzotrifluoride	180	13.611	13.611	0.000	92	81459	5.00	4.83	
139 1-Chlorohexane	55	13.630	13.630	0.000	92	62331	5.00	4.83	
86 4-Chlorobenzotrifluoride	180	13.684	13.684	0.000	96	76636	5.00	4.92	
91 2-Chlorobenzotrifluoride	180	14.865	14.864	0.001	98	86356	5.00	4.98	
96 Cyclohexanone	55	15.248	15.248	0.000	95	39538	50.0	45.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
104 3-Chlorotoluene	126	15.789	15.789	0.000	97	68384	5.00	4.94	
108 Pentachloroethane	167	16.282	16.282	0.000	89	28215	5.00	4.72	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	98	242509	5.00	4.95	
114 Dicyclopentadiene	66	16.811	16.811	0.000	96	223907	5.00	5.03	
143 Benzyl chloride	126	16.939	16.939	0.000	99	31678	5.00	4.80	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	97	99362	5.00	4.85	
142 2-Methylnaphthalene	142	21.526	21.532	-0.006	94	204976	5.00	4.68	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ADD CORP mix_00050

Amount Added: 5.00

Units: uL

P 8260 IS_00166

Amount Added: 1.25

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\PO169.D

Injection Date: 15-Sep-2016 19:32:30

Instrument ID: HP5973P

Operator ID: CDC

Lims ID: IC A3

Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL

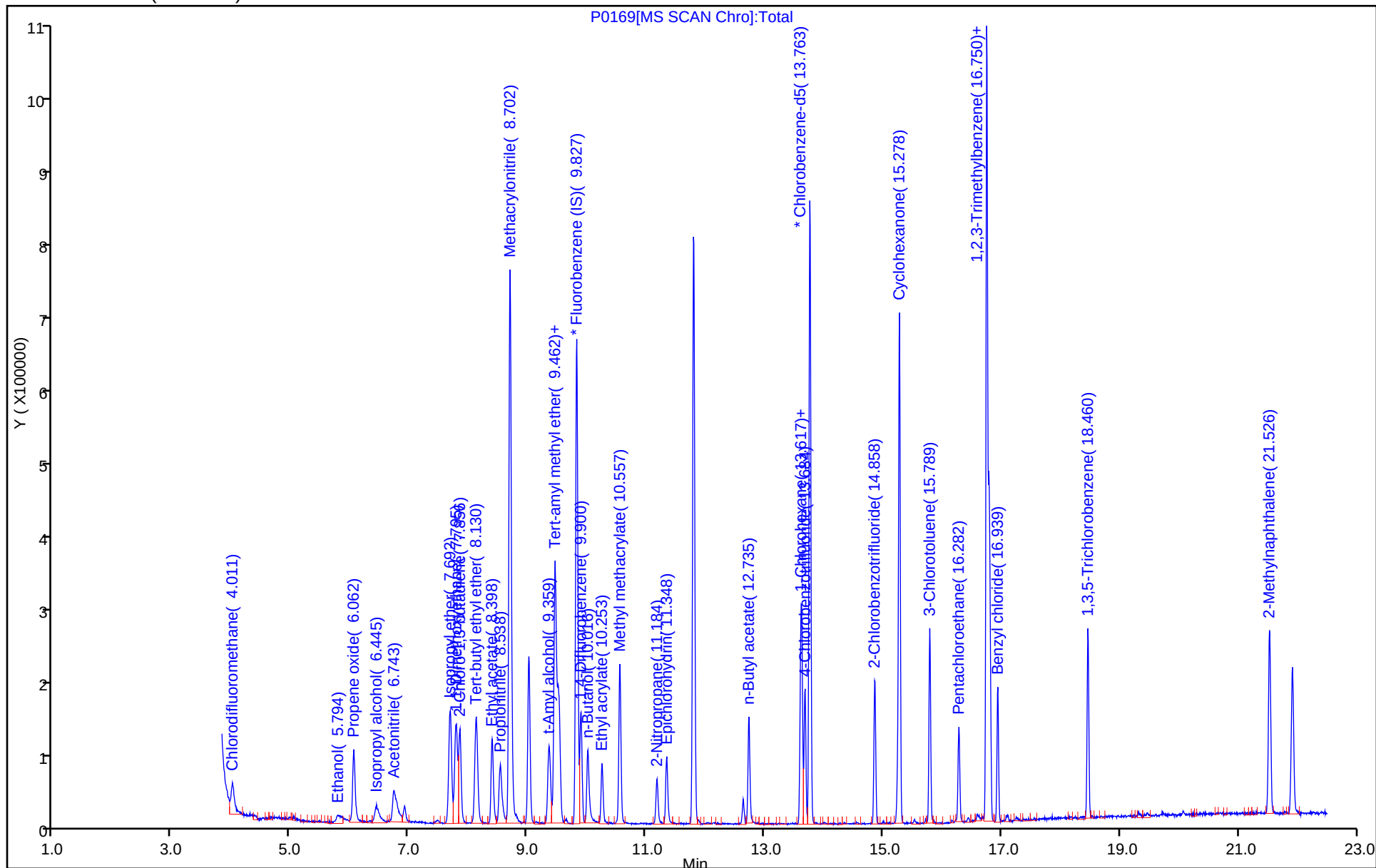
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

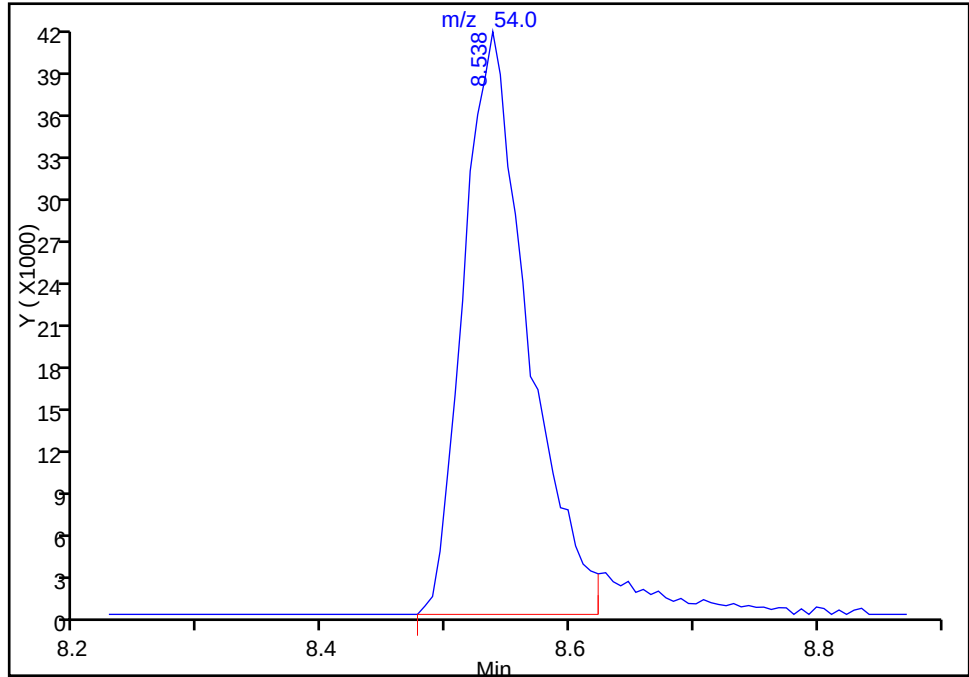
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0169.D
Injection Date: 15-Sep-2016 19:32:30 Instrument ID: HP5973P
Lims ID: IC A3
Client ID:
Operator ID: CDC ALS Bottle#: 12 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

47 Propionitrile, CAS: 107-12-0

Signal: 1

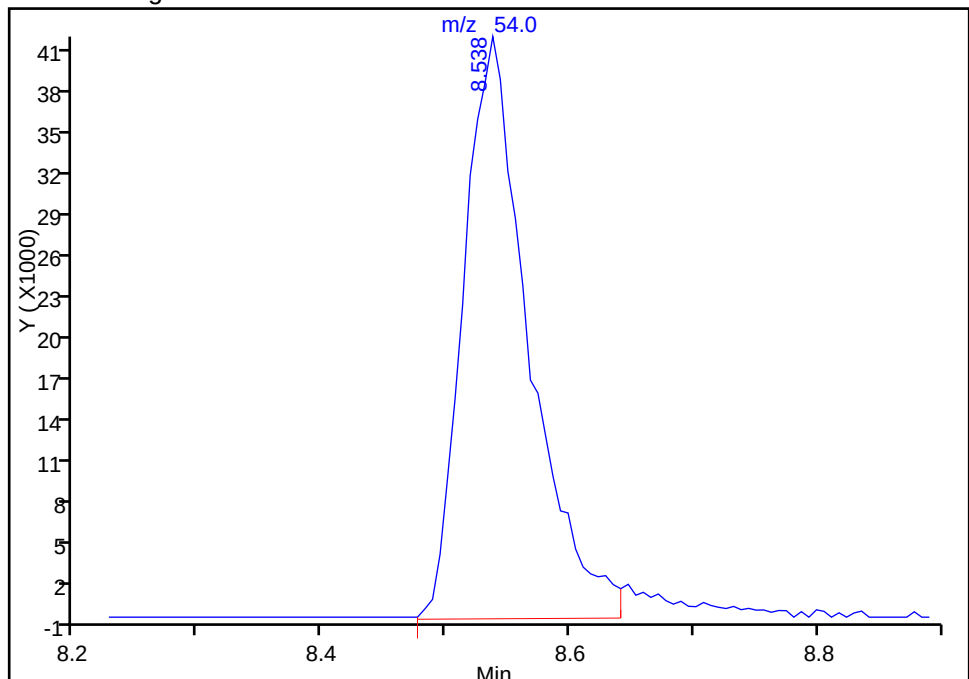
RT: 8.54
Area: 148888
Amount: 45.243063
Amount Units: ug/L

Processing Integration Results



RT: 8.54
Area: 152631
Amount: 46.752005
Amount Units: ug/L

Manual Integration Results



Reviewer: cwklinc, 16-Sep-2016 13:19:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0170.D
 Lims ID: IC A4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 15-Sep-2016 20:00:30 ALS Bottle#: 13 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC A4
 Misc. Info.: 480-0056398-016
 Operator ID: CDC Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub28
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Sep-2016 14:07:50 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: gentilej

Date: 16-Sep-2016 10:44:16

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	9.828	9.828	0.000	98	155087	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.764	0.000	86	310674	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.751	0.000	96	330052	25.0	25.0	
15 Chlorodifluoromethane	51	4.006	4.006	0.000	97	158810	10.0	9.49	
141 Ethanol	45	5.782	5.782	0.000	100	126779	400.0	420.1	
26 Propene oxide	58	6.056	6.056	0.000	95	227538	NC	NC	
23 Isopropyl alcohol	45	6.439	6.439	0.000	99	177184	100.0	90.8	
29 Acetonitrile	40	6.737	6.737	0.000	99	151876	100.0	93.8	
37 Isopropyl ether	45	7.686	7.686	0.000	97	494473	10.0	9.84	
39 1,1-Dimethoxyethane	75	7.783	7.783	0.000	99	179145	50.0	50.2	
41 2-Chloro-1,3-butadiene	53	7.850	7.850	0.000	95	215616	10.0	9.70	
42 Tert-butyl ethyl ether	59	8.124	8.124	0.000	99	433063	10.0	9.95	
46 Ethyl acetate	43	8.398	8.398	0.000	99	421522	20.0	19.6	
47 Propionitrile	54	8.526	8.526	0.000	99	318211	100.0	99.0	M
48 Methacrylonitrile	41	8.696	8.696	0.000	97	1210045	100.0	102.7	
140 t-Amyl alcohol	59	9.359	9.359	0.000	94	239871	100.0	94.7	
146 Isooctane	57	9.481	9.481	0.000	97	394779	10.0	9.69	
58 Tert-amyl methyl ether	73	9.523	9.523	0.000	96	339851	10.0	10.0	
1 1,4-Difluorobenzene	114	9.901	9.901	0.000	94	323940	10.0	9.80	
61 n-Butanol	56	10.010	10.010	0.000	91	187558	250.0	246.4	
145 Ethyl acrylate	55	10.253	10.253	0.000	99	233442	10.0	9.98	
65 Methyl methacrylate	41	10.551	10.551	0.000	94	325923	20.0	19.6	
72 2-Nitropropane	43	11.184	11.184	0.000	98	121542	20.0	18.1	
74 Epichlorohydrin	57	11.342	11.342	0.000	99	219816	100.0	97.5	
149 n-Butyl acetate	43	12.735	12.735	0.000	97	315579	10.0	9.64	
84 3-Chlorobenzotrifluoride	180	13.612	13.612	0.000	93	162394	10.0	9.73	
139 1-Chlorohexane	55	13.630	13.630	0.000	90	121738	10.0	9.35	
86 4-Chlorobenzotrifluoride	180	13.678	13.678	0.000	97	150398	10.0	9.76	
91 2-Chlorobenzotrifluoride	180	14.865	14.865	0.000	97	167907	10.0	9.79	
96 Cyclohexanone	55	15.248	15.248	0.000	95	87835	100.0	102.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
104 3-Chlorotoluene	126	15.789	15.789	0.000	97	134327	10.0	9.80	
108 Pentachloroethane	167	16.282	16.282	0.000	91	57032	10.0	9.64	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	97	485006	10.0	10.0	
114 Dicyclopentadiene	66	16.805	16.805	0.000	96	437265	10.0	9.92	
143 Benzyl chloride	126	16.939	16.939	0.000	99	66548	10.0	10.2	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	97	198551	10.0	9.78	
142 2-Methylnaphthalene	142	21.526	21.526	0.000	93	432736	10.0	9.99	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ADD CORP mix_00050

Amount Added: 5.00

Units: uL

P 8260 IS_00166

Amount Added: 1.25

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20160915-56398.b\\P0170.D

Injection Date: 15-Sep-2016 20:00:30

Instrument ID: HP5973P

Operator ID: CDC

Lims ID: IC A4

Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL

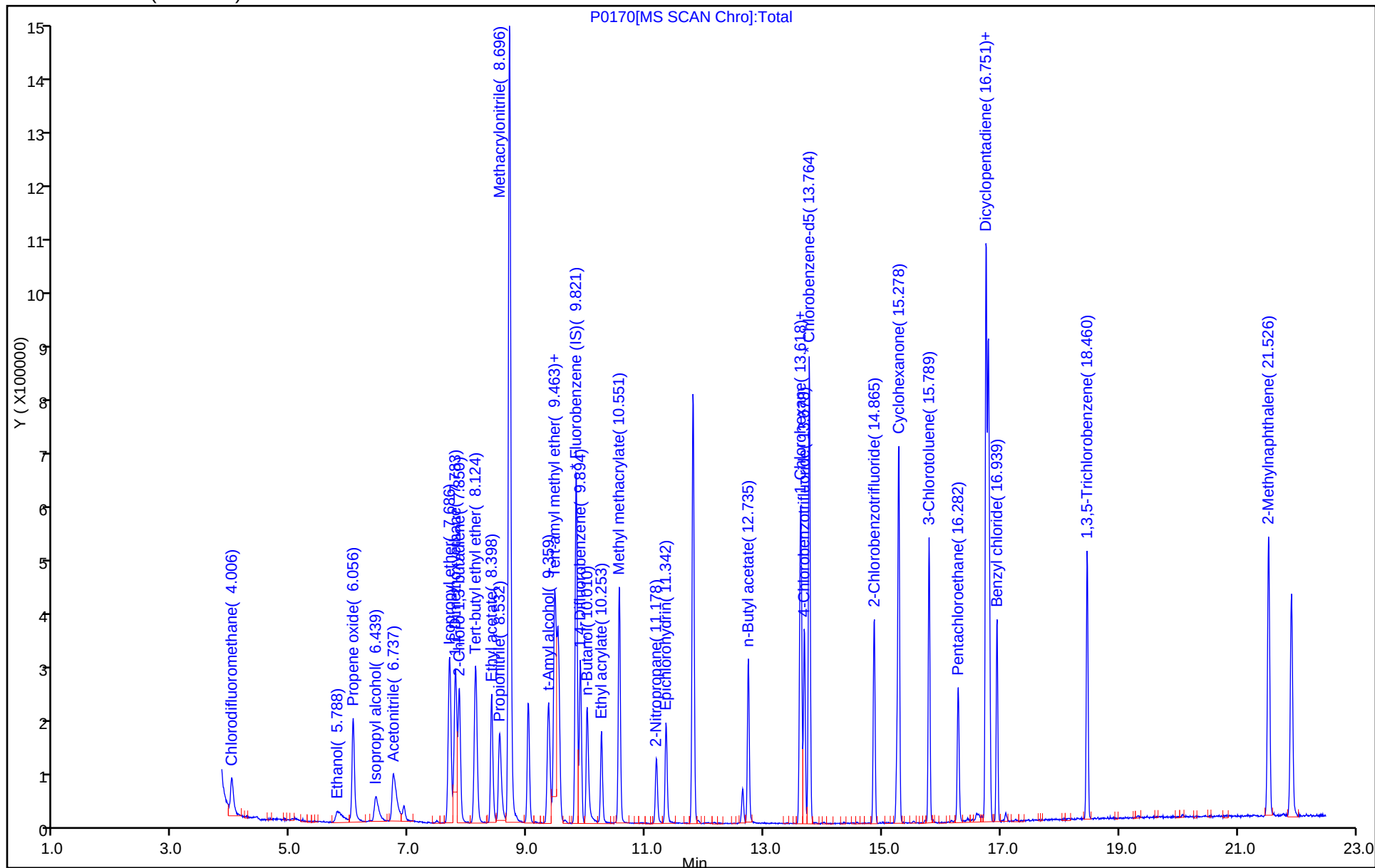
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0170.D

Injection Date: 15-Sep-2016 20:00:30

Instrument ID: HP5973P

Lims ID: IC A4

Client ID:

Operator ID: CDC

ALS Bottle#:

13

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

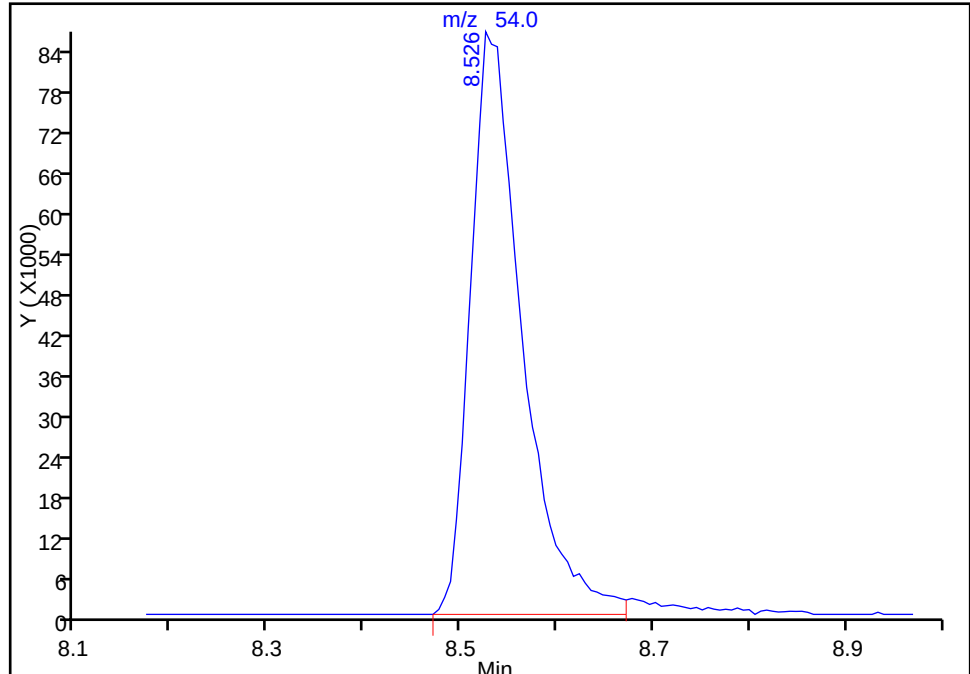
Detector: MS SCAN

47 Propionitrile, CAS: 107-12-0

Signal: 1

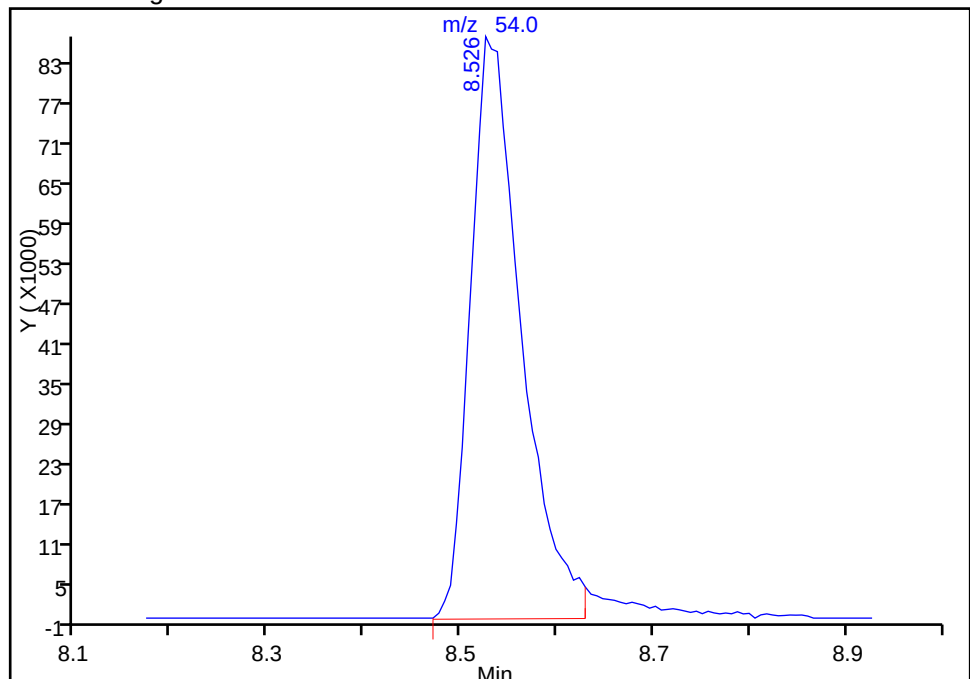
RT: 8.53
Area: 324277
Amount: 99.729086
Amount Units: ug/L

Processing Integration Results



RT: 8.53
Area: 318211
Amount: 98.968072
Amount Units: ug/L

Manual Integration Results



Reviewer: cwklinc, 16-Sep-2016 13:20:19

Audit Action: Manually Integrated

Audit Reason: Other

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0171.D
 Lims ID: IC A5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 15-Sep-2016 20:27:30 ALS Bottle#: 14 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC A5
 Misc. Info.: 480-0056398-017
 Operator ID: CDC Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub28
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Sep-2016 14:07:59 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: gentilej

Date: 16-Sep-2016 10:43:55

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	9.833	9.833	0.000	98	156793	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	87	310189	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	332679	25.0	25.0	
15 Chlorodifluoromethane	51	4.017	4.017	0.000	97	421453	25.0	24.9	
141 Ethanol	45	5.794	5.794	0.000	97	319820	1000.0	1048.3	
26 Propene oxide	58	6.062	6.062	0.000	96	573162	NC	NC	
23 Isopropyl alcohol	45	6.445	6.445	0.000	99	497725	250.0	252.4	
29 Acetonitrile	40	6.737	6.737	0.000	100	408958	250.0	249.8	
37 Isopropyl ether	45	7.692	7.692	0.000	97	1272330	25.0	25.0	
39 1,1-Dimethoxyethane	75	7.789	7.789	0.000	99	456143	125.0	126.4	
41 2-Chloro-1,3-butadiene	53	7.856	7.856	0.000	94	550673	25.0	24.5	
42 Tert-butyl ethyl ether	59	8.130	8.130	0.000	99	1090106	25.0	24.8	
46 Ethyl acetate	43	8.398	8.398	0.000	99	1081365	50.0	49.7	
47 Propionitrile	54	8.538	8.538	0.000	99	815255	250.0	250.8	M
48 Methacrylonitrile	41	8.702	8.702	0.000	96	2952134	250.0	247.8	
140 t-Amyl alcohol	59	9.359	9.359	0.000	94	635656	250.0	248.2	
146 Isooctane	57	9.487	9.487	0.000	97	1011744	25.0	24.6	
58 Tert-amyl methyl ether	73	9.529	9.529	0.000	95	843489	25.0	24.5	
1 1,4-Difluorobenzene	114	9.900	9.900	0.000	95	840665	25.0	25.2	
61 n-Butanol	56	10.010	10.010	0.000	91	496037	625.0	644.5	
145 Ethyl acrylate	55	10.253	10.253	0.000	99	599965	25.0	25.4	
65 Methyl methacrylate	41	10.551	10.551	0.000	93	837123	50.0	49.9	
72 2-Nitropropane	43	11.184	11.184	0.000	98	332435	50.0	49.2	
74 Epichlorohydrin	57	11.342	11.342	0.000	99	568565	250.0	249.5	
149 n-Butyl acetate	43	12.735	12.735	0.000	98	800609	25.0	24.5	
84 3-Chlorobenzotrifluoride	180	13.611	13.611	0.000	93	415136	25.0	24.7	
139 1-Chlorohexane	55	13.630	13.630	0.000	90	311981	25.0	24.0	
86 4-Chlorobenzotrifluoride	180	13.684	13.684	0.000	96	381088	25.0	24.5	
91 2-Chlorobenzotrifluoride	180	14.864	14.864	0.000	96	430555	25.0	24.9	
96 Cyclohexanone	55	15.248	15.248	0.000	95	224543	250.0	258.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
104 3-Chlorotoluene	126	15.789	15.789	0.000	97	345618	25.0	25.0	
108 Pentachloroethane	167	16.282	16.282	0.000	91	157836	25.0	26.5	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	98	1226919	25.0	25.1	
114 Dicyclopentadiene	66	16.811	16.811	0.000	99	1124162	25.0	25.3	
143 Benzyl chloride	126	16.939	16.939	0.000	99	174070	25.0	26.4	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	97	509600	25.0	24.9	
142 2-Methylnaphthalene	142	21.532	21.532	0.000	93	1145492	25.0	26.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ADD CORP mix_00050

Amount Added: 12.50

Units: uL

P 8260 IS_00166

Amount Added: 1.25

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\PO171.D

Injection Date: 15-Sep-2016 20:27:30

Instrument ID: HP5973P

Operator ID: CDC

Lims ID: IC A5

Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL

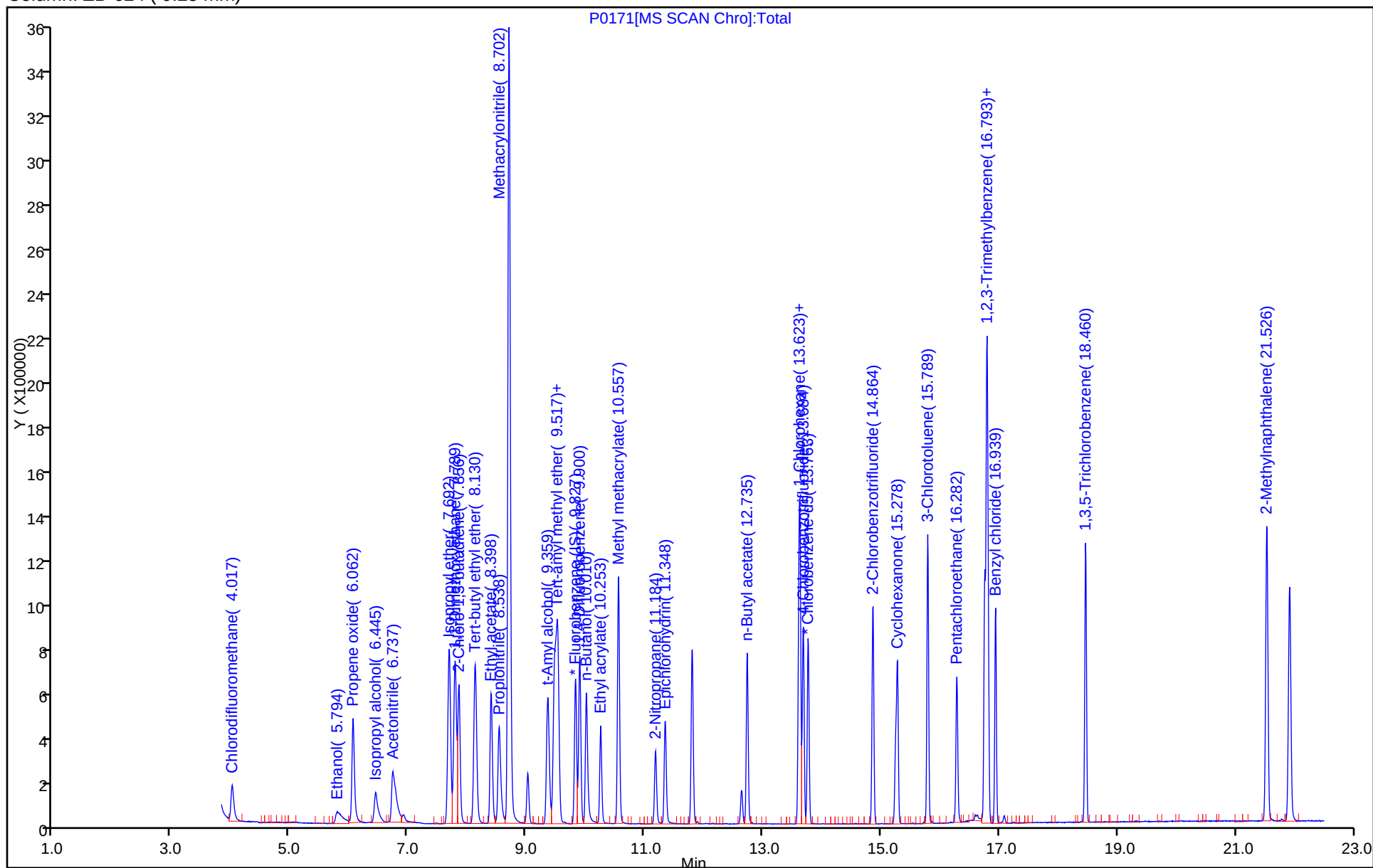
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

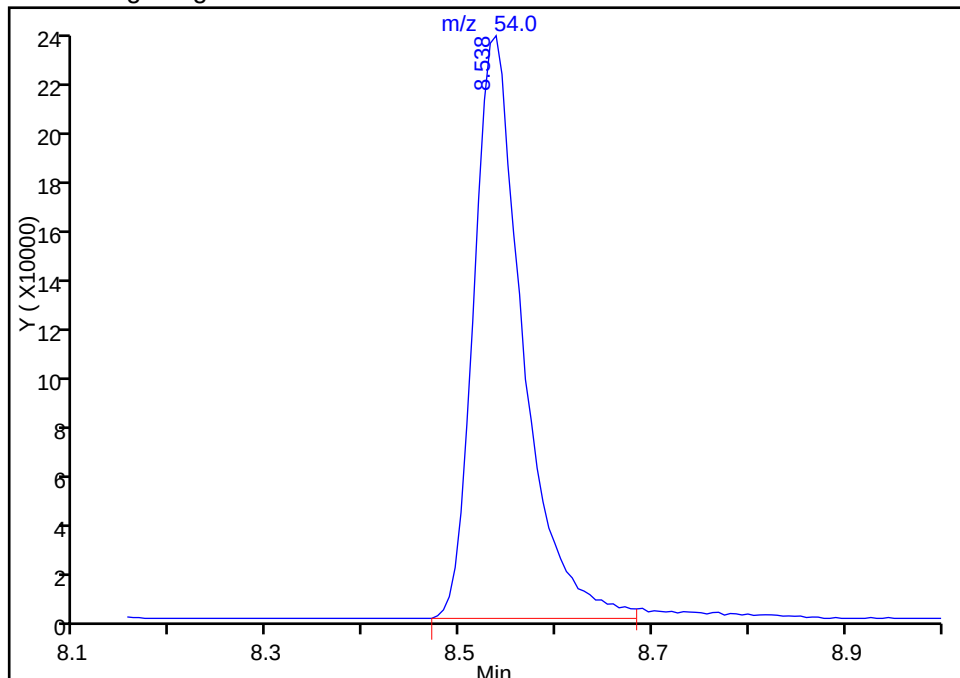
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0171.D
Injection Date: 15-Sep-2016 20:27:30 Instrument ID: HP5973P
Lims ID: IC A5
Client ID:
Operator ID: CDC ALS Bottle#: 14 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

47 Propionitrile, CAS: 107-12-0

Signal: 1

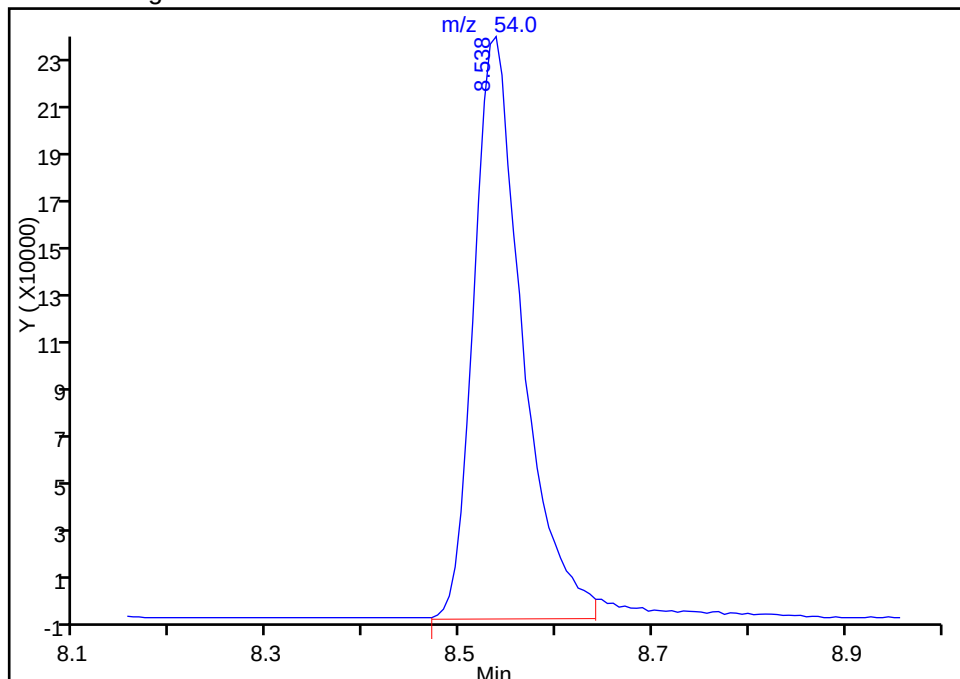
RT: 8.54
Area: 822759
Amount: 250.9493
Amount Units: ug/L

Processing Integration Results



RT: 8.54
Area: 815255
Amount: 250.7969
Amount Units: ug/L

Manual Integration Results



Reviewer: cwklinc, 16-Sep-2016 13:20:42

Audit Action: Manually Integrated

Audit Reason: Other

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0172.D
 Lims ID: IC A6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 15-Sep-2016 20:54:30 ALS Bottle#: 15 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC A6
 Misc. Info.: 480-0056398-018
 Operator ID: CDC Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub28
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Sep-2016 14:08:08 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: gentilej

Date: 16-Sep-2016 10:53:22

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	9.828	9.833	-0.005	99	160367	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.763	0.001	86	307028	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.750	0.001	96	333224	25.0	25.0	
15 Chlorodifluoromethane	51	4.012	4.017	-0.005	97	837909	50.0	48.4	
141 Ethanol	45	5.794	5.794	0.000	98	641417	2000.0	2055.5	
26 Propene oxide	58	6.062	6.062	0.000	96	1150001	NC	NC	
23 Isopropyl alcohol	45	6.445	6.445	0.000	99	1023057	500.0	507.2	
29 Acetonitrile	40	6.737	6.737	0.000	100	837811	500.0	500.3	
37 Isopropyl ether	45	7.686	7.692	-0.006	97	2540466	50.0	48.9	
39 1,1-Dimethoxyethane	75	7.783	7.789	-0.006	99	912621	250.0	247.2	
41 2-Chloro-1,3-butadiene	53	7.856	7.856	0.000	95	1093549	50.0	47.6	
42 Tert-butyl ethyl ether	59	8.130	8.130	0.000	100	2192665	50.0	48.7	
46 Ethyl acetate	43	8.398	8.398	0.000	99	2166115	100.0	97.4	
47 Propionitrile	54	8.532	8.538	-0.006	99	1611410	500.0	484.7	M
48 Methacrylonitrile	41	8.702	8.702	0.000	96	5457287	500.0	447.8	
140 t-Amyl alcohol	59	9.359	9.359	0.000	94	1294279	500.0	494.1	
146 Isooctane	57	9.487	9.487	0.000	97	1974472	50.0	46.9	
58 Tert-amyl methyl ether	73	9.529	9.529	0.000	95	1715656	50.0	48.8	
1 1,4-Difluorobenzene	114	9.901	9.900	0.001	95	1669657	50.0	48.9	
61 n-Butanol	56	10.010	10.010	0.000	91	1036574	1250.0	1316.8	
145 Ethyl acrylate	55	10.253	10.253	0.000	98	1221014	50.0	50.5	
65 Methyl methacrylate	41	10.551	10.551	0.000	93	1641558	100.0	95.7	
72 2-Nitropropane	43	11.184	11.184	0.000	97	681858	100.0	100.7	
74 Epichlorohydrin	57	11.342	11.342	0.000	99	1142219	500.0	490.1	
149 n-Butyl acetate	43	12.735	12.735	0.000	98	1639692	50.0	50.7	
84 3-Chlorobenzotrifluoride	180	13.612	13.611	0.001	95	807868	50.0	47.9	
139 1-Chlorohexane	55	13.630	13.630	0.000	90	608782	50.0	47.3	
86 4-Chlorobenzotrifluoride	180	13.685	13.684	0.000	96	750897	50.0	48.2	
91 2-Chlorobenzotrifluoride	180	14.865	14.864	0.001	96	862233	50.0	49.8	
96 Cyclohexanone	55	15.248	15.248	0.000	96	457770	500.0	526.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
104 3-Chlorotoluene	126	15.789	15.789	0.000	97	679295	50.0	49.1	
108 Pentachloroethane	167	16.282	16.282	0.000	92	310898	50.0	52.1	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	98	2394313	50.0	48.9	
114 Dicyclopentadiene	66	16.805	16.811	-0.006	97	2188404	50.0	49.2	
143 Benzyl chloride	126	16.939	16.939	0.000	99	351253	50.0	53.3	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	97	1014843	50.0	49.5	
142 2-Methylnaphthalene	142	21.532	21.532	0.000	87	2285121	50.0	52.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ADD CORP mix_00050

Amount Added: 25.00

Units: uL

P 8260 IS_00166

Amount Added: 1.25

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\PO172.D

Injection Date: 15-Sep-2016 20:54:30

Instrument ID: HP5973P

Operator ID: CDC

Lims ID: IC A6

Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL

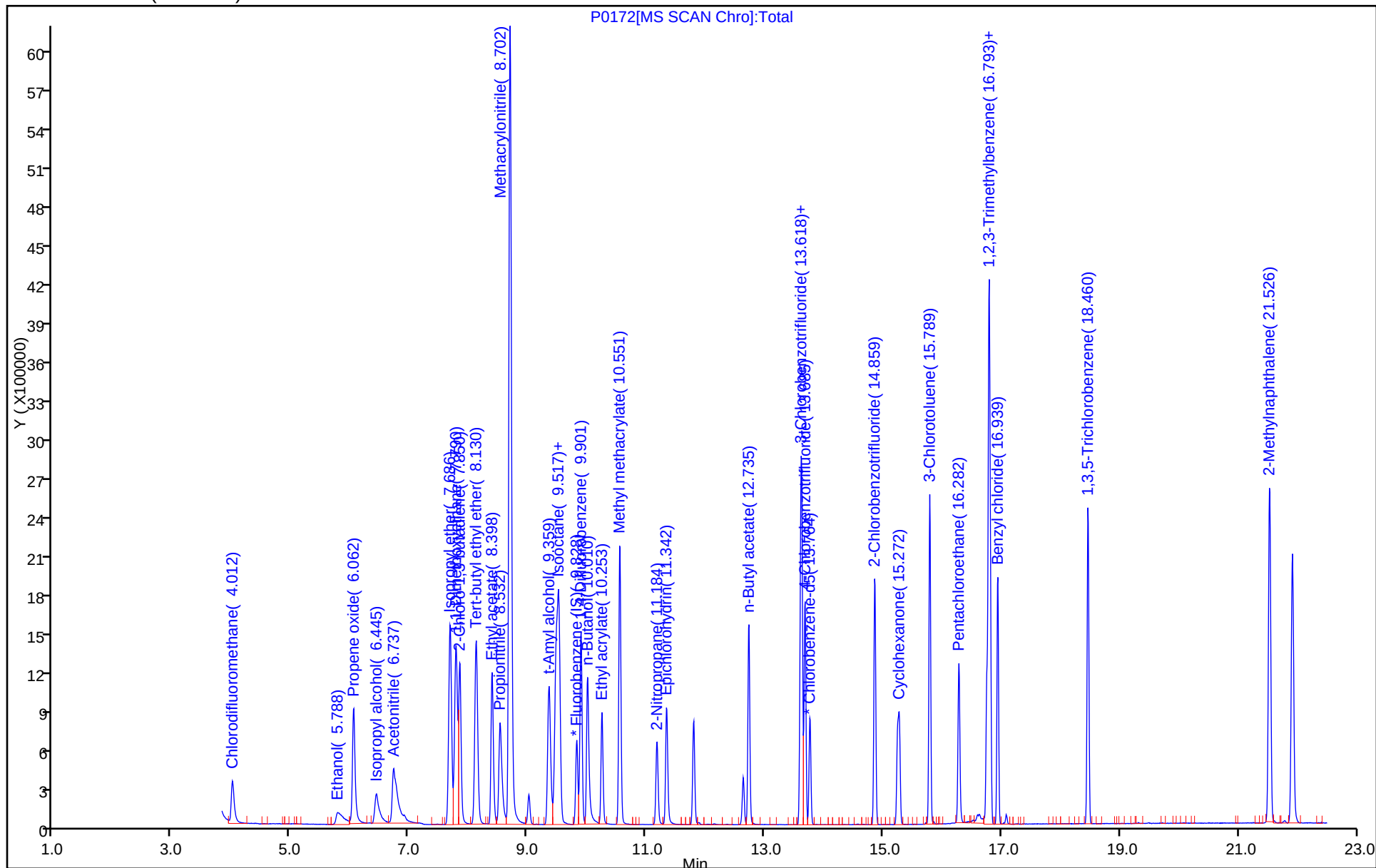
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0172.D

Injection Date: 15-Sep-2016 20:54:30

Instrument ID: HP5973P

Lims ID: IC A6

Client ID:

Operator ID: CDC

ALS Bottle#:

15

Worklist Smp#: 18

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

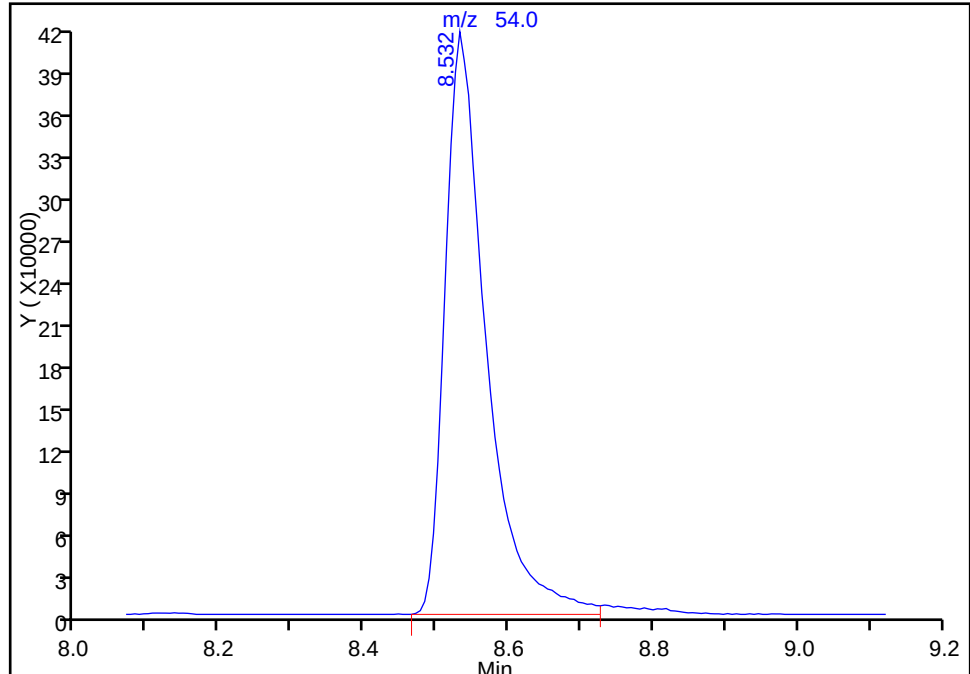
Detector: MS SCAN

47 Propionitrile, CAS: 107-12-0

Signal: 1

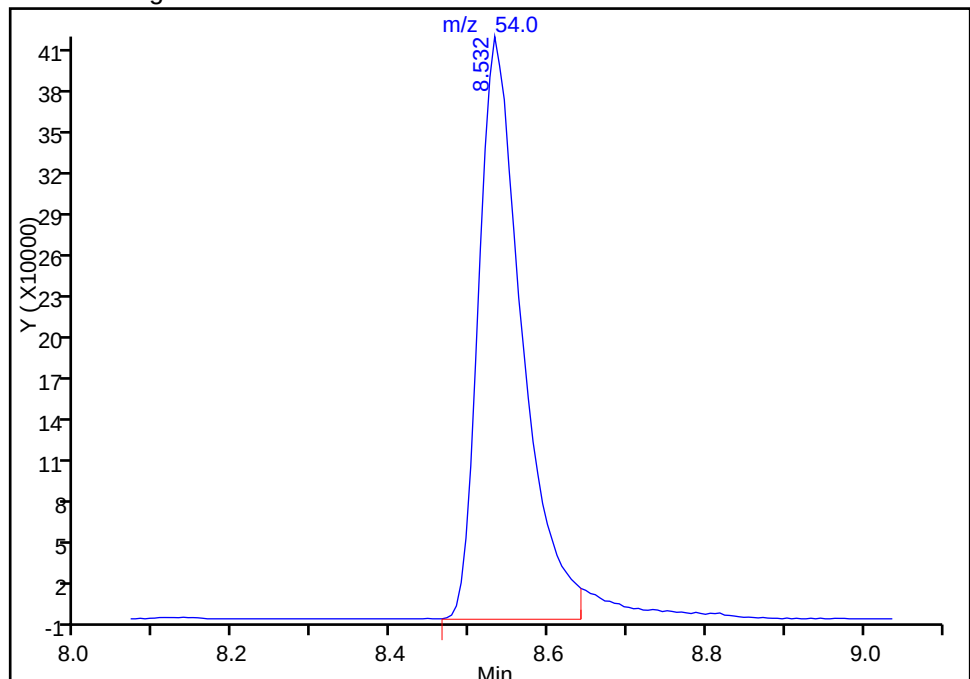
RT: 8.53
Area: 1667571
Amount: 497.9409
Amount Units: ug/L

Processing Integration Results



RT: 8.53
Area: 1611410
Amount: 484.6703
Amount Units: ug/L

Manual Integration Results



Reviewer: cwklinc, 16-Sep-2016 13:21:02

Audit Action: Manually Integrated

Audit Reason: Other

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Lims ID: IC A7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 15-Sep-2016 21:21:30 ALS Bottle#: 16 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC A7
 Misc. Info.: 480-0056398-019
 Operator ID: CDC Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub28
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Sep-2016 14:08:17 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: gentilej

Date: 16-Sep-2016 10:53:45

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	9.827	9.833	-0.006	99	155092	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	304913	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	326961	25.0	25.0	
15 Chlorodifluoromethane	51	4.005	4.017	-0.012	97	1630061	100.0	97.4	
141 Ethanol	45	5.794	5.794	0.000	98	1268078	4000.0	4202.0	
26 Propene oxide	58	6.056	6.062	-0.006	96	2118394	NC	NC	
23 Isopropyl alcohol	45	6.439	6.445	-0.006	100	1987474	1000.0	1018.8	
29 Acetonitrile	40	6.731	6.737	-0.006	99	1620833	1000.0	1000.8	
37 Isopropyl ether	45	7.686	7.692	-0.006	97	4789274	100.0	95.3	
39 1,1-Dimethoxyethane	75	7.783	7.789	-0.006	99	1726432	500.0	483.5	
41 2-Chloro-1,3-butadiene	53	7.850	7.856	-0.006	94	2024469	100.0	91.1	
42 Tert-butyl ethyl ether	59	8.124	8.130	-0.006	99	4121214	100.0	94.7	
46 Ethyl acetate	43	8.398	8.398	0.000	99	4217116	200.0	196.1	
47 Propionitrile	54	8.532	8.538	-0.006	99	3122800	1000.0	971.2	M
48 Methacrylonitrile	41	8.702	8.702	0.000	95	8909382	1000.0	756.0	
140 t-Amyl alcohol	59	9.359	9.359	0.000	94	2531952	1000.0	999.5	
146 Isooctane	57	9.487	9.487	0.000	97	3625589	100.0	89.0	
58 Tert-amyl methyl ether	73	9.523	9.529	-0.006	95	3203911	100.0	94.2	
1 1,4-Difluorobenzene	114	9.900	9.900	0.000	95	3197558	100.0	96.8	
61 n-Butanol	56	10.010	10.010	0.000	90	2007324	2500.0	2636.7	
145 Ethyl acrylate	55	10.253	10.253	0.000	99	2383767	100.0	101.9	
65 Methyl methacrylate	41	10.551	10.551	0.000	93	3075370	200.0	185.4	
72 2-Nitropropane	43	11.184	11.184	0.000	97	1359925	200.0	204.8	
74 Epichlorohydrin	57	11.348	11.342	0.006	99	2201314	1000.0	976.7	
149 n-Butyl acetate	43	12.735	12.735	0.000	98	3153980	100.0	98.2	
84 3-Chlorobenzotrifluoride	180	13.611	13.611	0.000	94	1520662	100.0	92.0	
139 1-Chlorohexane	55	13.630	13.630	0.000	91	1099123	100.0	86.0	
86 4-Chlorobenzotrifluoride	180	13.684	13.684	0.000	96	1391885	100.0	91.1	
91 2-Chlorobenzotrifluoride	180	14.865	14.864	0.001	96	1625315	100.0	95.6	
96 Cyclohexanone	55	15.248	15.248	0.000	95	899023	1000.0	1053.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
104 3-Chlorotoluene	126	15.789	15.789	0.000	97	1274150	100.0	93.8	
108 Pentachloroethane	167	16.282	16.282	0.000	92	612786	100.0	104.6	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	98	4273155	100.0	89.0	
114 Dicyclopentadiene	66	16.811	16.811	0.000	99	3898899	100.0	89.3	
143 Benzyl chloride	126	16.939	16.939	0.000	99	665852	100.0	102.9	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	98	1896107	100.0	94.3	
142 2-Methylnaphthalene	142	21.526	21.532	-0.006	93	4320281	100.0	100.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ADD CORP mix_00050

Amount Added: 50.00

Units: uL

P 8260 IS_00166

Amount Added: 1.25

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\PO173.D

Injection Date: 15-Sep-2016 21:21:30

Instrument ID: HP5973P

Operator ID: CDC

Lims ID: IC A7

Worklist Smp#: 19

Client ID:

Purge Vol: 5.000 mL

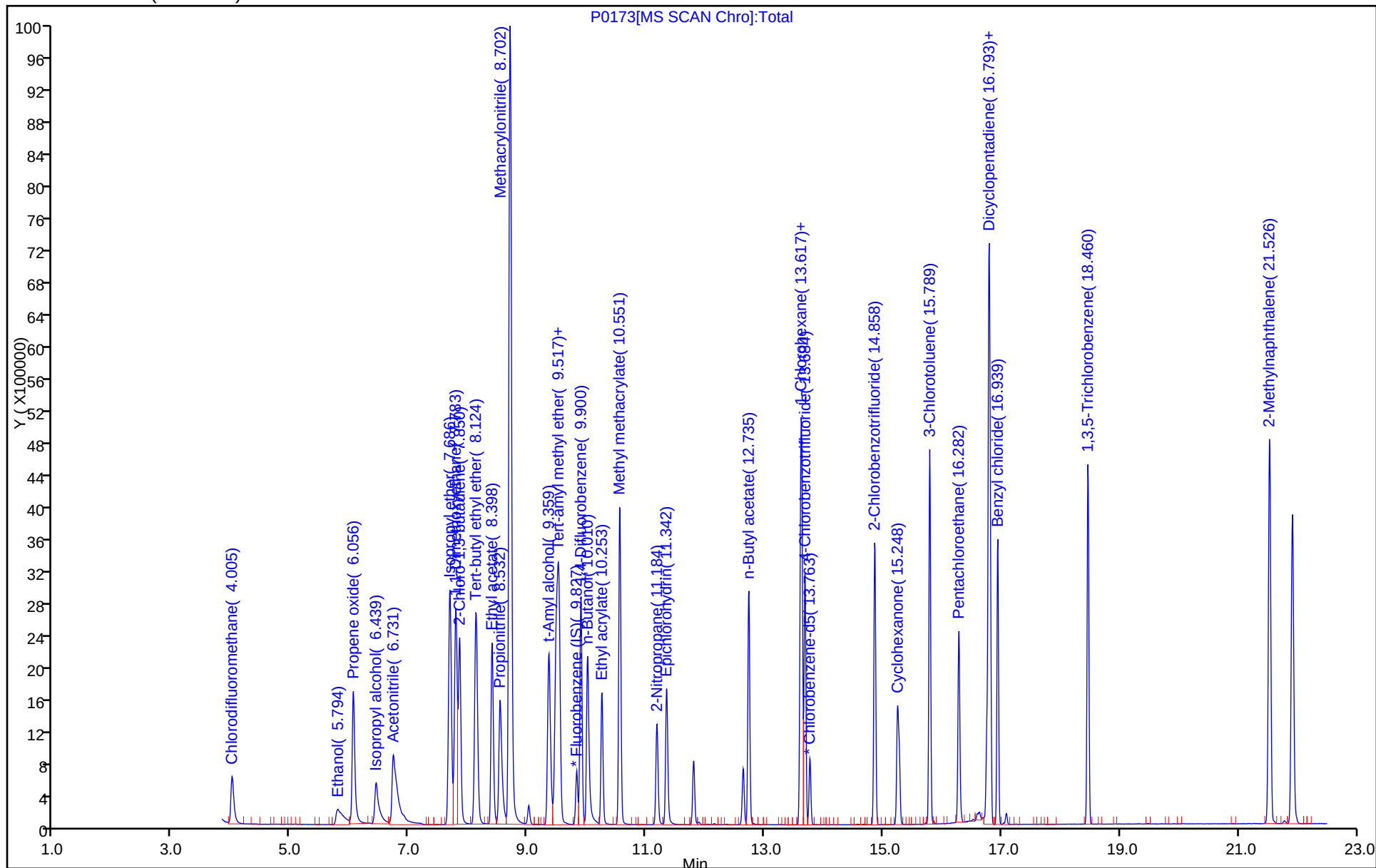
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D

Injection Date: 15-Sep-2016 21:21:30

Instrument ID: HP5973P

Lims ID: IC A7

Client ID:

Operator ID: CDC

ALS Bottle#:

16

Worklist Smp#: 19

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

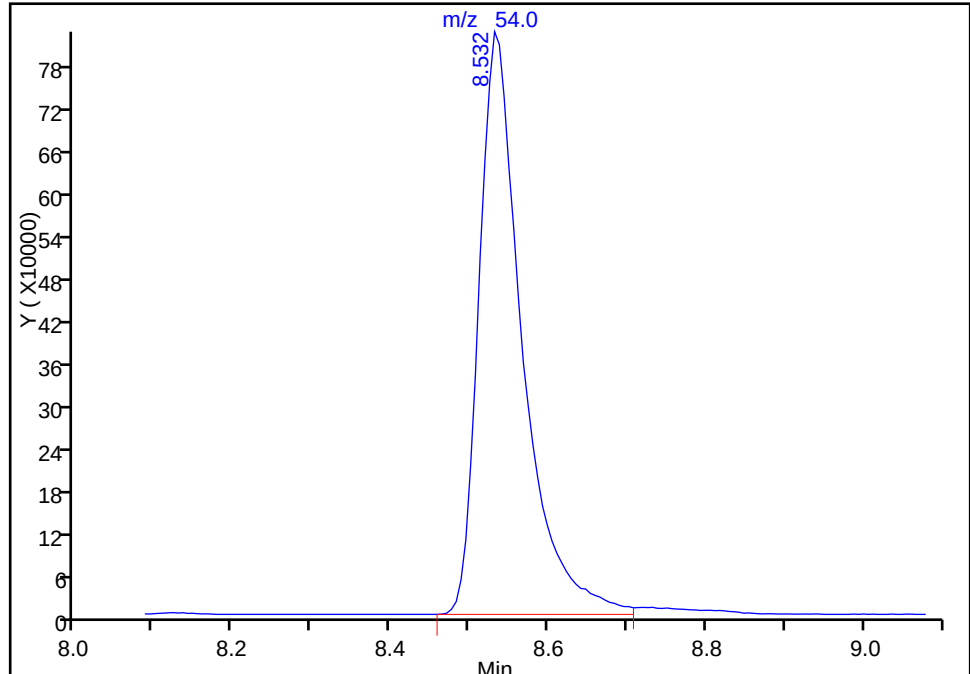
MS SCAN

47 Propionitrile, CAS: 107-12-0

Signal: 1

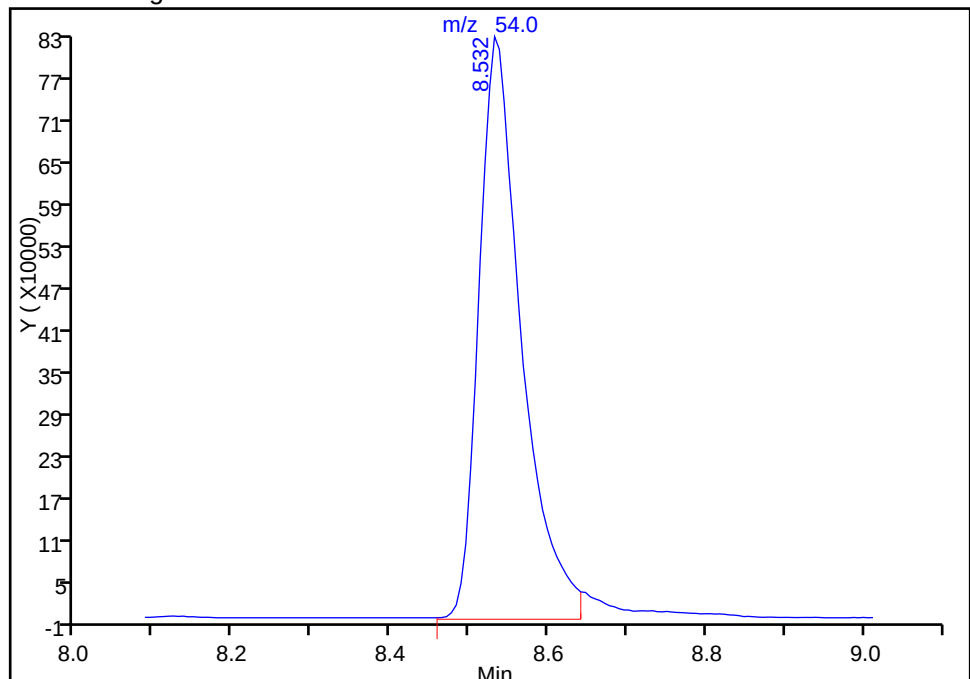
RT: 8.53
Area: 3177855
Amount: 985.9139
Amount Units: ug/L

Processing Integration Results



RT: 8.53
Area: 3122800
Amount: 971.2032
Amount Units: ug/L

Manual Integration Results



Reviewer: cwklinc, 16-Sep-2016 13:21:25

Audit Action: Manually Integrated

Audit Reason: Other

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1

SDG No.: _____

Lab Sample ID: CCVIS 480-323329/2 Calibration Date: 09/30/2016 21:28

Instrument ID: HP5973P Calib Start Date: 09/15/2016 15:01

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 17:44

Lab File ID: P0814.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	2.081	2.529	0.1000	30.4	25.0	21.6	50.0
Chloromethane	Ave	2.178	2.195	0.1000	25.2	25.0	0.8	20.0
Vinyl chloride	Ave	1.578	1.507	0.1000	23.9	25.0	-4.5	20.0
Butadiene	Ave	1.708	1.627		23.8	25.0	-4.8	20.0
Bromomethane	Ave	0.6783	0.8546	0.1000	31.5	25.0	26.0	50.0
Chloroethane	Ave	0.8415	1.021	0.1000	30.3	25.0	21.4	50.0
Dichlorofluoromethane	Ave	2.759	2.864		26.0	25.0	3.8	20.0
Trichlorofluoromethane	Ave	2.917	3.049	0.1000	26.1	25.0	4.5	20.0
Ethyl ether	Ave	1.946	1.870		24.0	25.0	-3.9	20.0
Acrolein	Ave	0.4794	0.4211		110	125	-12.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.929	1.858	0.1000	24.1	25.0	-3.7	20.0
1,1-Dichloroethene	Ave	1.681	1.601	0.1000	23.8	25.0	-4.8	20.0
Acetone	Ave	1.027	1.042	0.1000	127	125	1.5	50.0
Iodomethane	Ave	3.224	3.255		25.2	25.0	1.0	20.0
Carbon disulfide	Ave	5.676	5.214	0.1000	23.0	25.0	-8.1	20.0
Methyl acetate	Ave	2.692	2.364	0.1000	110	125	-12.2	50.0
Allyl chloride	Ave	3.973	3.515		22.1	25.0	-11.5	20.0
Methylene Chloride	Lin1		1.781	0.1000	25.1	25.0	0.3	20.0
2-Methyl-2-propanol	Ave	0.4559	0.3682		202	250	-19.2	50.0
Methyl tert-butyl ether	Ave	5.703	5.560	0.1000	24.4	25.0	-2.5	20.0
Acrylonitrile	Ave	1.279	1.126		220	250	-11.9	20.0
trans-1,2-Dichloroethene	Ave	1.763	1.661	0.1000	23.5	25.0	-5.8	20.0
Hexane	Ave	3.149	2.614		20.8	25.0	-17.0	20.0
Vinyl acetate	Ave	5.822	5.500		47.2	50.0	-5.5	20.0
1,1-Dichloroethane	Ave	3.719	3.444	0.2000	23.1	25.0	-7.4	20.0
2-Butanone (MEK)	Ave	1.820	1.637	0.1000	112	125	-10.1	20.0
cis-1,2-Dichloroethene	Ave	1.931	1.861	0.1000	24.1	25.0	-3.7	20.0
2,2-Dichloropropane	Ave	2.555	2.627		25.7	25.0	2.8	20.0
Chlorobromomethane	Ave	0.997	1.015		25.4	25.0	1.7	20.0
Tetrahydrofuran	Ave	1.260	1.026		40.7	50.0	-18.6	20.0
Chloroform	Ave	2.995	2.915	0.2000	24.3	25.0	-2.7	20.0
1,1,1-Trichloroethane	Ave	2.697	2.677	0.1000	24.8	25.0	-0.7	20.0
Cyclohexane	Ave	4.196	3.624	0.1000	21.6	25.0	-13.6	20.0
Isobutyl alcohol	Ave	0.2046	0.1387		424	625	-32.2	50.0
1,1-Dichloropropene	Ave	2.352	2.252		23.9	25.0	-4.3	20.0
Carbon tetrachloride	Ave	2.524	2.575	0.1000	25.5	25.0	2.0	20.0
Benzene	Ave	6.811	6.375	0.5000	23.4	25.0	-6.4	20.0
1,2-Dichloroethane	Ave	2.818	2.816	0.1000	25.0	25.0	-0.0	20.0
n-Heptane	Ave	3.322	2.419		18.2	25.0	-27.2*	20.0
Trichloroethene	Ave	1.843	1.705	0.2000	23.1	25.0	-7.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1

SDG No.: _____

Lab Sample ID: CCVIS 480-323329/2 Calibration Date: 09/30/2016 21:28

Instrument ID: HP5973P Calib Start Date: 09/15/2016 15:01

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 17:44

Lab File ID: P0814.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	3.014	2.567	0.1000	21.3	25.0	-14.8	20.0
1,2-Dichloropropane	Ave	1.988	1.841	0.1000	23.2	25.0	-7.4	20.0
1,4-Dioxane	Ave	0.0136	0.0130		475	500	-4.9	50.0
Dibromomethane	Ave	1.218	1.184	0.1000	24.3	25.0	-2.8	20.0
Bromodichloromethane	Ave	2.184	2.148	0.2000	24.6	25.0	-1.6	20.0
2-Chloroethyl vinyl ether	Ave	1.589	1.385		21.8	25.0	-12.8	20.0
cis-1,3-Dichloropropene	Ave	2.823	2.677	0.2000	23.7	25.0	-5.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.772	1.566	0.1000	111	125	-11.6	20.0
Toluene	Ave	2.185	2.042	0.4000	23.4	25.0	-6.5	20.0
Ethyl methacrylate	Ave	1.281	1.122		21.9	25.0	-12.4	20.0
trans-1,3-Dichloropropene	Ave	1.298	1.254	0.1000	24.2	25.0	-3.4	20.0
1,1,2-Trichloroethane	Ave	0.6794	0.6394	0.1000	23.5	25.0	-5.9	20.0
Tetrachloroethene	Ave	0.9430	0.9343	0.2000	24.8	25.0	-0.9	20.0
2-Hexanone	Ave	1.218	1.121	0.1000	115	125	-8.0	20.0
1,3-Dichloropropane	Ave	1.321	1.289		24.4	25.0	-2.4	20.0
Dibromochloromethane	Ave	0.9272	0.9188	0.1000	24.8	25.0	-0.9	20.0
1,2-Dibromoethane	Ave	0.9355	0.9054		24.2	25.0	-3.2	20.0
Chlorobenzene	Ave	2.437	2.402	0.5000	24.6	25.0	-1.4	20.0
Ethylbenzene	Ave	3.961	3.816	0.1000	24.1	25.0	-3.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.9139	0.9254		25.3	25.0	1.3	20.0
m,p-Xylene	Ave	1.693	1.592	0.1000	23.5	25.0	-6.0	20.0
o-Xylene	Ave	1.679	1.616	0.3000	24.1	25.0	-3.7	20.0
Styrene	Ave	2.658	2.537	0.3000	23.9	25.0	-4.6	20.0
Bromoform	Ave	0.6221	0.6261	0.1000	25.2	25.0	0.6	50.0
Isopropylbenzene	Ave	4.024	3.618	0.1000	22.5	25.0	-10.1	20.0
1,1,2,2-Tetrachloroethane	Ave	1.213	1.093	0.3000	22.5	25.0	-9.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.5423	0.4560		21.0	25.0	-15.9	50.0
1,2,3-Trichloropropane	Ave	0.3731	0.3510		23.5	25.0	-5.9	20.0
Bromobenzene	Ave	0.9904	0.9646		24.3	25.0	-2.6	20.0
N-Propylbenzene	Ave	4.506	4.158		23.1	25.0	-7.7	20.0
2-Chlorotoluene	Ave	0.9707	0.9140		23.5	25.0	-5.8	20.0
1,3,5-Trimethylbenzene	Ave	3.321	3.092		23.3	25.0	-6.9	20.0
4-Chlorotoluene	Ave	1.016	0.9633		23.7	25.0	-5.2	20.0
tert-Butylbenzene	Ave	0.7591	0.6945		22.9	25.0	-8.5	20.0
1,2,4-Trimethylbenzene	Ave	3.531	3.331		23.6	25.0	-5.7	20.0
sec-Butylbenzene	Ave	4.347	3.828		22.0	25.0	-11.9	20.0
4-Isopropyltoluene	Ave	3.821	3.430		22.4	25.0	-10.2	20.0
1,3-Dichlorobenzene	Ave	2.046	1.965	0.6000	24.0	25.0	-4.0	20.0
1,4-Dichlorobenzene	Ave	2.045	1.974	0.5000	24.1	25.0	-3.4	20.0
n-Butylbenzene	Ave	3.295	2.893		21.9	25.0	-12.2	20.0
1,2-Dichlorobenzene	Ave	2.054	1.989	0.4000	24.2	25.0	-3.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-323329/2 Calibration Date: 09/30/2016 21:28
 Instrument ID: HP5973P Calib Start Date: 09/15/2016 15:01
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 17:44
 Lab File ID: P0814.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	0.3258	0.2791	0.0500	21.4	25.0	-14.3	50.0
1,2,4-Trichlorobenzene	Ave	1.532	1.365	0.2000	22.3	25.0	-10.9	20.0
Hexachlorobutadiene	Ave	0.5740	0.4608		20.1	25.0	-19.7	20.0
Naphthalene	Ave	5.118	4.541		22.2	25.0	-11.3	20.0
1,2,3-Trichlorobenzene	Ave	1.524	1.299		21.3	25.0	-14.7	20.0
Dibromofluoromethane (Surr)	Ave	1.232	1.110		22.5	25.0	-9.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8013	0.6952		21.7	25.0	-13.2	20.0
Toluene-d8 (Surr)	Ave	2.220	2.016		22.7	25.0	-9.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7606	0.7911		26.0	25.0	4.0	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0814.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 30-Sep-2016 21:28:30 ALS Bottle#: 2 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0056891-002
 Operator ID: SY Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:09:25 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: youngmans

Date: 30-Sep-2016 21:49:38

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	9.821	9.821	0.000	98	150111	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.764	0.000	85	297406	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.751	0.000	96	331259	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.012	0.000	93	166630	25.0	22.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.450	9.450	0.000	0	104358	25.0	21.7	
\$ 5 Toluene-d8 (Surr)	98	11.792	11.792	0.000	92	599606	25.0	22.7	
\$ 6 4-Bromofluorobenzene (Surr	174	15.272	15.272	0.000	90	235279	25.0	26.0	
10 Dichlorodifluoromethane	85	3.987	3.987	0.000	99	379685	25.0	30.4	
11 Chloromethane	50	4.291	4.291	0.000	99	329467	25.0	25.2	
17 Vinyl chloride	62	4.529	4.529	0.000	98	226257	25.0	23.9	
144 Butadiene	54	4.541	4.541	0.000	93	244194	25.0	23.8	
12 Bromomethane	94	5.070	5.070	0.000	92	128280	25.0	31.5	
13 Chloroethane	64	5.204	5.204	0.000	98	153327	25.0	30.3	
19 Dichlorofluoromethane	67	5.490	5.490	0.000	98	429960	25.0	26.0	
14 Trichlorofluoromethane	101	5.612	5.612	0.000	98	457655	25.0	26.1	
20 Ethyl ether	59	5.904	5.904	0.000	98	280726	25.0	24.0	
22 Acrolein	56	6.147	6.147	0.000	99	316037	125.0	109.8	
16 1,1,2-Trichloro-1,2,2-trif	101	6.238	6.238	0.000	93	278858	25.0	24.1	
25 1,1-Dichloroethene	96	6.287	6.287	0.000	94	240256	25.0	23.8	
24 Acetone	43	6.323	6.323	0.000	98	781750	125.0	126.8	
18 Iodomethane	142	6.548	6.548	0.000	99	488650	25.0	25.2	
27 Carbon disulfide	76	6.670	6.670	0.000	100	782734	25.0	23.0	
30 Methyl acetate	43	6.701	6.701	0.000	100	1774091	125.0	109.7	
28 3-Chloro-1-propene	41	6.737	6.737	0.000	86	527663	25.0	22.1	
31 Methylene Chloride	84	6.907	6.907	0.000	95	267410	25.0	25.1	
33 2-Methyl-2-propanol	59	6.932	6.932	0.000	99	552757	250.0	201.9	
32 Methyl tert-butyl ether	73	7.169	7.169	0.000	99	834644	25.0	24.4	
34 Acrylonitrile	53	7.199	7.199	0.000	97	1690922	250.0	220.1	
35 trans-1,2-Dichloroethene	96	7.230	7.230	0.000	93	249282	25.0	23.5	
36 Hexane	57	7.467	7.467	0.000	95	392367	25.0	20.8	

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	7.698	7.698	0.000	97	1651284	50.0	47.2	
40 1,1-Dichloroethane	63	7.753	7.753	0.000	96	516956	25.0	23.1	
44 2-Butanone (MEK)	43	8.398	8.398	0.000	98	1228502	125.0	112.4	
43 cis-1,2-Dichloroethene	96	8.453	8.453	0.000	86	279320	25.0	24.1	
45 2,2-Dichloropropane	77	8.459	8.459	0.000	63	394319	25.0	25.7	
50 Chlorobromomethane	128	8.769	8.769	0.000	94	152288	25.0	25.4	
51 Tetrahydrofuran	42	8.793	8.793	0.000	91	307908	50.0	40.7	
49 Chloroform	83	8.805	8.805	0.000	95	437590	25.0	24.3	
52 1,1,1-Trichloroethane	97	9.067	9.067	0.000	98	401820	25.0	24.8	
54 Cyclohexane	56	9.134	9.134	0.000	94	544009	25.0	21.6	
53 Isobutyl alcohol	43	9.219	9.219	0.000	97	520575	625.0	423.7	
56 1,1-Dichloropropene	75	9.237	9.237	0.000	92	338003	25.0	23.9	
55 Carbon tetrachloride	117	9.274	9.274	0.000	96	386465	25.0	25.5	
57 Benzene	78	9.523	9.523	0.000	98	956892	25.0	23.4	
60 1,2-Dichloroethane	62	9.542	9.542	0.000	96	422658	25.0	25.0	
59 n-Heptane	43	9.639	9.639	0.000	97	363148	25.0	18.2	
62 Trichloroethene	95	10.272	10.272	0.000	93	255970	25.0	23.1	
64 Methylcyclohexane	83	10.509	10.509	0.000	97	385379	25.0	21.3	
63 1,2-Dichloropropane	63	10.582	10.582	0.000	95	276371	25.0	23.2	
68 1,4-Dioxane	88	10.697	10.697	0.000	99	77178	500.0	475.5	
69 Dibromomethane	93	10.770	10.770	0.000	96	177763	25.0	24.3	
70 Dichlorobromomethane	83	10.910	10.910	0.000	96	322506	25.0	24.6	
71 2-Chloroethyl vinyl ether	63	11.172	11.172	0.000	92	207967	25.0	21.8	
73 cis-1,3-Dichloropropene	75	11.446	11.446	0.000	91	401816	25.0	23.7	
75 4-Methyl-2-pentanone (MIBK)	43	11.555	11.555	0.000	98	2329403	125.0	110.5	
76 Toluene	92	11.890	11.890	0.000	98	607285	25.0	23.4	
77 Ethyl methacrylate	69	12.115	12.115	0.000	94	333560	25.0	21.9	
78 trans-1,3-Dichloropropene	75	12.145	12.145	0.000	94	372968	25.0	24.2	
79 1,1,2-Trichloroethane	83	12.431	12.431	0.000	93	190174	25.0	23.5	
80 Tetrachloroethene	166	12.632	12.632	0.000	96	277871	25.0	24.8	
83 2-Hexanone	43	12.644	12.644	0.000	99	1666633	125.0	115.0	
82 1,3-Dichloropropane	76	12.669	12.669	0.000	98	383313	25.0	24.4	
81 Chlorodibromomethane	129	13.009	13.009	0.000	91	273246	25.0	24.8	
85 Ethylene Dibromide	107	13.210	13.210	0.000	100	269261	25.0	24.2	
87 Chlorobenzene	112	13.800	13.800	0.000	95	714479	25.0	24.6	
89 Ethylbenzene	91	13.867	13.867	0.000	98	1134860	25.0	24.1	
88 1,1,1,2-Tetrachloroethane	131	13.885	13.885	0.000	95	275229	25.0	25.3	
90 m-Xylene & p-Xylene	106	14.007	14.007	0.000	0	473451	25.0	23.5	
93 o-Xylene	106	14.561	14.561	0.000	96	480670	25.0	24.1	
94 Styrene	104	14.579	14.579	0.000	94	754431	25.0	23.9	
92 Bromoform	173	14.932	14.932	0.000	96	186191	25.0	25.2	
95 Isopropylbenzene	105	14.999	14.999	0.000	96	1198411	25.0	22.5	
97 1,1,2,2-Tetrachloroethane	83	15.424	15.424	0.000	96	362028	25.0	22.5	
98 trans-1,4-Dichloro-2-buten	53	15.479	15.479	0.000	82	151043	25.0	21.0	
100 Bromobenzene	156	15.516	15.516	0.000	93	319528	25.0	24.3	
101 1,2,3-Trichloropropane	110	15.516	15.516	0.000	70	116286	25.0	23.5	
99 N-Propylbenzene	91	15.534	15.534	0.000	98	1377323	25.0	23.1	
103 2-Chlorotoluene	126	15.722	15.722	0.000	96	302780	25.0	23.5	
102 1,3,5-Trimethylbenzene	105	15.729	15.729	0.000	95	1024339	25.0	23.3	
105 4-Chlorotoluene	126	15.850	15.850	0.000	98	319100	25.0	23.7	
106 tert-Butylbenzene	134	16.167	16.167	0.000	94	230070	25.0	22.9	
107 1,2,4-Trimethylbenzene	105	16.227	16.227	0.000	97	1103435	25.0	23.6	

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	16.440	16.440	0.000	94	1268016	25.0	22.0	
112 4-Isopropyltoluene	119	16.592	16.592	0.000	97	1136382	25.0	22.4	
110 1,3-Dichlorobenzene	146	16.678	16.678	0.000	99	650879	25.0	24.0	
111 1,4-Dichlorobenzene	146	16.781	16.781	0.000	95	654047	25.0	24.1	
115 n-Butylbenzene	91	17.103	17.103	0.000	98	958183	25.0	21.9	
116 1,2-Dichlorobenzene	146	17.268	17.268	0.000	98	658935	25.0	24.2	
117 1,2-Dibromo-3-Chloropropan	75	18.247	18.247	0.000	82	92443	25.0	21.4	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	95	452149	25.0	22.3	
120 Hexachlorobutadiene	225	19.470	19.470	0.000	98	152633	25.0	20.1	
121 Naphthalene	128	19.713	19.713	0.000	97	1504180	25.0	22.2	
122 1,2,3-Trichlorobenzene	180	20.072	20.072	0.000	96	430338	25.0	21.3	

Reagents:

8260 CORP mix_00083	Amount Added: 12.50	Units: uL	
GAS CORP mix_00181	Amount Added: 12.50	Units: uL	
P 8260 IS_00170	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00196	Amount Added: 1.25	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20160930-56891.b\\P0814.D

Injection Date: 30-Sep-2016 21:28:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL

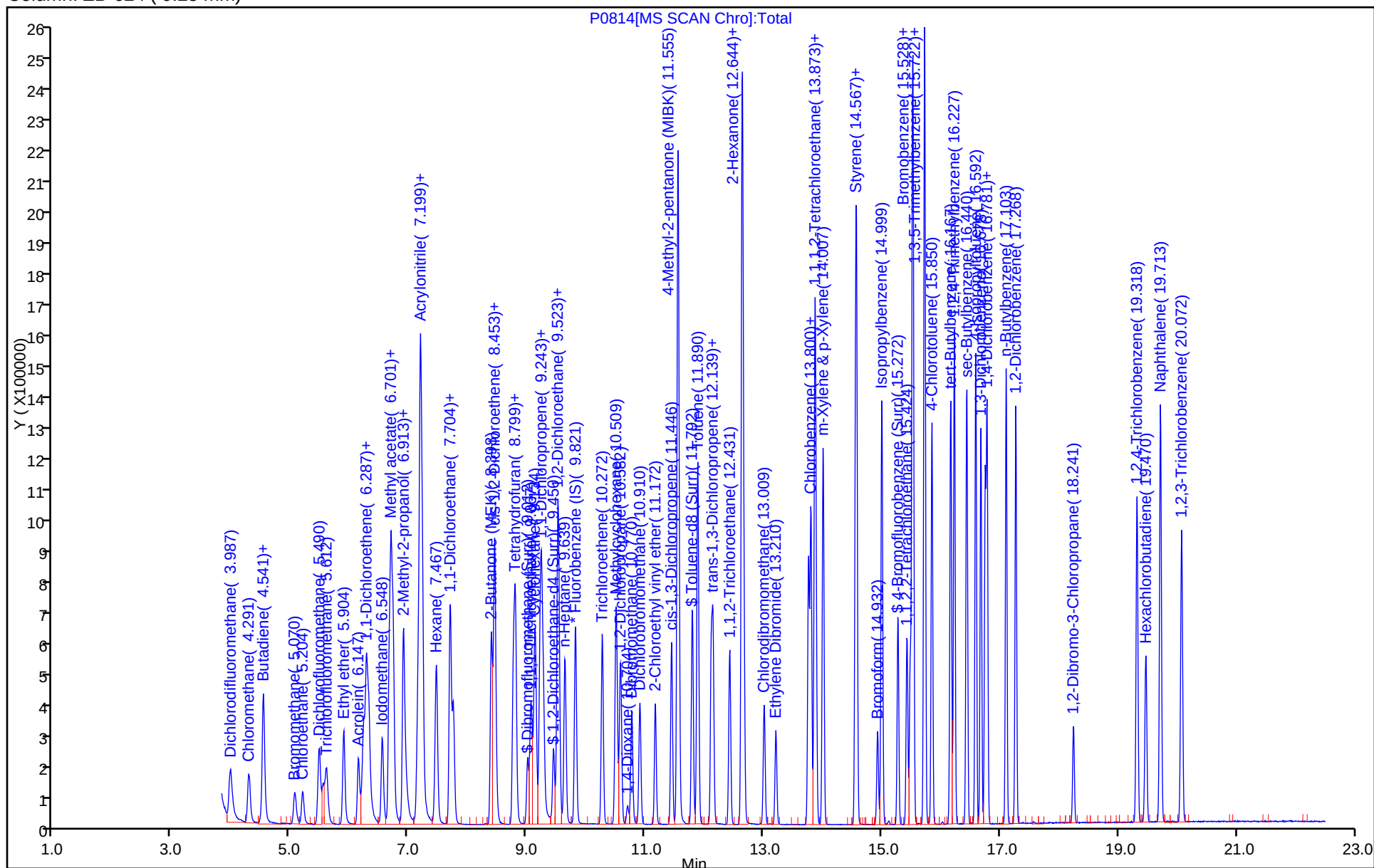
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: P-8260H2O

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.: 480-106799-1
SDG No.: _____
Lab Sample ID: CCV 480-323329/3 Calibration Date: 09/30/2016 21:55
Instrument ID: HP5973P Calib Start Date: 09/15/2016 15:01
GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 17:44
Lab File ID: P0815.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	1.232	1.095		22.2	25.0	-11.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8013	0.7366		23.0	25.0	-8.1	20.0
Toluene-d8 (Surr)	Ave	2.220	1.973		22.2	25.0	-11.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7606	0.7972		26.2	25.0	4.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0815.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 30-Sep-2016 21:55:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: 480-0056891-003
 Operator ID: SY Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub29
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:14:54 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: youngmans

Date: 30-Sep-2016 22:23:28

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	9.821	9.821	0.000	98	148211	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	293487	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	332901	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.012	0.000	92	162335	25.0	22.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	109176	25.0	23.0	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	579175	25.0	22.2	
\$ 6 4-Bromofluorobenzene (Surr	174	15.272	15.272	0.000	89	233953	25.0	26.2	
15 Chlorodifluoromethane	51	4.005	4.005	0.000	97	381684	25.0	23.9	
141 Ethanol	45	5.776	5.776	0.000	98	164152	1000.0	569.2	
26 Propene oxide	58	6.056	6.056	0.000	95	478138	NC	NC	
23 Isopropyl alcohol	45	6.433	6.433	0.000	98	294449	250.0	157.9	
29 Acetonitrile	40	6.725	6.725	0.000	99	327123	250.0	211.4	
37 Isopropyl ether	45	7.686	7.686	0.000	97	1089413	25.0	22.7	
39 1,1-Dimethoxyethane	75	7.783	7.783	0.000	99	348845	125.0	102.2	
41 2-Chloro-1,3-butadiene	53	7.850	7.850	0.000	95	471589	25.0	22.2	
42 Tert-butyl ethyl ether	59	8.124	8.124	0.000	99	968552	25.0	23.3	
46 Ethyl acetate	43	8.398	8.398	0.000	99	888140	50.0	43.2	
47 Propionitrile	54	8.525	8.525	0.000	99	658691	250.0	214.4	
48 Methacrylonitrile	41	8.696	8.696	0.000	96	2432883	250.0	216.0	
140 t-Amyl alcohol	59	9.353	9.353	0.000	95	460137	250.0	190.1	
146 Isooctane	57	9.487	9.487	0.000	97	760290	25.0	19.5	
58 Tert-amyl methyl ether	73	9.523	9.523	0.000	96	766616	25.0	23.6	
1 1,4-Difluorobenzene	114	9.900	9.900	0.000	95	747298	25.0	23.7	
61 n-Butanol	56	10.010	10.010	0.000	90	290789	625.0	399.7	
145 Ethyl acrylate	55	10.247	10.247	0.000	99	494450	25.0	22.1	
65 Methyl methacrylate	41	10.551	10.551	0.000	93	681932	50.0	43.0	
72 2-Nitropropane	43	11.178	11.178	0.000	97	264928	50.0	39.2	
74 Epichlorohydrin	57	11.342	11.342	0.000	99	453875	250.0	210.7	
149 n-Butyl acetate	43	12.729	12.729	0.000	98	668871	25.0	21.6	
84 3-Chlorobenzotrifluoride	180	13.611	13.611	0.000	93	379062	25.0	22.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
139 1-Chlorohexane	55	13.630	13.630	0.000	93	260945	25.0	21.2	
86 4-Chlorobenzotrifluoride	180	13.684	13.684	0.000	97	346207	25.0	22.3	
91 2-Chlorobenzotrifluoride	180	14.858	14.858	0.000	96	385003	25.0	22.2	
96 Cyclohexanone	55	15.248	15.248	0.000	95	167693	250.0	193.0	
104 3-Chlorotoluene	126	15.789	15.789	0.000	97	322963	25.0	23.4	
108 Pentachloroethane	167	16.282	16.282	0.000	91	167978	25.0	28.2	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	98	1127419	25.0	23.0	
114 Dicyclopentadiene	66	16.805	16.805	0.000	96	941333	25.0	21.2	
143 Benzyl chloride	126	16.939	16.939	0.000	99	180587	25.0	27.4	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	97	456853	25.0	22.3	
142 2-Methylnaphthalene	142	21.526	21.526	0.000	93	792099	25.0	18.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ADD CORP mix_00051

Amount Added: 12.50

Units: uL

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr_00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0815.D

Injection Date: 30-Sep-2016 21:55:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: CCV

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

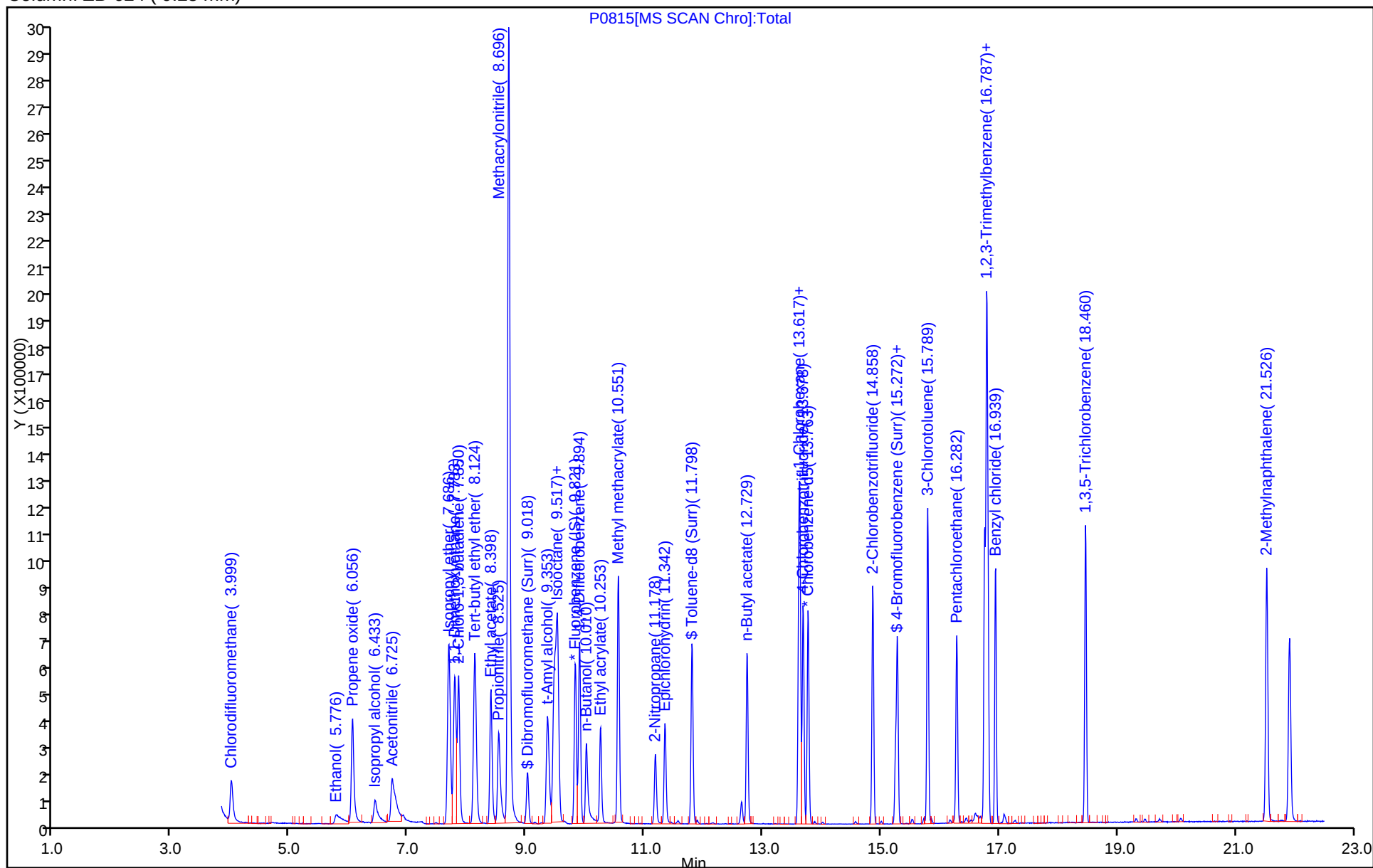
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: P-8260H2O

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.: 480-106799-1
 SDG No.: _____
 Lab Sample ID: CCV 480-323329/3 Calibration Date: 09/30/2016 21:55
 Instrument ID: HP5973P Calib Start Date: 09/15/2016 18:38
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 21:21
 Lab File ID: P0815.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	2.697	2.575		23.9	25.0	-4.5	20.0
Ethanol	Ave	0.0486	0.0277		569	1000	-43.1*	20.0
Isopropyl alcohol	Ave	0.3145	0.1987		158	250	-36.8*	20.0
Acetonitrile	Ave	0.2611	0.2207		211	250	-15.5	20.0
Isopropyl ether	Ave	8.099	7.350		22.7	25.0	-9.2	20.0
1,1-Dimethoxyethane	Ave	0.5755	0.4707		102	125	-18.2	20.0
Chloroprene	Ave	3.583	3.182		22.2	25.0	-11.2	20.0
Tert-butyl ethyl ether	Ave	7.017	6.535		23.3	25.0	-6.9	20.0
Ethyl acetate	Ave	3.466	2.996		43.2	50.0	-13.5	20.0
Propionitrile	Ave	0.5183	0.4444		214	250	-14.3	20.0
Methacrylonitrile	Ave	1.900	1.642		216	250	-13.6	20.0
t-Amyl alcohol	Ave	0.4083	0.3105		190	250	-24.0*	20.0
Isooctane	Ave	6.568	5.130		19.5	25.0	-21.9*	20.0
Tert-amyl methyl ether	Ave	5.480	5.172		23.6	25.0	-5.6	20.0
1,4-Difluorobenzene	Ave	5.326	5.042		23.7	25.0	-5.3	20.0
n-Butanol	Ave	0.1227	0.0785		400	625	-36.0*	20.0
Ethyl acrylate	Ave	3.771	3.336		22.1	25.0	-11.5	20.0
Methyl methacrylate	Ave	2.674	2.301		43.0	50.0	-14.0	20.0
2-Nitropropane	Ave	0.5078	0.3979		39.2	50.0	-21.6*	20.0
Epichlorohydrin	Ave	0.3633	0.3062		211	250	-15.7	20.0
n-Butyl acetate	Ave	2.634	2.279	0.1000	21.6	25.0	-13.5	20.0
3-Chlorobenzotrifluoride	Ave	1.264	1.139		22.5	25.0	-9.9	20.0
1-Chlorohexane	Ave	1.047	0.8891		21.2	25.0	-15.1	20.0
4-Chlorobenzotrifluoride	Ave	1.168	1.040		22.3	25.0	-10.9	20.0
2-Chlorobenzotrifluoride	Ave	1.300	1.157		22.2	25.0	-11.0	20.0
Cyclohexanone	Ave	0.0653	0.0504		193	250	-22.8*	20.0
3-Chlorotoluene	Ave	1.038	0.9702		23.4	25.0	-6.6	20.0
Pentachloroethane	Ave	0.4480	0.5046		28.2	25.0	12.6	20.0
1,2,3-Trimethylbenzene	Ave	3.673	3.387		23.0	25.0	-7.8	20.0
Dicyclopentadiene	Ave	3.340	2.828		21.2	25.0	-15.3	20.0
Benzyl chloride	Ave	0.4946	0.5425		27.4	25.0	9.7	20.0
1,3,5-Trichlorobenzene	Ave	1.537	1.372		22.3	25.0	-10.7	20.0
2-Methylnaphthalene	Ave	3.282	2.379		18.1	25.0	-27.5*	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0815.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 30-Sep-2016 21:55:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: 480-0056891-003
 Operator ID: SY Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub29
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:14:54 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: youngmans

Date: 30-Sep-2016 22:23:28

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	9.821	9.821	0.000	98	148211	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	293487	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	332901	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.012	0.000	92	162335	25.0	22.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	109176	25.0	23.0	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	579175	25.0	22.2	
\$ 6 4-Bromofluorobenzene (Surr	174	15.272	15.272	0.000	89	233953	25.0	26.2	
15 Chlorodifluoromethane	51	4.005	4.005	0.000	97	381684	25.0	23.9	
141 Ethanol	45	5.776	5.776	0.000	98	164152	1000.0	569.2	
26 Propene oxide	58	6.056	6.056	0.000	95	478138	NC	NC	
23 Isopropyl alcohol	45	6.433	6.433	0.000	98	294449	250.0	157.9	
29 Acetonitrile	40	6.725	6.725	0.000	99	327123	250.0	211.4	
37 Isopropyl ether	45	7.686	7.686	0.000	97	1089413	25.0	22.7	
39 1,1-Dimethoxyethane	75	7.783	7.783	0.000	99	348845	125.0	102.2	
41 2-Chloro-1,3-butadiene	53	7.850	7.850	0.000	95	471589	25.0	22.2	
42 Tert-butyl ethyl ether	59	8.124	8.124	0.000	99	968552	25.0	23.3	
46 Ethyl acetate	43	8.398	8.398	0.000	99	888140	50.0	43.2	
47 Propionitrile	54	8.525	8.525	0.000	99	658691	250.0	214.4	
48 Methacrylonitrile	41	8.696	8.696	0.000	96	2432883	250.0	216.0	
140 t-Amyl alcohol	59	9.353	9.353	0.000	95	460137	250.0	190.1	
146 Isooctane	57	9.487	9.487	0.000	97	760290	25.0	19.5	
58 Tert-amyl methyl ether	73	9.523	9.523	0.000	96	766616	25.0	23.6	
1 1,4-Difluorobenzene	114	9.900	9.900	0.000	95	747298	25.0	23.7	
61 n-Butanol	56	10.010	10.010	0.000	90	290789	625.0	399.7	
145 Ethyl acrylate	55	10.247	10.247	0.000	99	494450	25.0	22.1	
65 Methyl methacrylate	41	10.551	10.551	0.000	93	681932	50.0	43.0	
72 2-Nitropropane	43	11.178	11.178	0.000	97	264928	50.0	39.2	
74 Epichlorohydrin	57	11.342	11.342	0.000	99	453875	250.0	210.7	
149 n-Butyl acetate	43	12.729	12.729	0.000	98	668871	25.0	21.6	
84 3-Chlorobenzotrifluoride	180	13.611	13.611	0.000	93	379062	25.0	22.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
139 1-Chlorohexane	55	13.630	13.630	0.000	93	260945	25.0	21.2	
86 4-Chlorobenzotrifluoride	180	13.684	13.684	0.000	97	346207	25.0	22.3	
91 2-Chlorobenzotrifluoride	180	14.858	14.858	0.000	96	385003	25.0	22.2	
96 Cyclohexanone	55	15.248	15.248	0.000	95	167693	250.0	193.0	
104 3-Chlorotoluene	126	15.789	15.789	0.000	97	322963	25.0	23.4	
108 Pentachloroethane	167	16.282	16.282	0.000	91	167978	25.0	28.2	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	98	1127419	25.0	23.0	
114 Dicyclopentadiene	66	16.805	16.805	0.000	96	941333	25.0	21.2	
143 Benzyl chloride	126	16.939	16.939	0.000	99	180587	25.0	27.4	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	97	456853	25.0	22.3	
142 2-Methylnaphthalene	142	21.526	21.526	0.000	93	792099	25.0	18.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ADD CORP mix_00051

Amount Added: 12.50

Units: uL

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr_00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0815.D

Injection Date: 30-Sep-2016 21:55:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: CCV

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

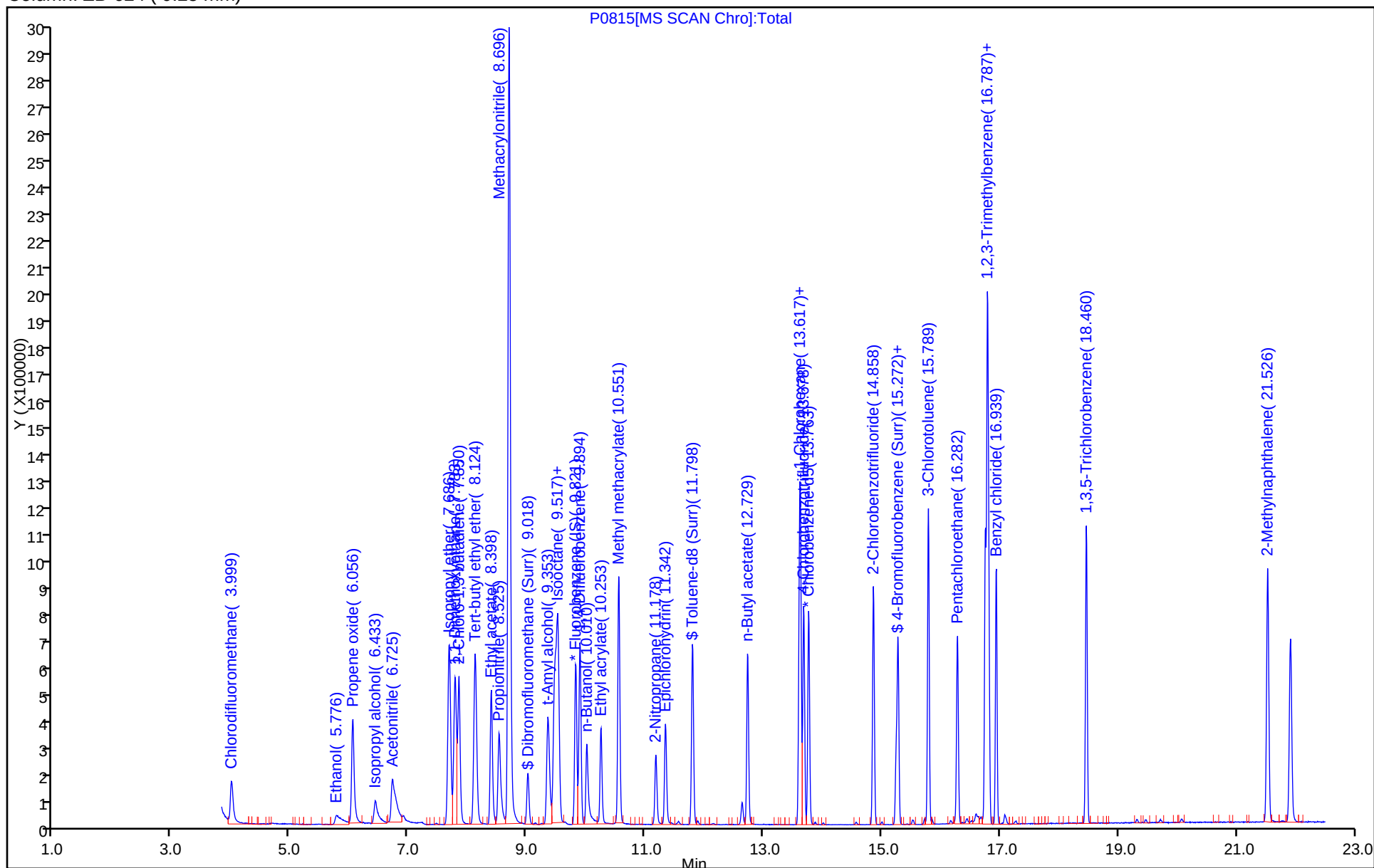
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: P-8260H2O

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.: 480-106799-1

SDG No.: _____

Lab Sample ID: CCVIS 480-323358/3 Calibration Date: 10/01/2016 10:16

Instrument ID: HP5973P Calib Start Date: 09/15/2016 15:01

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 17:44

Lab File ID: P0839.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	2.081	2.585	0.1000	31.1	25.0	24.2	50.0
Chloromethane	Ave	2.178	2.171	0.1000	24.9	25.0	-0.3	20.0
Vinyl chloride	Ave	1.578	1.525	0.1000	24.2	25.0	-3.3	20.0
Butadiene	Ave	1.708	1.644		24.1	25.0	-3.8	20.0
Bromomethane	Ave	0.6783	0.6255	0.1000	23.1	25.0	-7.8	50.0
Chloroethane	Ave	0.8415	0.6711	0.1000	19.9	25.0	-20.2	50.0
Dichlorofluoromethane	Ave	2.759	2.321		21.0	25.0	-15.9	20.0
Trichlorofluoromethane	Ave	2.917	3.051	0.1000	26.1	25.0	4.6	20.0
Ethyl ether	Ave	1.946	1.889		24.3	25.0	-2.9	20.0
Acrolein	Ave	0.4794	0.4409		115	125	-8.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.929	1.896	0.1000	24.6	25.0	-1.7	20.0
1,1-Dichloroethene	Ave	1.681	1.579	0.1000	23.5	25.0	-6.1	20.0
Acetone	Ave	1.027	1.098	0.1000	134	125	7.0	50.0
Iodomethane	Ave	3.224	3.175		24.6	25.0	-1.5	20.0
Carbon disulfide	Ave	5.676	5.165	0.1000	22.7	25.0	-9.0	20.0
Methyl acetate	Ave	2.692	2.420	0.1000	112	125	-10.1	50.0
Allyl chloride	Ave	3.973	3.421		21.5	25.0	-13.9	20.0
Methylene Chloride	Lin1		1.758	0.1000	24.7	25.0	-1.1	20.0
2-Methyl-2-propanol	Ave	0.4559	0.3941		216	250	-13.6	50.0
Methyl tert-butyl ether	Ave	5.703	5.576	0.1000	24.4	25.0	-2.2	20.0
Acrylonitrile	Ave	1.279	1.117		218	250	-12.7	20.0
trans-1,2-Dichloroethene	Ave	1.763	1.640	0.1000	23.3	25.0	-7.0	20.0
Hexane	Ave	3.149	2.735		21.7	25.0	-13.1	20.0
Vinyl acetate	Ave	5.822	5.537		47.6	50.0	-4.9	20.0
1,1-Dichloroethane	Ave	3.719	3.333	0.2000	22.4	25.0	-10.4	20.0
2-Butanone (MEK)	Ave	1.820	1.674	0.1000	115	125	-8.0	20.0
cis-1,2-Dichloroethene	Ave	1.931	1.796	0.1000	23.2	25.0	-7.0	20.0
2,2-Dichloropropane	Ave	2.555	2.666		26.1	25.0	4.4	20.0
Chlorobromomethane	Ave	0.997	0.9743		24.4	25.0	-2.3	20.0
Tetrahydrofuran	Ave	1.260	1.042		41.3	50.0	-17.3	20.0
Chloroform	Ave	2.995	2.825	0.2000	23.6	25.0	-5.7	20.0
1,1,1-Trichloroethane	Ave	2.697	2.669	0.1000	24.7	25.0	-1.0	20.0
Cyclohexane	Ave	4.196	3.754	0.1000	22.4	25.0	-10.5	20.0
Isobutyl alcohol	Ave	0.2046	0.1418		433	625	-30.7	50.0
1,1-Dichloropropene	Ave	2.352	2.214		23.5	25.0	-5.9	20.0
Carbon tetrachloride	Ave	2.524	2.622	0.1000	26.0	25.0	3.9	20.0
Benzene	Ave	6.811	6.157	0.5000	22.6	25.0	-9.6	20.0
1,2-Dichloroethane	Ave	2.818	2.776	0.1000	24.6	25.0	-1.5	20.0
n-Heptane	Ave	3.322	2.567		19.3	25.0	-22.7*	20.0
Trichloroethene	Ave	1.843	1.682	0.2000	22.8	25.0	-8.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-323358/3 Calibration Date: 10/01/2016 10:16
 Instrument ID: HP5973P Calib Start Date: 09/15/2016 15:01
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 17:44
 Lab File ID: P0839.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	3.014	2.578	0.1000	21.4	25.0	-14.5	20.0
1,2-Dichloropropane	Ave	1.988	1.776	0.1000	22.3	25.0	-10.7	20.0
1,4-Dioxane	Ave	0.0136	0.0138		505	500	1.0	50.0
Dibromomethane	Ave	1.218	1.187	0.1000	24.4	25.0	-2.6	20.0
Bromodichloromethane	Ave	2.184	2.088	0.2000	23.9	25.0	-4.4	20.0
2-Chloroethyl vinyl ether	Ave	1.589	1.372		21.6	25.0	-13.6	20.0
cis-1,3-Dichloropropene	Ave	2.823	2.631	0.2000	23.3	25.0	-6.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.772	1.579	0.1000	111	125	-10.9	20.0
Toluene	Ave	2.185	1.973	0.4000	22.6	25.0	-9.7	20.0
Ethyl methacrylate	Ave	1.281	1.154		22.5	25.0	-9.9	20.0
trans-1,3-Dichloropropene	Ave	1.298	1.281	0.1000	24.7	25.0	-1.3	20.0
1,1,2-Trichloroethane	Ave	0.6794	0.6369	0.1000	23.4	25.0	-6.3	20.0
Tetrachloroethene	Ave	0.9430	0.9239	0.2000	24.5	25.0	-2.0	20.0
2-Hexanone	Ave	1.218	1.134	0.1000	116	125	-6.9	20.0
1,3-Dichloropropane	Ave	1.321	1.274		24.1	25.0	-3.5	20.0
Dibromochloromethane	Ave	0.9272	0.9303	0.1000	25.1	25.0	0.3	20.0
1,2-Dibromoethane	Ave	0.9355	0.8968		24.0	25.0	-4.1	20.0
Chlorobenzene	Ave	2.437	2.324	0.5000	23.8	25.0	-4.6	20.0
Ethylbenzene	Ave	3.961	3.735	0.1000	23.6	25.0	-5.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.9139	0.9276		25.4	25.0	1.5	20.0
m,p-Xylene	Ave	1.693	1.534	0.1000	22.7	25.0	-9.4	20.0
o-Xylene	Ave	1.679	1.582	0.3000	23.6	25.0	-5.8	20.0
Styrene	Ave	2.658	2.468	0.3000	23.2	25.0	-7.1	20.0
Bromoform	Ave	0.6221	0.6150	0.1000	24.7	25.0	-1.1	50.0
Isopropylbenzene	Ave	4.024	3.452	0.1000	21.5	25.0	-14.2	20.0
1,1,2,2-Tetrachloroethane	Ave	1.213	1.065	0.3000	21.9	25.0	-12.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.5423	0.4635		21.4	25.0	-14.5	50.0
1,2,3-Trichloropropane	Ave	0.3731	0.3324		22.3	25.0	-10.9	20.0
Bromobenzene	Ave	0.9904	0.9100		23.0	25.0	-8.1	20.0
N-Propylbenzene	Ave	4.506	3.932		21.8	25.0	-12.7	20.0
2-Chlorotoluene	Ave	0.9707	0.8488		21.9	25.0	-12.6	20.0
1,3,5-Trimethylbenzene	Ave	3.321	2.922		22.0	25.0	-12.0	20.0
4-Chlorotoluene	Ave	1.016	0.8983		22.1	25.0	-11.6	20.0
tert-Butylbenzene	Ave	0.7591	0.6469		21.3	25.0	-14.8	20.0
1,2,4-Trimethylbenzene	Ave	3.531	3.128		22.1	25.0	-11.4	20.0
sec-Butylbenzene	Ave	4.347	3.674		21.1	25.0	-15.5	20.0
4-Isopropyltoluene	Ave	3.821	3.292		21.5	25.0	-13.9	20.0
1,3-Dichlorobenzene	Ave	2.046	1.859	0.6000	22.7	25.0	-9.1	20.0
1,4-Dichlorobenzene	Ave	2.045	1.882	0.5000	23.0	25.0	-7.9	20.0
n-Butylbenzene	Ave	3.295	2.775		21.1	25.0	-15.8	20.0
1,2-Dichlorobenzene	Ave	2.054	1.873	0.4000	22.8	25.0	-8.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-323358/3 Calibration Date: 10/01/2016 10:16
 Instrument ID: HP5973P Calib Start Date: 09/15/2016 15:01
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 17:44
 Lab File ID: P0839.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	0.3258	0.2747	0.0500	21.1	25.0	-15.7	50.0
1,2,4-Trichlorobenzene	Ave	1.532	1.317	0.2000	21.5	25.0	-14.0	20.0
Hexachlorobutadiene	Ave	0.5740	0.4520		19.7	25.0	-21.3*	20.0
Naphthalene	Ave	5.118	4.356		21.3	25.0	-14.9	20.0
1,2,3-Trichlorobenzene	Ave	1.524	1.222		20.1	25.0	-19.8	20.0
Dibromofluoromethane (Surr)	Ave	1.232	1.119		22.7	25.0	-9.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8013	0.6976		21.8	25.0	-12.9	20.0
Toluene-d8 (Surr)	Ave	2.220	2.021		22.8	25.0	-9.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7606	0.7925		26.1	25.0	4.2	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0839.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 01-Oct-2016 10:16:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0056898-003
 Operator ID: gtg Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:43:24 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 10:43:23

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	9.821	9.821	0.000	98	146252	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.764	0.000	85	287225	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.751	0.000	95	330033	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.006	9.006	0.000	93	163681	25.0	22.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.450	9.450	0.000	0	102019	25.0	21.8	
\$ 5 Toluene-d8 (Surr)	98	11.799	11.799	0.000	93	580478	25.0	22.8	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	91	227631	25.0	26.1	
10 Dichlorodifluoromethane	85	3.993	3.993	0.000	99	377988	25.0	31.1	
11 Chloromethane	50	4.304	4.304	0.000	99	317527	25.0	24.9	
17 Vinyl chloride	62	4.535	4.535	0.000	98	223086	25.0	24.2	
144 Butadiene	54	4.553	4.553	0.000	94	240424	25.0	24.1	
12 Bromomethane	94	5.070	5.070	0.000	92	91474	25.0	23.1	
13 Chloroethane	64	5.204	5.204	0.000	97	98151	25.0	19.9	
19 Dichlorofluoromethane	67	5.490	5.490	0.000	98	339420	25.0	21.0	
14 Trichlorofluoromethane	101	5.612	5.612	0.000	99	446271	25.0	26.1	
20 Ethyl ether	59	5.904	5.904	0.000	99	276331	25.0	24.3	
22 Acrolein	56	6.153	6.153	0.000	99	322381	125.0	114.9	
16 1,1,2-Trichloro-1,2,2-trif	101	6.238	6.238	0.000	95	277309	25.0	24.6	
25 1,1-Dichloroethene	96	6.287	6.287	0.000	94	230887	25.0	23.5	
24 Acetone	43	6.329	6.329	0.000	99	802972	125.0	133.7	
18 Iodomethane	142	6.555	6.555	0.000	100	464368	25.0	24.6	
27 Carbon disulfide	76	6.670	6.670	0.000	100	755345	25.0	22.7	
30 Methyl acetate	43	6.701	6.701	0.000	100	1769556	125.0	112.3	
28 3-Chloro-1-propene	41	6.737	6.737	0.000	82	500332	25.0	21.5	
31 Methylene Chloride	84	6.913	6.913	0.000	95	257111	25.0	24.7	
33 2-Methyl-2-propanol	59	6.938	6.938	0.000	98	576355	250.0	216.1	
32 Methyl tert-butyl ether	73	7.169	7.169	0.000	99	815556	25.0	24.4	
34 Acrylonitrile	53	7.205	7.205	0.000	98	1634203	250.0	218.4	
35 trans-1,2-Dichloroethene	96	7.236	7.236	0.000	93	239816	25.0	23.3	
36 Hexane	57	7.467	7.467	0.000	95	400004	25.0	21.7	

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	7.704	7.704	0.000	97	1619716	50.0	47.6	
40 1,1-Dichloroethane	63	7.753	7.753	0.000	97	487490	25.0	22.4	
44 2-Butanone (MEK)	43	8.398	8.398	0.000	98	1224293	125.0	115.0	
43 cis-1,2-Dichloroethene	96	8.453	8.453	0.000	86	262697	25.0	23.2	
45 2,2-Dichloropropane	77	8.459	8.459	0.000	89	389964	25.0	26.1	
50 Chlorobromomethane	128	8.769	8.769	0.000	93	142486	25.0	24.4	
51 Tetrahydrofuran	42	8.793	8.793	0.000	92	304734	50.0	41.3	
49 Chloroform	83	8.805	8.805	0.000	94	413134	25.0	23.6	
52 1,1,1-Trichloroethane	97	9.073	9.073	0.000	98	390355	25.0	24.7	
54 Cyclohexane	56	9.140	9.140	0.000	94	549002	25.0	22.4	
53 Isobutyl alcohol	43	9.213	9.213	0.000	97	518376	625.0	433.0	
56 1,1-Dichloropropene	75	9.237	9.237	0.000	90	323773	25.0	23.5	
55 Carbon tetrachloride	117	9.274	9.274	0.000	96	383476	25.0	26.0	
57 Benzene	78	9.523	9.523	0.000	98	900498	25.0	22.6	
60 1,2-Dichloroethane	62	9.542	9.542	0.000	96	406013	25.0	24.6	
59 n-Heptane	43	9.639	9.639	0.000	98	375365	25.0	19.3	
62 Trichloroethene	95	10.272	10.272	0.000	94	246052	25.0	22.8	
64 Methylcyclohexane	83	10.515	10.515	0.000	97	376979	25.0	21.4	
63 1,2-Dichloropropane	63	10.582	10.582	0.000	93	259796	25.0	22.3	
68 1,4-Dioxane	88	10.704	10.704	0.000	97	79186	500.0	505.1	
69 Dibromomethane	93	10.770	10.770	0.000	95	173538	25.0	24.4	
70 Dichlorobromomethane	83	10.910	10.910	0.000	96	305371	25.0	23.9	
71 2-Chloroethyl vinyl ether	63	11.172	11.172	0.000	92	200722	25.0	21.6	
73 cis-1,3-Dichloropropene	75	11.446	11.446	0.000	91	384851	25.0	23.3	
75 4-Methyl-2-pentanone (MIBK)	43	11.555	11.555	0.000	98	2267021	125.0	111.4	
76 Toluene	92	11.890	11.890	0.000	97	566725	25.0	22.6	
77 Ethyl methacrylate	69	12.121	12.121	0.000	93	331343	25.0	22.5	
78 trans-1,3-Dichloropropene	75	12.151	12.151	0.000	94	367828	25.0	24.7	
79 1,1,2-Trichloroethane	83	12.431	12.431	0.000	94	182922	25.0	23.4	
80 Tetrachloroethene	166	12.632	12.632	0.000	95	265377	25.0	24.5	
83 2-Hexanone	43	12.644	12.644	0.000	99	1628769	125.0	116.4	
82 1,3-Dichloropropane	76	12.669	12.669	0.000	98	365945	25.0	24.1	
81 Chlorodibromomethane	129	13.009	13.009	0.000	91	267211	25.0	25.1	
85 Ethylene Dibromide	107	13.210	13.210	0.000	99	257584	25.0	24.0	
87 Chlorobenzene	112	13.800	13.800	0.000	94	667577	25.0	23.8	
89 Ethylbenzene	91	13.867	13.867	0.000	98	1072811	25.0	23.6	
88 1,1,1,2-Tetrachloroethane	131	13.885	13.885	0.000	95	266418	25.0	25.4	
90 m-Xylene & p-Xylene	106	14.007	14.007	0.000	0	440662	25.0	22.7	
93 o-Xylene	106	14.561	14.561	0.000	97	454265	25.0	23.6	
94 Styrene	104	14.579	14.579	0.000	96	708858	25.0	23.2	
92 Bromoform	173	14.932	14.932	0.000	96	176655	25.0	24.7	
95 Isopropylbenzene	105	15.005	15.005	0.000	96	1139393	25.0	21.5	
97 1,1,2,2-Tetrachloroethane	83	15.424	15.424	0.000	96	351379	25.0	21.9	
98 trans-1,4-Dichloro-2-buten	53	15.479	15.479	0.000	82	152959	25.0	21.4	
101 1,2,3-Trichloropropane	110	15.516	15.516	0.000	62	109716	25.0	22.3	
100 Bromobenzene	156	15.516	15.516	0.000	93	300319	25.0	23.0	
99 N-Propylbenzene	91	15.534	15.534	0.000	98	1297672	25.0	21.8	
103 2-Chlorotoluene	126	15.722	15.722	0.000	96	280120	25.0	21.9	
102 1,3,5-Trimethylbenzene	105	15.729	15.729	0.000	95	964303	25.0	22.0	
105 4-Chlorotoluene	126	15.850	15.850	0.000	98	296479	25.0	22.1	
106 tert-Butylbenzene	134	16.167	16.167	0.000	94	213484	25.0	21.3	
107 1,2,4-Trimethylbenzene	105	16.227	16.227	0.000	97	1032451	25.0	22.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.440	16.440	0.000	94	1212427	25.0	21.1	
112 4-Isopropyltoluene	119	16.592	16.592	0.000	97	1086418	25.0	21.5	
110 1,3-Dichlorobenzene	146	16.678	16.678	0.000	99	613445	25.0	22.7	
111 1,4-Dichlorobenzene	146	16.781	16.781	0.000	94	621250	25.0	23.0	
115 n-Butylbenzene	91	17.103	17.103	0.000	98	915754	25.0	21.1	
116 1,2-Dichlorobenzene	146	17.268	17.268	0.000	97	618126	25.0	22.8	
117 1,2-Dibromo-3-Chloropropan	75	18.241	18.241	0.000	81	90660	25.0	21.1	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	95	434706	25.0	21.5	
120 Hexachlorobutadiene	225	19.470	19.470	0.000	97	149174	25.0	19.7	
121 Naphthalene	128	19.713	19.713	0.000	97	1437680	25.0	21.3	
122 1,2,3-Trichlorobenzene	180	20.072	20.072	0.000	96	403401	25.0	20.1	

Reagents:

8260 CORP mix_00083

Amount Added: 12.50

Units: uL

GAS CORP mix_00181

Amount Added: 12.50

Units: uL

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20161001-56898.b\\P0839.D

Injection Date: 01-Oct-2016 10:16:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

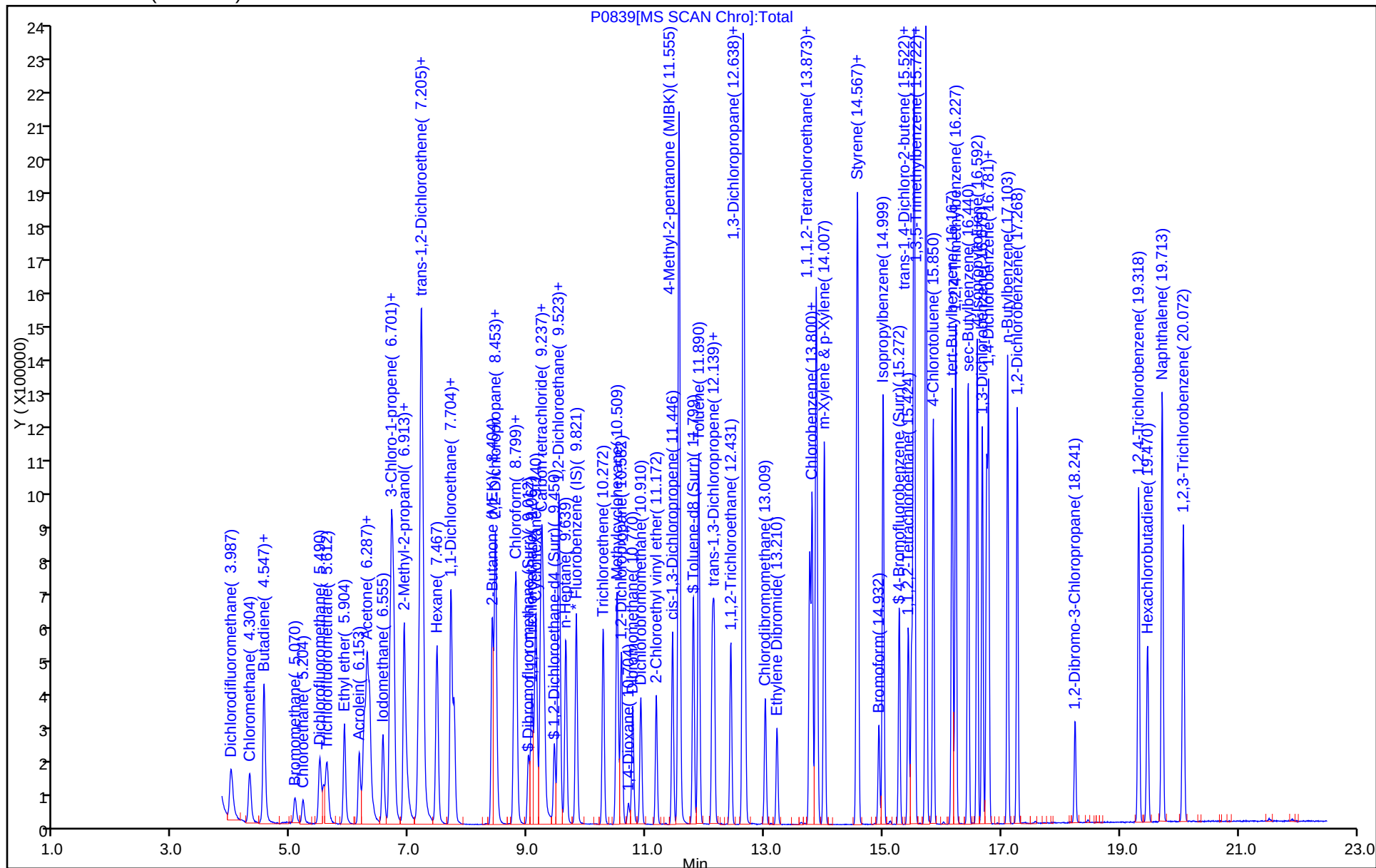
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: P-8260H2O

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.: 480-106799-1
SDG No.: _____
Lab Sample ID: CCV 480-323358/4 Calibration Date: 10/01/2016 10:43
Instrument ID: HP5973P Calib Start Date: 09/15/2016 15:01
GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 17:44
Lab File ID: P0840.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	1.232	1.152		23.4	25.0	-6.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8013	0.7584		23.7	25.0	-5.4	20.0
Toluene-d8 (Surr)	Ave	2.220	1.980		22.3	25.0	-10.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7606	0.7995		26.3	25.0	5.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0840.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 01-Oct-2016 10:43:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: 480-0056898-004
 Operator ID: gtg Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub29
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 12:01:03 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 12:01:02

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	9.827	9.827	0.000	98	138772	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	284720	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	325043	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	159911	25.0	23.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	105244	25.0	23.7	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	563831	25.0	22.3	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	89	227644	25.0	26.3	
15 Chlorodifluoromethane	51	4.011	4.011	0.000	97	375630	25.0	25.1	
141 Ethanol	45	5.782	5.782	0.000	98	225391	1000.0	834.7	
26 Propene oxide	58	6.055	6.055	0.000	95	473813	NC	NC	
23 Isopropyl alcohol	45	6.439	6.439	0.000	99	381821	250.0	218.7	
29 Acetonitrile	40	6.731	6.731	0.000	99	313293	250.0	216.2	
37 Isopropyl ether	45	7.686	7.686	0.000	97	1064628	25.0	23.7	
39 1,1-Dimethoxyethane	75	7.789	7.789	0.000	99	366518	125.0	114.7	
41 2-Chloro-1,3-butadiene	53	7.850	7.850	0.000	95	467187	25.0	23.5	
42 Tert-butyl ethyl ether	59	8.124	8.124	0.000	99	922474	25.0	23.7	
46 Ethyl acetate	43	8.398	8.398	0.000	99	887063	50.0	46.1	
47 Propionitrile	54	8.525	8.525	0.000	99	626223	250.0	217.7	
48 Methacrylonitrile	41	8.702	8.702	0.000	97	2379301	250.0	225.6	
140 t-Amyl alcohol	59	9.359	9.359	0.000	95	467402	250.0	206.2	
146 Isooctane	57	9.481	9.481	0.000	91	765622	25.0	21.0	
58 Tert-amyl methyl ether	73	9.523	9.523	0.000	95	737967	25.0	24.3	
1 1,4-Difluorobenzene	114	9.894	9.894	0.000	95	722407	25.0	24.4	
61 n-Butanol	56	10.016	10.016	0.000	90	327396	625.0	480.6	
145 Ethyl acrylate	55	10.253	10.253	0.000	99	484909	25.0	23.2	
65 Methyl methacrylate	41	10.551	10.551	0.000	93	670396	50.0	45.2	
72 2-Nitropropane	43	11.184	11.184	0.000	98	265820	50.0	40.3	
74 Epichlorohydrin	57	11.342	11.342	0.000	99	459653	250.0	227.9	
149 n-Butyl acetate	43	12.735	12.735	0.000	98	652964	25.0	21.8	
84 3-Chlorobenzotrifluoride	180	13.611	13.611	0.000	94	366291	25.0	22.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
139 1-Chlorohexane	55	13.630	13.630	0.000	92	262987	25.0	22.0	
86 4-Chlorobenzotrifluoride	180	13.684	13.684	0.000	96	339441	25.0	22.4	
91 2-Chlorobenzotrifluoride	180	14.858	14.858	0.000	96	379216	25.0	22.4	
96 Cyclohexanone	55	15.248	15.248	0.000	95	174420	250.0	205.6	
104 3-Chlorotoluene	126	15.789	15.789	0.000	97	304911	25.0	22.6	
108 Pentachloroethane	167	16.282	16.282	0.000	91	166691	25.0	28.6	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	98	1085396	25.0	22.7	
114 Dicyclopentadiene	66	16.805	16.805	0.000	96	932969	25.0	21.5	
143 Benzyl chloride	126	16.939	16.939	0.000	99	176872	25.0	27.5	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	97	445704	25.0	22.3	
142 2-Methylnaphthalene	142	21.526	21.526	0.000	93	783457	25.0	18.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ADD CORP mix_00051

Amount Added: 12.50

Units: uL

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr_00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20161001-56898.b\\P0840.D

Injection Date: 01-Oct-2016 10:43:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: CCV

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

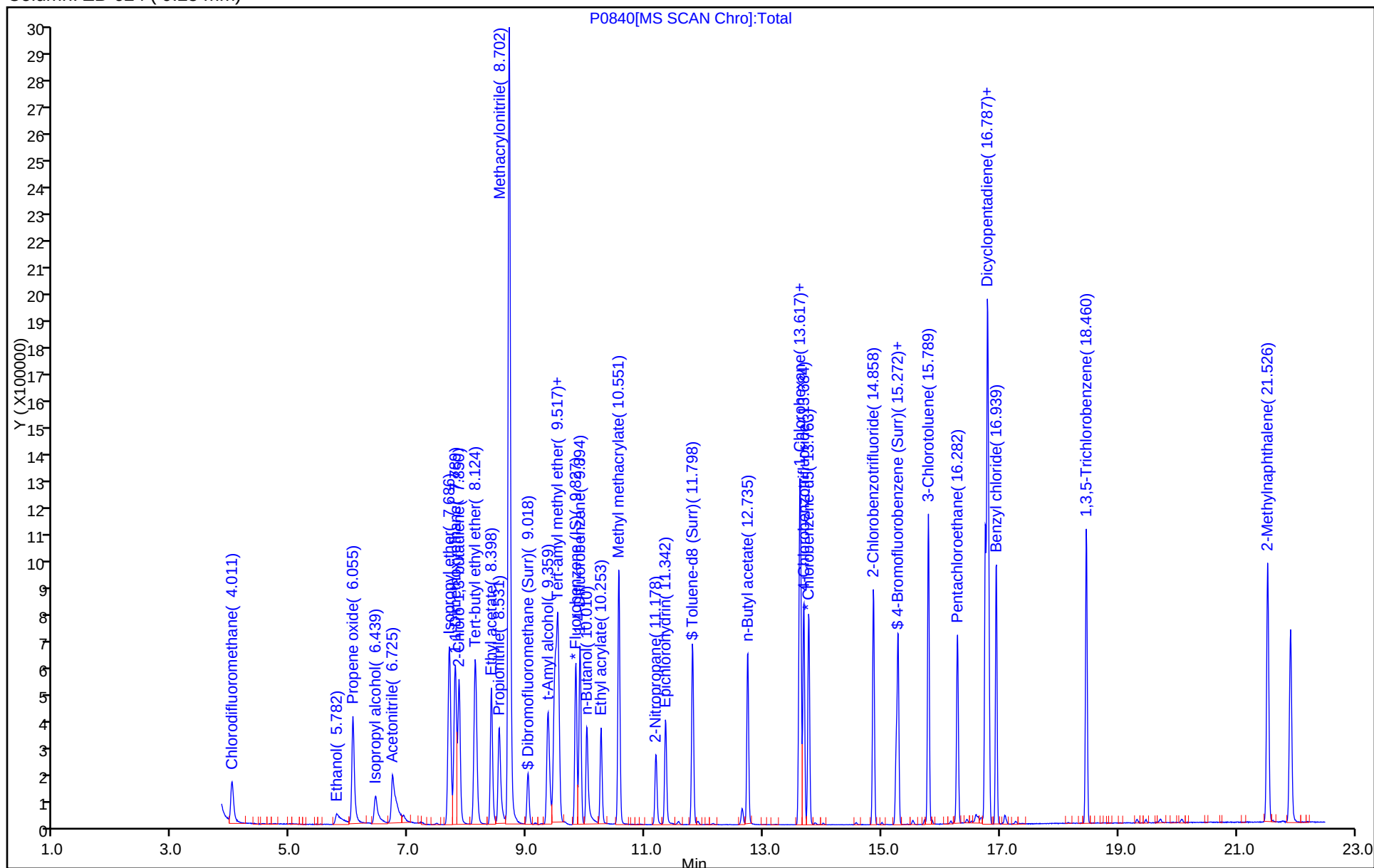
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: P-8260H2O

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.: 480-106799-1
 SDG No.: _____
 Lab Sample ID: CCV 480-323358/4 Calibration Date: 10/01/2016 10:43
 Instrument ID: HP5973P Calib Start Date: 09/15/2016 18:38
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 21:21
 Lab File ID: P0840.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	2.697	2.707		25.1	25.0	0.4	20.0
Ethanol	Ave	0.0486	0.0406		835	1000	-16.5	20.0
Isopropyl alcohol	Ave	0.3145	0.2751		219	250	-12.5	20.0
Acetonitrile	Ave	0.2611	0.2258		216	250	-13.5	20.0
Isopropyl ether	Ave	8.099	7.672		23.7	25.0	-5.3	20.0
1,1-Dimethoxyethane	Ave	0.5755	0.5282		115	125	-8.2	20.0
Chloroprene	Ave	3.583	3.367		23.5	25.0	-6.0	20.0
Tert-butyl ethyl ether	Ave	7.017	6.647		23.7	25.0	-5.3	20.0
Ethyl acetate	Ave	3.466	3.196		46.1	50.0	-7.8	20.0
Propionitrile	Ave	0.5183	0.4513		218	250	-12.9	20.0
Methacrylonitrile	Ave	1.900	1.715		226	250	-9.7	20.0
t-Amyl alcohol	Ave	0.4083	0.3368		206	250	-17.5	20.0
Isooctane	Ave	6.568	5.517		21.0	25.0	-16.0	20.0
Tert-amyl methyl ether	Ave	5.480	5.318		24.3	25.0	-3.0	20.0
1,4-Difluorobenzene	Ave	5.326	5.206		24.4	25.0	-2.3	20.0
n-Butanol	Ave	0.1227	0.0944		481	625	-23.1*	20.0
Ethyl acrylate	Ave	3.771	3.494		23.2	25.0	-7.3	20.0
Methyl methacrylate	Ave	2.674	2.415		45.2	50.0	-9.7	20.0
2-Nitropropane	Ave	0.5078	0.4089		40.3	50.0	-19.5	20.0
Epichlorohydrin	Ave	0.3633	0.3312		228	250	-8.8	20.0
n-Butyl acetate	Ave	2.634	2.293	0.1000	21.8	25.0	-12.9	20.0
3-Chlorobenzotrifluoride	Ave	1.264	1.127		22.3	25.0	-10.9	20.0
1-Chlorohexane	Ave	1.047	0.9237		22.0	25.0	-11.8	20.0
4-Chlorobenzotrifluoride	Ave	1.168	1.044		22.4	25.0	-10.6	20.0
2-Chlorobenzotrifluoride	Ave	1.300	1.167		22.4	25.0	-10.2	20.0
Cyclohexanone	Ave	0.0653	0.0537		206	250	-17.8	20.0
3-Chlorotoluene	Ave	1.038	0.9381		22.6	25.0	-9.7	20.0
Pentachloroethane	Ave	0.4480	0.5128		28.6	25.0	14.5	20.0
1,2,3-Trimethylbenzene	Ave	3.673	3.339		22.7	25.0	-9.1	20.0
Dicyclopentadiene	Ave	3.340	2.870		21.5	25.0	-14.1	20.0
Benzyl chloride	Ave	0.4946	0.5442		27.5	25.0	10.0	20.0
1,3,5-Trichlorobenzene	Ave	1.537	1.371		22.3	25.0	-10.8	20.0
2-Methylnaphthalene	Ave	3.282	2.410		18.4	25.0	-26.6*	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0840.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 01-Oct-2016 10:43:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: 480-0056898-004
 Operator ID: gtg Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub29
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 12:01:03 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 12:01:02

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	9.827	9.827	0.000	98	138772	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	284720	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	325043	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	159911	25.0	23.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	105244	25.0	23.7	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	563831	25.0	22.3	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	89	227644	25.0	26.3	
15 Chlorodifluoromethane	51	4.011	4.011	0.000	97	375630	25.0	25.1	
141 Ethanol	45	5.782	5.782	0.000	98	225391	1000.0	834.7	
26 Propene oxide	58	6.055	6.055	0.000	95	473813	NC	NC	
23 Isopropyl alcohol	45	6.439	6.439	0.000	99	381821	250.0	218.7	
29 Acetonitrile	40	6.731	6.731	0.000	99	313293	250.0	216.2	
37 Isopropyl ether	45	7.686	7.686	0.000	97	1064628	25.0	23.7	
39 1,1-Dimethoxyethane	75	7.789	7.789	0.000	99	366518	125.0	114.7	
41 2-Chloro-1,3-butadiene	53	7.850	7.850	0.000	95	467187	25.0	23.5	
42 Tert-butyl ethyl ether	59	8.124	8.124	0.000	99	922474	25.0	23.7	
46 Ethyl acetate	43	8.398	8.398	0.000	99	887063	50.0	46.1	
47 Propionitrile	54	8.525	8.525	0.000	99	626223	250.0	217.7	
48 Methacrylonitrile	41	8.702	8.702	0.000	97	2379301	250.0	225.6	
140 t-Amyl alcohol	59	9.359	9.359	0.000	95	467402	250.0	206.2	
146 Isooctane	57	9.481	9.481	0.000	91	765622	25.0	21.0	
58 Tert-amyl methyl ether	73	9.523	9.523	0.000	95	737967	25.0	24.3	
1 1,4-Difluorobenzene	114	9.894	9.894	0.000	95	722407	25.0	24.4	
61 n-Butanol	56	10.016	10.016	0.000	90	327396	625.0	480.6	
145 Ethyl acrylate	55	10.253	10.253	0.000	99	484909	25.0	23.2	
65 Methyl methacrylate	41	10.551	10.551	0.000	93	670396	50.0	45.2	
72 2-Nitropropane	43	11.184	11.184	0.000	98	265820	50.0	40.3	
74 Epichlorohydrin	57	11.342	11.342	0.000	99	459653	250.0	227.9	
149 n-Butyl acetate	43	12.735	12.735	0.000	98	652964	25.0	21.8	
84 3-Chlorobenzotrifluoride	180	13.611	13.611	0.000	94	366291	25.0	22.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
139 1-Chlorohexane	55	13.630	13.630	0.000	92	262987	25.0	22.0	
86 4-Chlorobenzotrifluoride	180	13.684	13.684	0.000	96	339441	25.0	22.4	
91 2-Chlorobenzotrifluoride	180	14.858	14.858	0.000	96	379216	25.0	22.4	
96 Cyclohexanone	55	15.248	15.248	0.000	95	174420	250.0	205.6	
104 3-Chlorotoluene	126	15.789	15.789	0.000	97	304911	25.0	22.6	
108 Pentachloroethane	167	16.282	16.282	0.000	91	166691	25.0	28.6	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	98	1085396	25.0	22.7	
114 Dicyclopentadiene	66	16.805	16.805	0.000	96	932969	25.0	21.5	
143 Benzyl chloride	126	16.939	16.939	0.000	99	176872	25.0	27.5	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	97	445704	25.0	22.3	
142 2-Methylnaphthalene	142	21.526	21.526	0.000	93	783457	25.0	18.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ADD CORP mix_00051

Amount Added: 12.50

Units: uL

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr_00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0840.D

Injection Date: 01-Oct-2016 10:43:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: CCV

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

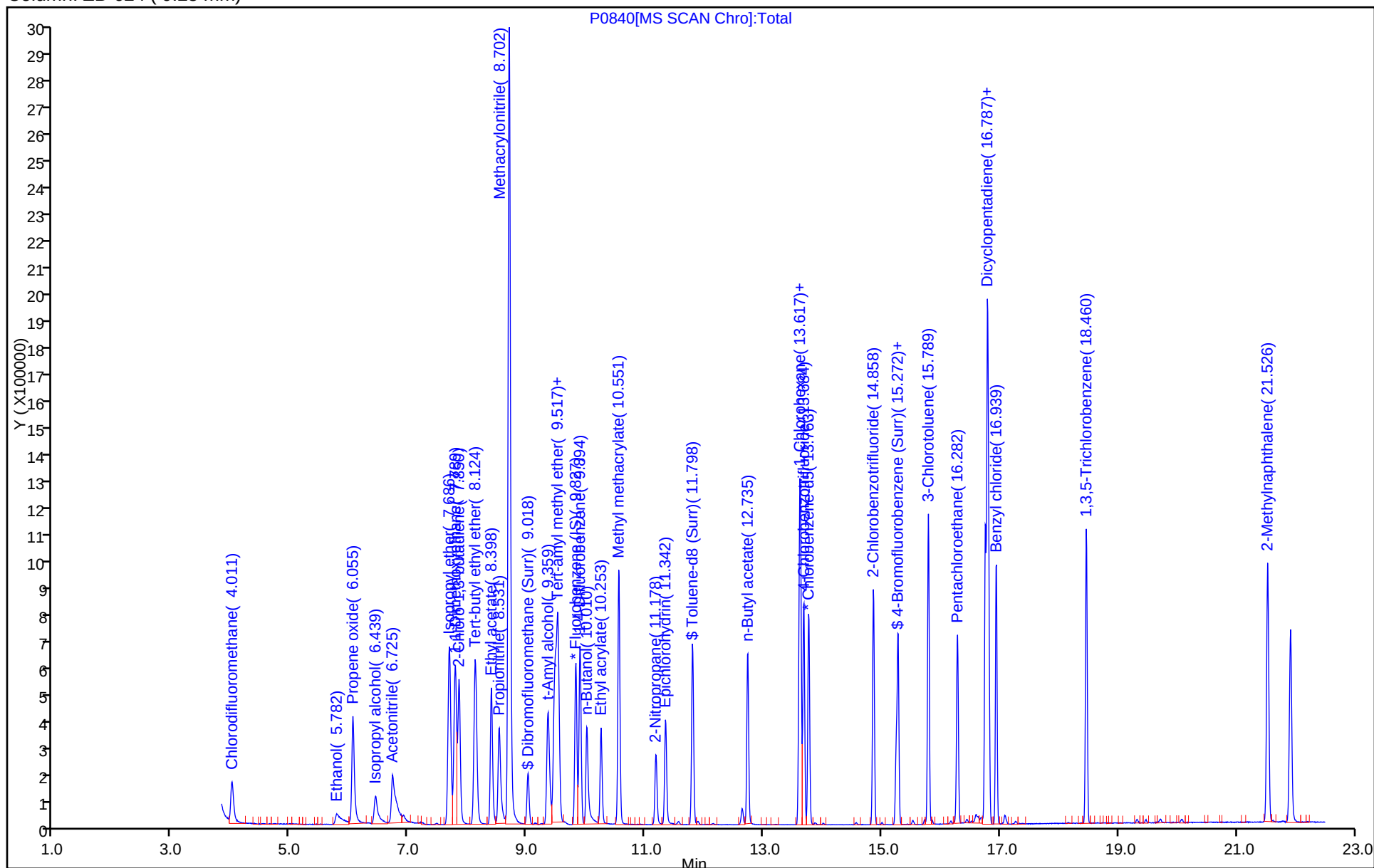
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: P-8260H2O

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.: 480-106799-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-323586/3 Calibration Date: 10/03/2016 18:58
 Instrument ID: HP5973P Calib Start Date: 09/15/2016 15:01
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 17:44
 Lab File ID: P0899.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	2.081	2.158	0.1000	25.9	25.0	3.7	50.0
Chloromethane	Ave	2.178	1.875	0.1000	21.5	25.0	-13.9	20.0
Vinyl chloride	Ave	1.578	1.314	0.1000	20.8	25.0	-16.7	20.0
Butadiene	Ave	1.708	1.385		20.3	25.0	-18.9	20.0
Bromomethane	Ave	0.6783	0.7158	0.1000	26.4	25.0	5.5	50.0
Chloroethane	Ave	0.8415	0.9318	0.1000	27.7	25.0	10.7	50.0
Dichlorofluoromethane	Ave	2.759	2.888		26.2	25.0	4.7	20.0
Trichlorofluoromethane	Ave	2.917	3.042	0.1000	26.1	25.0	4.3	20.0
Ethyl ether	Ave	1.946	1.900		24.4	25.0	-2.4	20.0
Acrolein	Ave	0.4794	0.4556		119	125	-5.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.929	1.898	0.1000	24.6	25.0	-1.6	20.0
1,1-Dichloroethene	Ave	1.681	1.619	0.1000	24.1	25.0	-3.7	20.0
Acetone	Ave	1.027	0.9784	0.1000	119	125	-4.7	50.0
Iodomethane	Ave	3.224	3.277		25.4	25.0	1.6	20.0
Carbon disulfide	Ave	5.676	6.418	0.1000	28.3	25.0	13.1	20.0
Methyl acetate	Ave	2.692	2.441	0.1000	113	125	-9.3	50.0
Allyl chloride	Ave	3.973	3.535		22.2	25.0	-11.0	20.0
Methylene Chloride	Lin1		1.803	0.1000	25.4	25.0	1.6	20.0
2-Methyl-2-propanol	Ave	0.4559	0.4045		222	250	-11.3	50.0
Methyl tert-butyl ether	Ave	5.703	5.556	0.1000	24.4	25.0	-2.6	20.0
Acrylonitrile	Ave	1.279	1.150		225	250	-10.1	20.0
trans-1,2-Dichloroethene	Ave	1.763	1.664	0.1000	23.6	25.0	-5.6	20.0
Hexane	Ave	3.149	2.678		21.3	25.0	-15.0	20.0
Vinyl acetate	Ave	5.822	5.621		48.3	50.0	-3.5	20.0
1,1-Dichloroethane	Ave	3.719	3.457	0.2000	23.2	25.0	-7.1	20.0
2-Butanone (MEK)	Ave	1.820	1.639	0.1000	113	125	-9.9	20.0
cis-1,2-Dichloroethene	Ave	1.931	1.869	0.1000	24.2	25.0	-3.2	20.0
2,2-Dichloropropane	Ave	2.555	2.702		26.4	25.0	5.7	20.0
Chlorobromomethane	Ave	0.997	1.036		26.0	25.0	3.8	20.0
Tetrahydrofuran	Ave	1.260	1.071		42.5	50.0	-15.0	20.0
Chloroform	Ave	2.995	2.941	0.2000	24.6	25.0	-1.8	20.0
1,1,1-Trichloroethane	Ave	2.697	2.740	0.1000	25.4	25.0	1.6	20.0
Cyclohexane	Ave	4.196	3.763	0.1000	22.4	25.0	-10.3	20.0
Isobutyl alcohol	Ave	0.2046	0.1704		520	625	-16.7	50.0
1,1-Dichloropropene	Ave	2.352	2.228		23.7	25.0	-5.3	20.0
Carbon tetrachloride	Ave	2.524	2.694	0.1000	26.7	25.0	6.7	20.0
Benzene	Ave	6.811	6.406	0.5000	23.5	25.0	-5.9	20.0
1,2-Dichloroethane	Ave	2.818	2.880	0.1000	25.5	25.0	2.2	20.0
n-Heptane	Ave	3.322	2.487		18.7	25.0	-25.1*	20.0
Trichloroethene	Ave	1.843	1.744	0.2000	23.7	25.0	-5.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1

SDG No.: _____

Lab Sample ID: CCVIS 480-323586/3 Calibration Date: 10/03/2016 18:58

Instrument ID: HP5973P Calib Start Date: 09/15/2016 15:01

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 17:44

Lab File ID: P0899.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	3.014	2.599	0.1000	21.6	25.0	-13.8	20.0
1,2-Dichloropropane	Ave	1.988	1.830	0.1000	23.0	25.0	-7.9	20.0
1,4-Dioxane	Ave	0.0136	0.0139		508	500	1.6	50.0
Dibromomethane	Ave	1.218	1.217	0.1000	25.0	25.0	-0.1	20.0
Bromodichloromethane	Ave	2.184	2.197	0.2000	25.1	25.0	0.6	20.0
2-Chloroethyl vinyl ether	Ave	1.589	1.447		22.8	25.0	-8.9	20.0
cis-1,3-Dichloropropene	Ave	2.823	2.747	0.2000	24.3	25.0	-2.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.772	1.545	0.1000	109	125	-12.8	20.0
Toluene	Ave	2.185	1.973	0.4000	22.6	25.0	-9.7	20.0
Ethyl methacrylate	Ave	1.281	1.125		22.0	25.0	-12.1	20.0
trans-1,3-Dichloropropene	Ave	1.298	1.284	0.1000	24.7	25.0	-1.1	20.0
1,1,2-Trichloroethane	Ave	0.6794	0.6272	0.1000	23.1	25.0	-7.7	20.0
Tetrachloroethene	Ave	0.9430	0.9091	0.2000	24.1	25.0	-3.6	20.0
2-Hexanone	Ave	1.218	1.097	0.1000	113	125	-9.9	20.0
1,3-Dichloropropane	Ave	1.321	1.288		24.4	25.0	-2.5	20.0
Dibromochloromethane	Ave	0.9272	0.9441	0.1000	25.5	25.0	1.8	20.0
1,2-Dibromoethane	Ave	0.9355	0.9063		24.2	25.0	-3.1	20.0
Chlorobenzene	Ave	2.437	2.351	0.5000	24.1	25.0	-3.5	20.0
Ethylbenzene	Ave	3.961	3.680	0.1000	23.2	25.0	-7.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.9139	0.9257		25.3	25.0	1.3	20.0
m,p-Xylene	Ave	1.693	1.543	0.1000	22.8	25.0	-8.9	20.0
o-Xylene	Ave	1.679	1.541	0.3000	23.0	25.0	-8.2	20.0
Styrene	Ave	2.658	2.454	0.3000	23.1	25.0	-7.7	20.0
Bromoform	Ave	0.6221	0.6424	0.1000	25.8	25.0	3.3	50.0
Isopropylbenzene	Ave	4.024	3.499	0.1000	21.7	25.0	-13.0	20.0
1,1,2,2-Tetrachloroethane	Ave	1.213	1.072	0.3000	22.1	25.0	-11.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.5423	0.4956		22.8	25.0	-8.6	50.0
1,2,3-Trichloropropane	Ave	0.3731	0.3395		22.7	25.0	-9.0	20.0
Bromobenzene	Ave	0.9904	0.9386		23.7	25.0	-5.2	20.0
N-Propylbenzene	Ave	4.506	3.989		22.1	25.0	-11.5	20.0
2-Chlorotoluene	Ave	0.9707	0.8620		22.2	25.0	-11.2	20.0
1,3,5-Trimethylbenzene	Ave	3.321	2.960		22.3	25.0	-10.8	20.0
4-Chlorotoluene	Ave	1.016	0.9360		23.0	25.0	-7.9	20.0
tert-Butylbenzene	Ave	0.7591	0.6679		22.0	25.0	-12.0	20.0
1,2,4-Trimethylbenzene	Ave	3.531	3.166		22.4	25.0	-10.4	20.0
sec-Butylbenzene	Ave	4.347	3.710		21.3	25.0	-14.6	20.0
4-Isopropyltoluene	Ave	3.821	3.325		21.8	25.0	-13.0	20.0
1,3-Dichlorobenzene	Ave	2.046	1.879	0.6000	23.0	25.0	-8.1	20.0
1,4-Dichlorobenzene	Ave	2.045	1.915	0.5000	23.4	25.0	-6.4	20.0
n-Butylbenzene	Ave	3.295	2.806		21.3	25.0	-14.9	20.0
1,2-Dichlorobenzene	Ave	2.054	1.926	0.4000	23.5	25.0	-6.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-323586/3 Calibration Date: 10/03/2016 18:58
 Instrument ID: HP5973P Calib Start Date: 09/15/2016 15:01
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 17:44
 Lab File ID: P0899.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	0.3258	0.2820	0.0500	21.6	25.0	-13.4	50.0
1,2,4-Trichlorobenzene	Ave	1.532	1.342	0.2000	21.9	25.0	-12.4	20.0
Hexachlorobutadiene	Ave	0.5740	0.4610		20.1	25.0	-19.7	20.0
Naphthalene	Ave	5.118	4.493		21.9	25.0	-12.2	20.0
1,2,3-Trichlorobenzene	Ave	1.524	1.292		21.2	25.0	-15.2	20.0
Dibromofluoromethane (Surr)	Ave	1.232	1.142		23.2	25.0	-7.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8013	0.6869		21.4	25.0	-14.3	20.0
Toluene-d8 (Surr)	Ave	2.220	1.926		21.7	25.0	-13.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7606	0.7970		26.2	25.0	4.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0899.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 03-Oct-2016 18:58:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0056940-003
 Operator ID: SY Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 19:25:48 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 19:25:48

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	9.821	9.821	0.000	98	137106	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	85	284442	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.751	0.000	96	319707	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.012	0.000	94	156618	25.0	23.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.450	9.450	0.000	0	94182	25.0	21.4	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	93	547708	25.0	21.7	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	226703	25.0	26.2	
10 Dichlorodifluoromethane	85	3.981	3.981	0.000	99	295892	25.0	25.9	
11 Chloromethane	50	4.297	4.297	0.000	99	257041	25.0	21.5	
17 Vinyl chloride	62	4.529	4.529	0.000	98	180187	25.0	20.8	
144 Butadiene	54	4.541	4.541	0.000	97	189932	25.0	20.3	
12 Bromomethane	94	5.076	5.076	0.000	92	98137	25.0	26.4	
13 Chloroethane	64	5.198	5.198	0.000	96	127758	25.0	27.7	
19 Dichlorofluoromethane	67	5.490	5.490	0.000	98	396007	25.0	26.2	
14 Trichlorofluoromethane	101	5.611	5.611	0.000	99	417049	25.0	26.1	
20 Ethyl ether	59	5.903	5.903	0.000	99	260458	25.0	24.4	
22 Acrolein	56	6.147	6.147	0.000	100	312337	125.0	118.8	
16 1,1,2-Trichloro-1,2,2-trif	101	6.244	6.244	0.000	94	260217	25.0	24.6	
25 1,1-Dichloroethene	96	6.287	6.287	0.000	94	222031	25.0	24.1	
24 Acetone	43	6.323	6.323	0.000	98	670714	125.0	119.1	
18 Iodomethane	142	6.554	6.554	0.000	99	449270	25.0	25.4	
27 Carbon disulfide	76	6.664	6.664	0.000	100	880013	25.0	28.3	
30 Methyl acetate	43	6.700	6.700	0.000	100	1673435	125.0	113.3	
28 3-Chloro-1-propene	41	6.731	6.731	0.000	84	484659	25.0	22.2	
31 Methylene Chloride	84	6.907	6.907	0.000	94	247160	25.0	25.4	
33 2-Methyl-2-propanol	59	6.932	6.932	0.000	98	554537	250.0	221.8	
32 Methyl tert-butyl ether	73	7.163	7.163	0.000	99	761754	25.0	24.4	
34 Acrylonitrile	53	7.199	7.199	0.000	97	1576531	250.0	224.7	
35 trans-1,2-Dichloroethene	96	7.230	7.230	0.000	93	228129	25.0	23.6	
36 Hexane	57	7.467	7.467	0.000	95	367146	25.0	21.3	

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	7.704	7.704	0.000	97	1541368	50.0	48.3	
40 1,1-Dichloroethane	63	7.753	7.753	0.000	97	473995	25.0	23.2	
44 2-Butanone (MEK)	43	8.398	8.398	0.000	98	1123845	125.0	112.6	
43 cis-1,2-Dichloroethene	96	8.453	8.453	0.000	85	256203	25.0	24.2	
45 2,2-Dichloropropane	77	8.459	8.459	0.000	63	370418	25.0	26.4	
50 Chlorobromomethane	128	8.763	8.763	0.000	94	142000	25.0	26.0	
51 Tetrahydrofuran	42	8.793	8.793	0.000	92	293624	50.0	42.5	
49 Chloroform	83	8.805	8.805	0.000	95	403220	25.0	24.6	
52 1,1,1-Trichloroethane	97	9.067	9.067	0.000	98	375706	25.0	25.4	
54 Cyclohexane	56	9.140	9.140	0.000	94	515888	25.0	22.4	
53 Isobutyl alcohol	43	9.213	9.213	0.000	94	583924	625.0	520.3	
56 1,1-Dichloropropene	75	9.237	9.237	0.000	87	305473	25.0	23.7	
55 Carbon tetrachloride	117	9.274	9.274	0.000	96	369376	25.0	26.7	
57 Benzene	78	9.517	9.517	0.000	98	878244	25.0	23.5	
60 1,2-Dichloroethane	62	9.541	9.541	0.000	96	394809	25.0	25.5	
59 n-Heptane	43	9.645	9.645	0.000	98	341040	25.0	18.7	
62 Trichloroethene	95	10.278	10.278	0.000	94	239101	25.0	23.7	
64 Methylcyclohexane	83	10.509	10.509	0.000	97	356400	25.0	21.6	
63 1,2-Dichloropropane	63	10.582	10.582	0.000	93	250925	25.0	23.0	
68 1,4-Dioxane	88	10.697	10.697	0.000	99	78843	500.0	507.8	
69 Dibromomethane	93	10.770	10.770	0.000	97	166810	25.0	25.0	
70 Dichlorobromomethane	83	10.910	10.910	0.000	96	301222	25.0	25.1	
71 2-Chloroethyl vinyl ether	63	11.172	11.172	0.000	91	198332	25.0	22.8	
73 cis-1,3-Dichloropropene	75	11.446	11.446	0.000	91	376677	25.0	24.3	
75 4-Methyl-2-pentanone (MIBK)	43	11.555	11.555	0.000	99	2197812	125.0	109.0	
76 Toluene	92	11.890	11.890	0.000	98	561168	25.0	22.6	
77 Ethyl methacrylate	69	12.115	12.115	0.000	94	320061	25.0	22.0	
78 trans-1,3-Dichloropropene	75	12.145	12.145	0.000	94	365241	25.0	24.7	
79 1,1,2-Trichloroethane	83	12.431	12.431	0.000	94	178398	25.0	23.1	
80 Tetrachloroethene	166	12.632	12.632	0.000	95	258585	25.0	24.1	
83 2-Hexanone	43	12.644	12.644	0.000	99	1560115	125.0	112.6	
82 1,3-Dichloropropane	76	12.668	12.668	0.000	98	366463	25.0	24.4	
81 Chlorodibromomethane	129	13.015	13.015	0.000	90	268543	25.0	25.5	
85 Ethylene Dibromide	107	13.210	13.210	0.000	98	257798	25.0	24.2	
87 Chlorobenzene	112	13.800	13.800	0.000	95	668738	25.0	24.1	
89 Ethylbenzene	91	13.867	13.867	0.000	98	1046748	25.0	23.2	
88 1,1,1,2-Tetrachloroethane	131	13.885	13.885	0.000	95	263295	25.0	25.3	
90 m-Xylene & p-Xylene	106	14.007	14.007	0.000	0	438769	25.0	22.8	
93 o-Xylene	106	14.560	14.560	0.000	97	438435	25.0	23.0	
94 Styrene	104	14.579	14.579	0.000	96	698048	25.0	23.1	
92 Bromoform	173	14.932	14.932	0.000	96	182733	25.0	25.8	
95 Isopropylbenzene	105	15.005	15.005	0.000	96	1118813	25.0	21.7	
97 1,1,2,2-Tetrachloroethane	83	15.430	15.430	0.000	96	342658	25.0	22.1	
98 trans-1,4-Dichloro-2-buten	53	15.479	15.479	0.000	89	158448	25.0	22.8	
101 1,2,3-Trichloropropane	110	15.516	15.516	0.000	77	108550	25.0	22.7	
100 Bromobenzene	156	15.522	15.522	0.000	93	300065	25.0	23.7	
99 N-Propylbenzene	91	15.534	15.534	0.000	98	1275342	25.0	22.1	
103 2-Chlorotoluene	126	15.722	15.722	0.000	96	275581	25.0	22.2	
102 1,3,5-Trimethylbenzene	105	15.728	15.728	0.000	95	946439	25.0	22.3	
105 4-Chlorotoluene	126	15.850	15.850	0.000	98	299247	25.0	23.0	
106 tert-Butylbenzene	134	16.166	16.166	0.000	94	213536	25.0	22.0	
107 1,2,4-Trimethylbenzene	105	16.227	16.227	0.000	97	1012050	25.0	22.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.440	16.440	0.000	94	1186258	25.0	21.3	
112 4-Isopropyltoluene	119	16.592	16.592	0.000	97	1063073	25.0	21.8	
110 1,3-Dichlorobenzene	146	16.678	16.678	0.000	99	600835	25.0	23.0	
111 1,4-Dichlorobenzene	146	16.781	16.781	0.000	95	612197	25.0	23.4	
115 n-Butylbenzene	91	17.103	17.103	0.000	98	896956	25.0	21.3	
116 1,2-Dichlorobenzene	146	17.274	17.274	0.000	97	615866	25.0	23.5	
117 1,2-Dibromo-3-Chloropropan	75	18.247	18.247	0.000	82	90147	25.0	21.6	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	94	429132	25.0	21.9	
120 Hexachlorobutadiene	225	19.470	19.470	0.000	97	147392	25.0	20.1	
121 Naphthalene	128	19.713	19.713	0.000	97	1436343	25.0	21.9	
122 1,2,3-Trichlorobenzene	180	20.072	20.072	0.000	96	412912	25.0	21.2	

Reagents:

8260 CORP mix_00083	Amount Added: 12.50	Units: uL	
GAS CORP mix_00181	Amount Added: 12.50	Units: uL	
P 8260 IS_00170	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00196	Amount Added: 1.25	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20161003-56940.b\\P0899.D

Injection Date: 03-Oct-2016 18:58:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

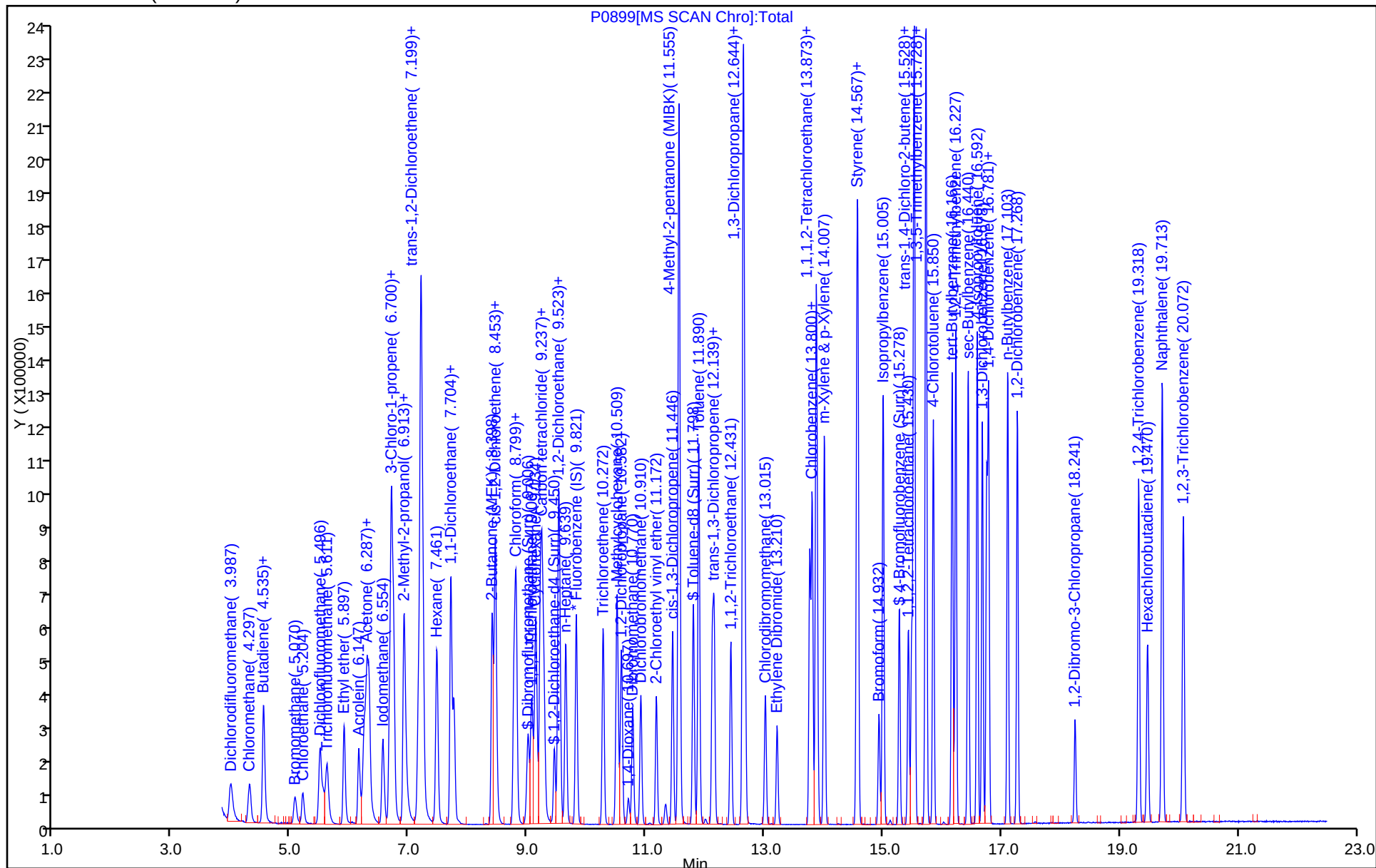
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: P-8260H2O

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.: 480-106799-1
SDG No.: _____
Lab Sample ID: CCV 480-323586/4 Calibration Date: 10/03/2016 19:25
Instrument ID: HP5973P Calib Start Date: 09/15/2016 15:01
GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 17:44
Lab File ID: P0900.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	1.232	1.163		23.6	25.0	-5.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8013	0.7786		24.3	25.0	-2.8	20.0
Toluene-d8 (Surr)	Ave	2.220	1.923		21.7	25.0	-13.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7606	0.8149		26.8	25.0	7.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0900.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 03-Oct-2016 19:25:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: 480-0056940-004
 Operator ID: SY Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub29
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 19:49:38 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 19:49:38

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	9.821	9.821	0.000	98	133541	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.764	0.000	86	281888	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.751	0.000	96	324295	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	91	155360	25.0	23.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	103973	25.0	24.3	
\$ 5 Toluene-d8 (Surr)	98	11.799	11.799	0.000	92	542191	25.0	21.7	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	93	229713	25.0	26.8	
15 Chlorodifluoromethane	51	4.012	4.012	0.000	97	370655	25.0	25.7	
141 Ethanol	45	5.788	5.788	0.000	97	209937	1000.0	807.9	
26 Propene oxide	58	6.056	6.056	0.000	96	456418	NC	NC	
23 Isopropyl alcohol	45	6.445	6.445	0.000	98	328349	250.0	195.5	
29 Acetonitrile	40	6.731	6.731	0.000	99	286870	250.0	205.7	
37 Isopropyl ether	45	7.686	7.686	0.000	96	1048436	25.0	24.2	
39 1,1-Dimethoxyethane	75	7.789	7.789	0.000	99	359434	125.0	116.9	
41 2-Chloro-1,3-butadiene	53	7.856	7.856	0.000	96	455682	25.0	23.8	
42 Tert-butyl ethyl ether	59	8.124	8.124	0.000	99	921679	25.0	24.6	
46 Ethyl acetate	43	8.398	8.398	0.000	99	857726	50.0	46.3	
47 Propionitrile	54	8.532	8.532	0.000	99	627710	250.0	226.7	
48 Methacrylonitrile	41	8.702	8.702	0.000	96	2335885	250.0	230.2	
140 t-Amyl alcohol	59	9.365	9.365	0.000	95	447596	250.0	205.2	
146 Isooctane	57	9.481	9.481	0.000	97	726357	25.0	20.7	
58 Tert-amyl methyl ether	73	9.523	9.523	0.000	95	721398	25.0	24.6	
1 1,4-Difluorobenzene	114	9.900	9.900	0.000	95	718555	25.0	25.3	
61 n-Butanol	56	10.016	10.016	0.000	91	331780	625.0	506.1	
145 Ethyl acrylate	55	10.253	10.253	0.000	98	472745	25.0	23.5	
65 Methyl methacrylate	41	10.551	10.551	0.000	93	654485	50.0	45.8	
72 2-Nitropropane	43	11.184	11.184	0.000	99	257858	50.0	39.1	
74 Epichlorohydrin	57	11.342	11.342	0.000	99	439241	250.0	226.3	
149 n-Butyl acetate	43	12.729	12.729	0.000	98	637967	25.0	21.5	
84 3-Chlorobenzotrifluoride	180	13.611	13.611	0.000	92	360951	25.0	22.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
139 1-Chlorohexane	55	13.630	13.630	0.000	91	249033	25.0	21.1	
86 4-Chlorobenzotrifluoride	180	13.684	13.684	0.000	96	338330	25.0	22.3	
91 2-Chlorobenzotrifluoride	180	14.859	14.859	0.000	96	374096	25.0	22.2	
96 Cyclohexanone	55	15.248	15.248	0.000	95	164444	250.0	194.3	
104 3-Chlorotoluene	126	15.789	15.789	0.000	97	309301	25.0	23.0	
108 Pentachloroethane	167	16.282	16.282	0.000	91	168728	25.0	29.0	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	97	1094376	25.0	23.0	
114 Dicyclopentadiene	66	16.805	16.805	0.000	97	928313	25.0	21.4	
143 Benzyl chloride	126	16.939	16.939	0.000	99	176966	25.0	27.6	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	98	449676	25.0	22.6	
142 2-Methylnaphthalene	142	21.526	21.526	0.000	93	790751	25.0	18.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ADD CORP mix_00051

Amount Added: 12.50

Units: uL

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr_00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\PO900.D

Injection Date: 03-Oct-2016 19:25:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: CCV

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

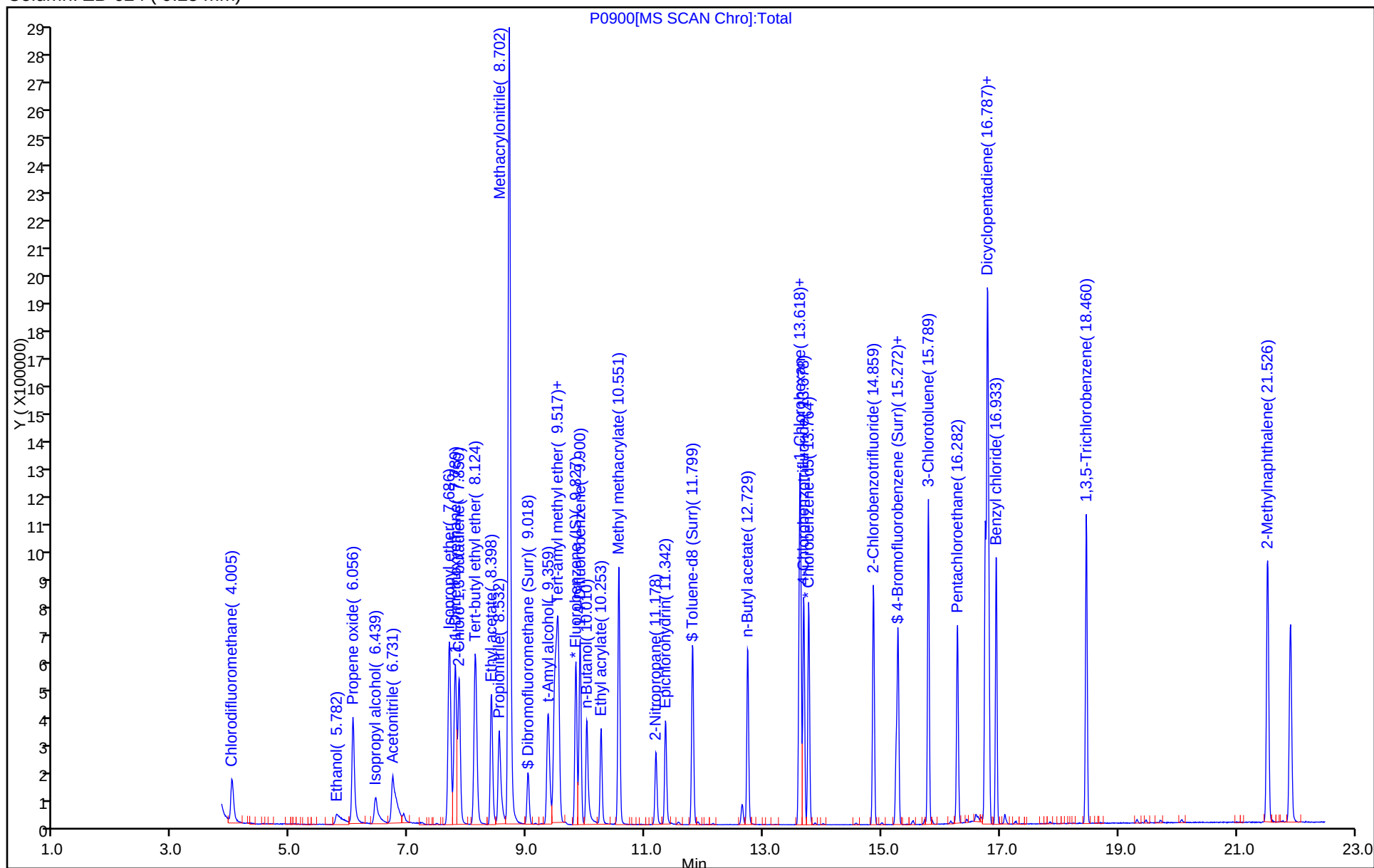
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: P-8260H2O

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.: 480-106799-1

SDG No.: _____

Lab Sample ID: CCV 480-323586/4 Calibration Date: 10/03/2016 19:25

Instrument ID: HP5973P Calib Start Date: 09/15/2016 18:38

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 09/15/2016 21:21

Lab File ID: P0900.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	2.697	2.776		25.7	25.0	2.9	20.0
Ethanol	Ave	0.0486	0.0393		808	1000	-19.2	20.0
Isopropyl alcohol	Ave	0.3145	0.2459		195	250	-21.8*	20.0
Acetonitrile	Ave	0.2611	0.2148		206	250	-17.7	20.0
Isopropyl ether	Ave	8.099	7.851		24.2	25.0	-3.1	20.0
1,1-Dimethoxyethane	Ave	0.5755	0.5383		117	125	-6.5	20.0
Chloroprene	Ave	3.583	3.412		23.8	25.0	-4.8	20.0
Tert-butyl ethyl ether	Ave	7.017	6.902		24.6	25.0	-1.6	20.0
Ethyl acetate	Ave	3.466	3.211		46.3	50.0	-7.3	20.0
Propionitrile	Ave	0.5183	0.4701		227	250	-9.3	20.0
Methacrylonitrile	Ave	1.900	1.749		230	250	-7.9	20.0
t-Amyl alcohol	Ave	0.4083	0.3352		205	250	-17.9	20.0
Isooctane	Ave	6.568	5.439		20.7	25.0	-17.2	20.0
Tert-amyl methyl ether	Ave	5.480	5.402		24.6	25.0	-1.4	20.0
1,4-Difluorobenzene	Ave	5.326	5.381		25.3	25.0	1.0	20.0
n-Butanol	Ave	0.1227	0.0994		506	625	-19.0	20.0
Ethyl acrylate	Ave	3.771	3.540		23.5	25.0	-6.1	20.0
Methyl methacrylate	Ave	2.674	2.451		45.8	50.0	-8.4	20.0
2-Nitropropane	Ave	0.5078	0.3976		39.1	50.0	-21.7*	20.0
Epichlorohydrin	Ave	0.3633	0.3289		226	250	-9.5	20.0
n-Butyl acetate	Ave	2.634	2.263	0.1000	21.5	25.0	-14.1	20.0
3-Chlorobenzotrifluoride	Ave	1.264	1.113		22.0	25.0	-11.9	20.0
1-Chlorohexane	Ave	1.047	0.8835		21.1	25.0	-15.7	20.0
4-Chlorobenzotrifluoride	Ave	1.168	1.043		22.3	25.0	-10.7	20.0
2-Chlorobenzotrifluoride	Ave	1.300	1.154		22.2	25.0	-11.2	20.0
Cyclohexanone	Ave	0.0653	0.0507		194	250	-22.3*	20.0
3-Chlorotoluene	Ave	1.038	0.9538		23.0	25.0	-8.1	20.0
Pentachloroethane	Ave	0.4480	0.5203		29.0	25.0	16.1	20.0
1,2,3-Trimethylbenzene	Ave	3.673	3.375		23.0	25.0	-8.1	20.0
Dicyclopentadiene	Ave	3.340	2.863		21.4	25.0	-14.3	20.0
Benzyl chloride	Ave	0.4946	0.5457		27.6	25.0	10.3	20.0
1,3,5-Trichlorobenzene	Ave	1.537	1.387		22.6	25.0	-9.8	20.0
2-Methylnaphthalene	Ave	3.282	2.438		18.6	25.0	-25.7*	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0900.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 03-Oct-2016 19:25:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: 480-0056940-004
 Operator ID: SY Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub29
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 19:49:38 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 19:49:38

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	9.821	9.821	0.000	98	133541	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.764	0.000	86	281888	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.751	0.000	96	324295	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	91	155360	25.0	23.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	103973	25.0	24.3	
\$ 5 Toluene-d8 (Surr)	98	11.799	11.799	0.000	92	542191	25.0	21.7	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	93	229713	25.0	26.8	
15 Chlorodifluoromethane	51	4.012	4.012	0.000	97	370655	25.0	25.7	
141 Ethanol	45	5.788	5.788	0.000	97	209937	1000.0	807.9	
26 Propene oxide	58	6.056	6.056	0.000	96	456418	NC	NC	
23 Isopropyl alcohol	45	6.445	6.445	0.000	98	328349	250.0	195.5	
29 Acetonitrile	40	6.731	6.731	0.000	99	286870	250.0	205.7	
37 Isopropyl ether	45	7.686	7.686	0.000	96	1048436	25.0	24.2	
39 1,1-Dimethoxyethane	75	7.789	7.789	0.000	99	359434	125.0	116.9	
41 2-Chloro-1,3-butadiene	53	7.856	7.856	0.000	96	455682	25.0	23.8	
42 Tert-butyl ethyl ether	59	8.124	8.124	0.000	99	921679	25.0	24.6	
46 Ethyl acetate	43	8.398	8.398	0.000	99	857726	50.0	46.3	
47 Propionitrile	54	8.532	8.532	0.000	99	627710	250.0	226.7	
48 Methacrylonitrile	41	8.702	8.702	0.000	96	2335885	250.0	230.2	
140 t-Amyl alcohol	59	9.365	9.365	0.000	95	447596	250.0	205.2	
146 Isooctane	57	9.481	9.481	0.000	97	726357	25.0	20.7	
58 Tert-amyl methyl ether	73	9.523	9.523	0.000	95	721398	25.0	24.6	
1 1,4-Difluorobenzene	114	9.900	9.900	0.000	95	718555	25.0	25.3	
61 n-Butanol	56	10.016	10.016	0.000	91	331780	625.0	506.1	
145 Ethyl acrylate	55	10.253	10.253	0.000	98	472745	25.0	23.5	
65 Methyl methacrylate	41	10.551	10.551	0.000	93	654485	50.0	45.8	
72 2-Nitropropane	43	11.184	11.184	0.000	99	257858	50.0	39.1	
74 Epichlorohydrin	57	11.342	11.342	0.000	99	439241	250.0	226.3	
149 n-Butyl acetate	43	12.729	12.729	0.000	98	637967	25.0	21.5	
84 3-Chlorobenzotrifluoride	180	13.611	13.611	0.000	92	360951	25.0	22.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
139 1-Chlorohexane	55	13.630	13.630	0.000	91	249033	25.0	21.1	
86 4-Chlorobenzotrifluoride	180	13.684	13.684	0.000	96	338330	25.0	22.3	
91 2-Chlorobenzotrifluoride	180	14.859	14.859	0.000	96	374096	25.0	22.2	
96 Cyclohexanone	55	15.248	15.248	0.000	95	164444	250.0	194.3	
104 3-Chlorotoluene	126	15.789	15.789	0.000	97	309301	25.0	23.0	
108 Pentachloroethane	167	16.282	16.282	0.000	91	168728	25.0	29.0	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	97	1094376	25.0	23.0	
114 Dicyclopentadiene	66	16.805	16.805	0.000	97	928313	25.0	21.4	
143 Benzyl chloride	126	16.939	16.939	0.000	99	176966	25.0	27.6	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	98	449676	25.0	22.6	
142 2-Methylnaphthalene	142	21.526	21.526	0.000	93	790751	25.0	18.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ADD CORP mix_00051

Amount Added: 12.50

Units: uL

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr_00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\PO900.D

Injection Date: 03-Oct-2016 19:25:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: CCV

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

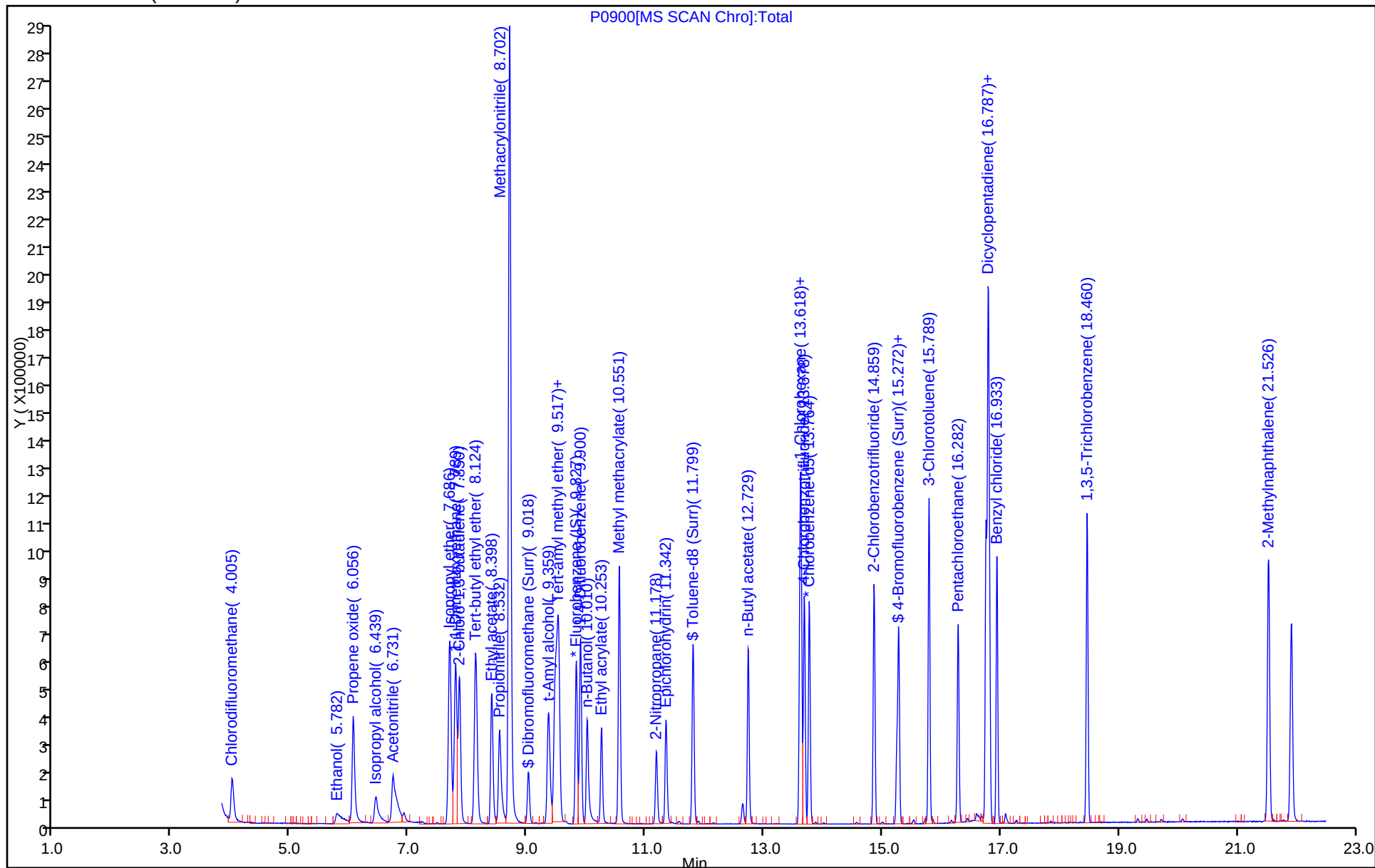
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0157.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 15-Sep-2016 14:06:30 ALS Bottle#: 1 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0056398-003
Operator ID: CDC Instrument ID: HP5973P
Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Sep-2016 14:10:51 Calib Date: 14-Sep-2016 02:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160913-56329.b\P0080.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK050

First Level Reviewer: cwiklinc

Date: 15-Sep-2016 14:10:51

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

\$ 21 BFB	95	7.140	7.140	0.000	0	197908	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00056

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0157.D

Injection Date: 15-Sep-2016 14:06:30

Instrument ID: HP5973P

Lims ID: BFB

Client ID:

Operator ID: CDC

ALS Bottle#: 1 Worklist Smp#: 3

Injection Vol: 1.0 uL

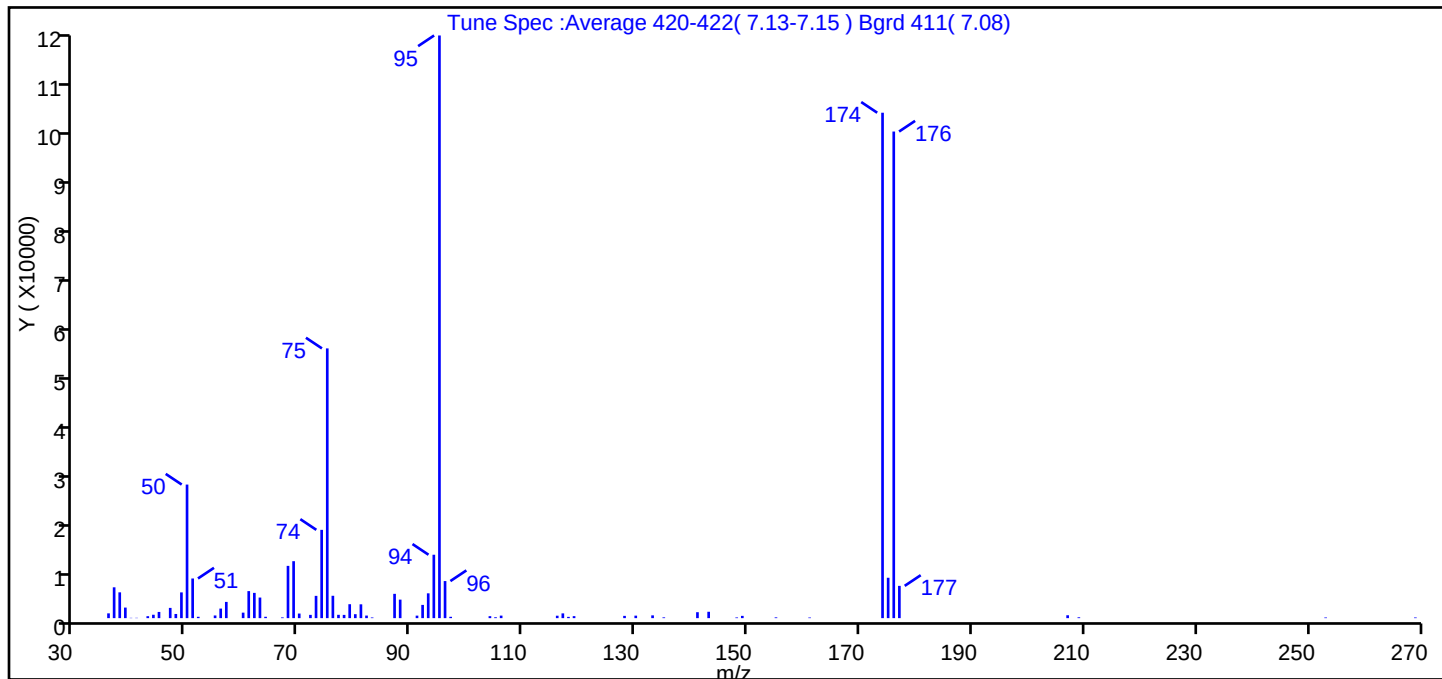
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.9
75	30 to 60% of m/z 95	46.3
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	86.7
175	5 to 9% of m/z 174	6.9 (8.0)
176	Greater than 95% but less than 101% of m/z 174	83.5 (96.3)
177	5 to 9% of m/z 176	5.5 (6.6)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0157.D\P-8260H2O.rslt\spectra.d
Injection Date: 15-Sep-2016 14:06:30
Spectrum: Tune Spec :Average 420-422(7.13-7.15) Bgrd 411(7.08)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	917	61.00	5183	83.00	129	133.00	534
37.00	5912	62.00	4843	87.00	4660	135.00	148
38.00	4948	63.00	3947	88.00	3551	141.00	1140
39.00	2025	64.00	262	91.00	482	143.00	1222
40.00	57	67.00	143	92.00	2539	148.00	134
41.00	60	68.00	10021	93.00	4758	149.00	436
43.00	374	69.00	10919	94.00	12157	155.00	147
44.00	651	70.00	881	95.00	111704	161.00	120
45.00	1190	72.00	628	96.00	7108	174.00	96896
47.00	1965	73.00	4271	97.00	258	175.00	7742
48.00	800	74.00	16928	104.00	379	176.00	93288
49.00	4937	75.00	51712	105.00	168	177.00	6188
50.00	25608	76.00	4288	106.00	486	207.00	554
51.00	7602	77.00	639	116.00	466	209.00	162
52.00	260	78.00	623	117.00	913	253.00	124
55.00	513	79.00	2671	118.00	247	269.00	126
56.00	1836	80.00	758	119.00	383		
57.00	3112	81.00	2651	128.00	435		
60.00	1055	82.00	495	130.00	479		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0813.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 30-Sep-2016 20:46:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0056891-001
Operator ID: SY Instrument ID: HP5973P
Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Oct-2016 10:08:59 Calib Date: 15-Sep-2016 21:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 10:08:59

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

\$ 21 BFB	95	15.272	15.272	0.000	0	309826	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00056

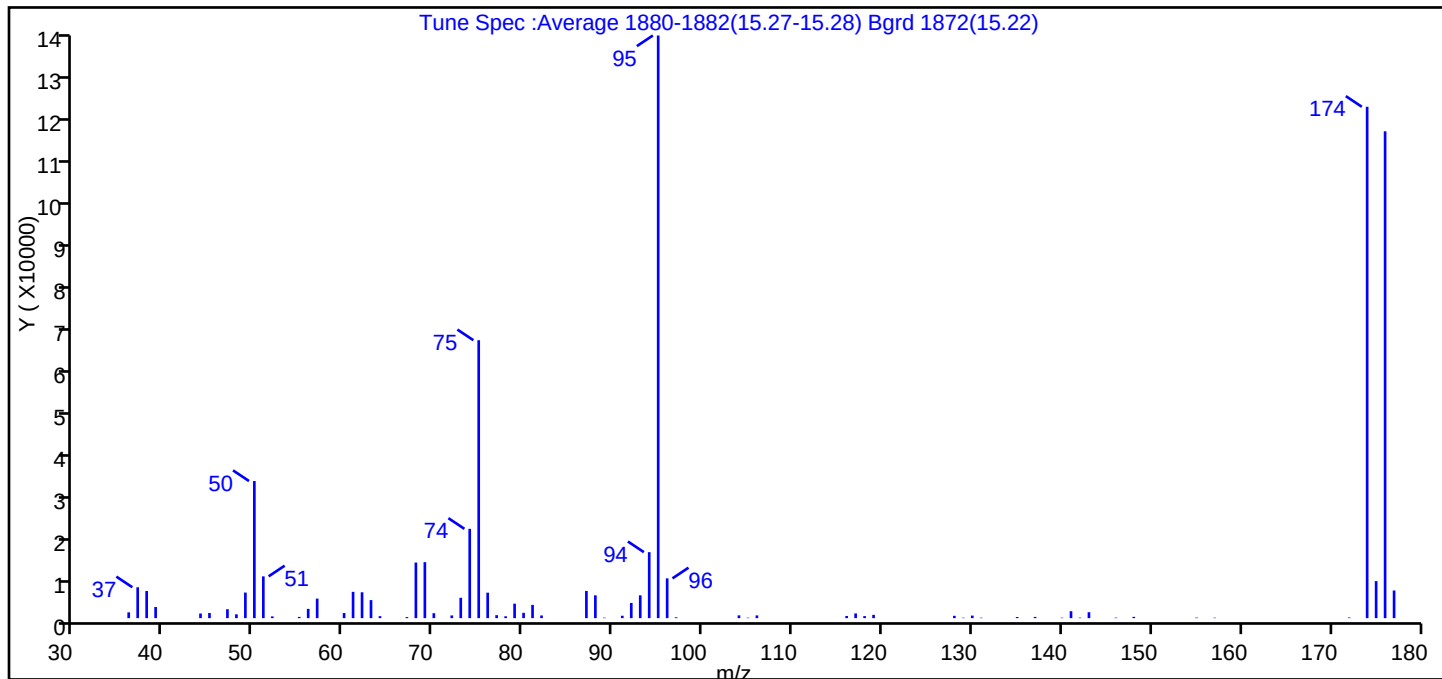
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0813.D
Injection Date: 30-Sep-2016 20:46:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: SY ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.5
75	30 to 60% of m/z 95	47.7
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	87.8
175	5 to 9% of m/z 174	6.4 (7.2)
176	Greater than 95% but less than 101% of m/z 174	83.6 (95.2)
177	5 to 9% of m/z 176	4.7 (5.7)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0813.D\P-8260H2O.rslt\spectra.d
Injection Date: 30-Sep-2016 20:46:30
Spectrum: Tune Spec :Average 1880-1882(15.27-15.28) Bgrd 1872(15.22)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1359	63.00	4232	88.00	5352	130.00	600
37.00	7239	64.00	465	89.00	116	131.00	104
38.00	6370	67.00	251	91.00	560	135.00	265
39.00	2619	68.00	13042	92.00	3567	137.00	292
44.00	1090	69.00	13129	93.00	5349	140.00	104
45.00	1202	70.00	1156	94.00	15474	141.00	1624
47.00	2098	72.00	636	95.00	136640	142.00	118
48.00	903	73.00	4775	96.00	9330	143.00	1388
49.00	6003	74.00	20944	97.00	201	146.00	119
50.00	32152	75.00	65176	104.00	657	148.00	305
51.00	9801	76.00	5973	105.00	104	155.00	126
52.00	410	77.00	700	106.00	643	157.00	105
55.00	293	78.00	437	116.00	507	172.00	147
56.00	2171	79.00	3394	117.00	1104	174.00	119920
57.00	4584	80.00	1244	118.00	482	175.00	8691
60.00	1198	81.00	3108	119.00	770	176.00	114168
61.00	6166	82.00	631	128.00	546	177.00	6487
62.00	6065	87.00	6380	129.00	106		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0838.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 01-Oct-2016 09:39:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0056898-002
Operator ID: gtg Instrument ID: HP5973P
Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Oct-2016 18:18:31 Calib Date: 15-Sep-2016 21:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK049

First Level Reviewer: goliszekg

Date: 01-Oct-2016 09:52:20

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

\$ 21 BFB	95	7.165	7.165	0.000	0	184056	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00056

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0838.D

Injection Date: 01-Oct-2016 09:39:30

Instrument ID: HP5973P

Lims ID: BFB

Client ID:

Operator ID: gtg

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 uL

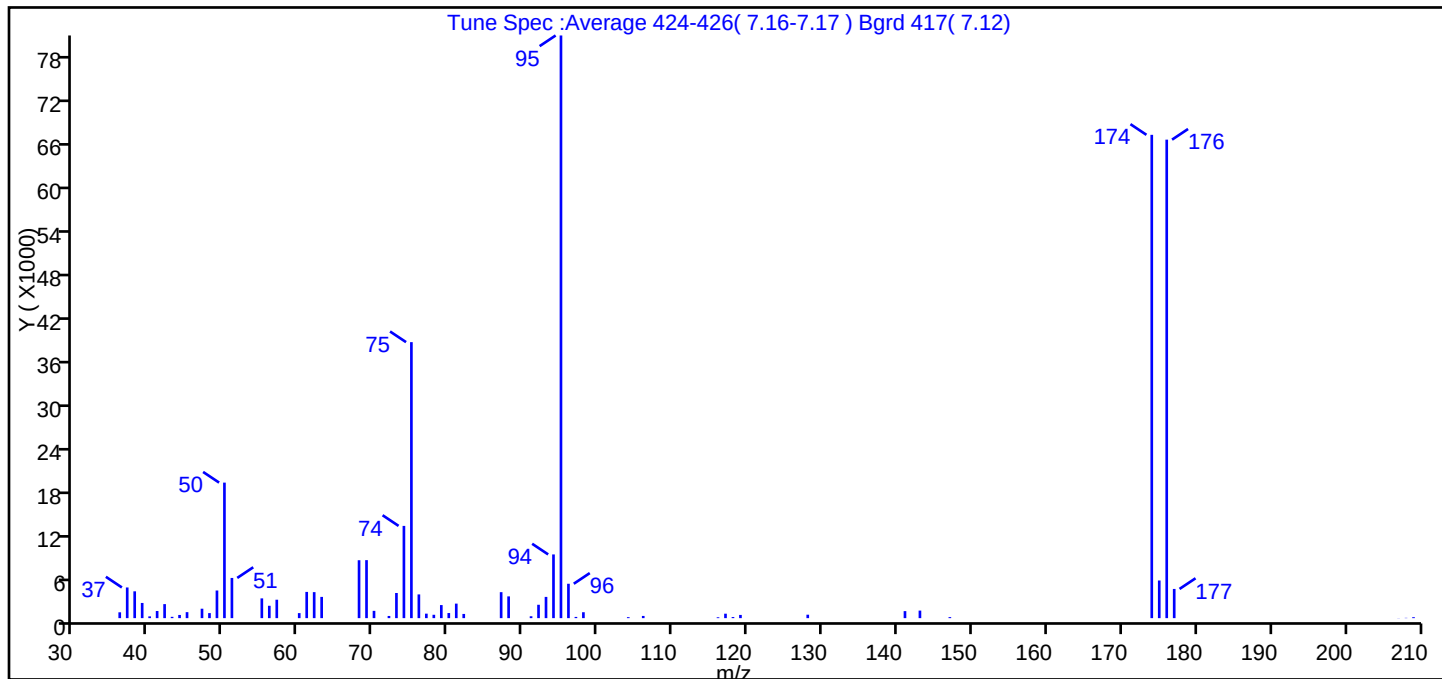
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.3
75	30 to 60% of m/z 95	47.4
96	5 to 9% of m/z 95	5.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.9
175	5 to 9% of m/z 174	6.5 (7.8)
176	Greater than 95% but less than 101% of m/z 174	82.1 (99.0)
177	5 to 9% of m/z 176	5.0 (6.1)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0838.D\P-8260H2O.rslt\spectra.d
Injection Date: 01-Oct-2016 09:39:30
Spectrum: Tune Spec :Average 424-426(7.16-7.17) Bgrd 417(7.12)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	805	56.00	1704	79.00	1800	116.00	118
37.00	4227	57.00	2538	80.00	702	117.00	613
38.00	3695	60.00	693	81.00	2002	118.00	152
39.00	2092	61.00	3614	82.00	580	119.00	443
40.00	244	62.00	3583	87.00	3579	128.00	475
41.00	982	63.00	2927	88.00	2998	141.00	967
42.00	1933	68.00	7978	91.00	259	143.00	1040
43.00	181	69.00	7992	92.00	1843	147.00	140
44.00	440	70.00	1005	93.00	2927	174.00	66584
45.00	826	72.00	300	94.00	8778	175.00	5187
47.00	1300	73.00	3464	95.00	80272	176.00	65920
48.00	694	74.00	12708	96.00	4738	177.00	4023
49.00	3808	75.00	38024	97.00	169	207.00	18
50.00	18672	76.00	3269	98.00	815	208.00	40
51.00	5539	77.00	618	104.00	133	209.00	128
55.00	2723	78.00	465	106.00	304		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0898.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 03-Oct-2016 18:30:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0056940-002
Operator ID: SY Instrument ID: HP5973P
Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Oct-2016 18:34:47 Calib Date: 15-Sep-2016 21:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 18:34:47

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

\$ 21 BFB	95	7.152	7.152	0.000	0	186568	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00056

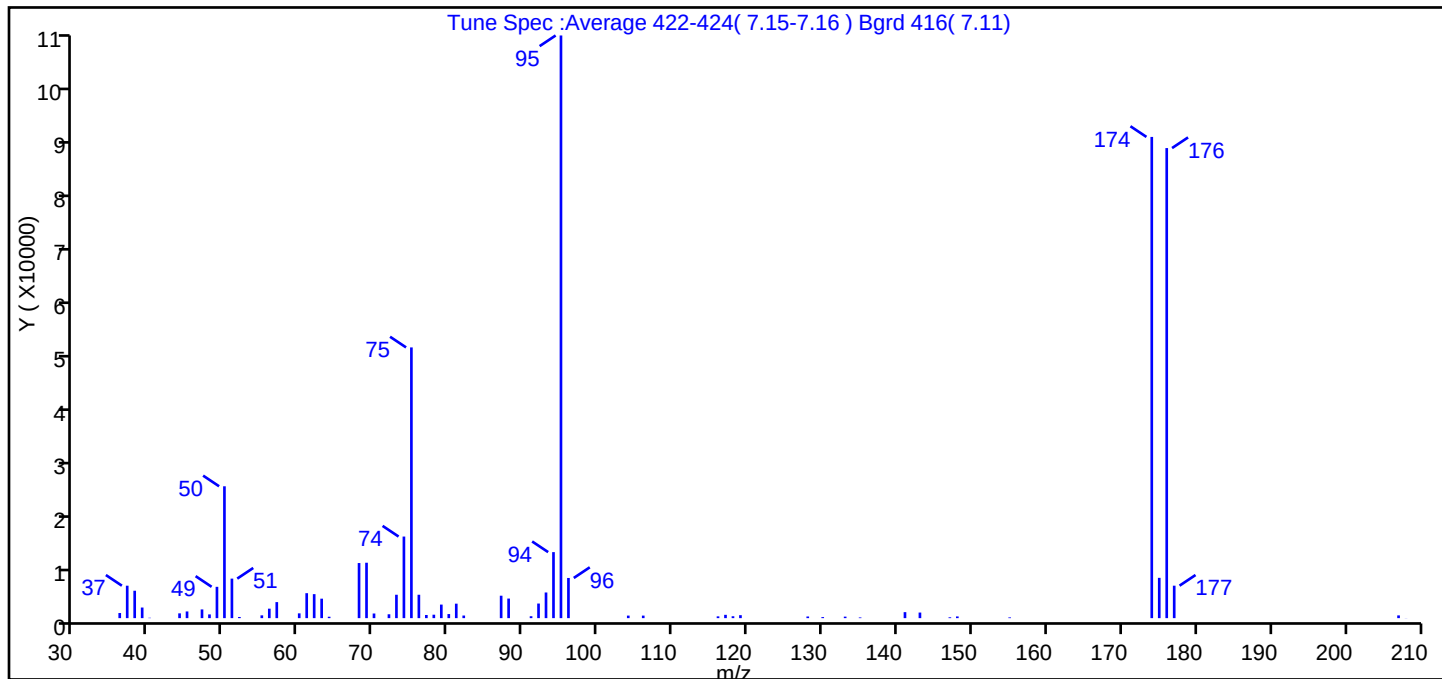
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0898.D
Injection Date: 03-Oct-2016 18:30:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: SY ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.6
75	30 to 60% of m/z 95	46.5
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.6
175	5 to 9% of m/z 174	6.9 (8.4)
176	Greater than 95% but less than 101% of m/z 174	80.7 (97.7)
177	5 to 9% of m/z 176	5.6 (6.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0898.D\P-8260H2O.rslt\spectra.d
Injection Date: 03-Oct-2016 18:30:30
Spectrum: Tune Spec :Average 422-424(7.15-7.16) Bgrd 416(7.11)
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	899	60.00	841	80.00	717	119.00	522
37.00	5701	61.00	4385	81.00	2544	128.00	290
38.00	4816	62.00	4218	82.00	459	130.00	185
39.00	1865	63.00	3422	87.00	3942	133.00	265
40.00	64	64.00	247	88.00	3441	135.00	122
44.00	841	68.00	9682	91.00	336	141.00	1054
45.00	1177	69.00	9736	92.00	2567	143.00	983
47.00	1533	70.00	815	93.00	4509	147.00	146
48.00	658	72.00	680	94.00	11600	148.00	298
49.00	5504	73.00	4110	95.00	102376	155.00	128
50.00	23168	74.00	14336	96.00	7058	174.00	84552
51.00	6945	75.00	47568	104.00	448	175.00	7080
52.00	203	76.00	4110	106.00	447	176.00	82592
55.00	493	77.00	554	116.00	315	177.00	5704
56.00	1665	78.00	605	117.00	582	207.00	483
57.00	2818	79.00	2382	118.00	333	208.00	18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-323329/6

Matrix: Water Lab File ID: P0819.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 09/30/2016 23:43

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.: 323329 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)	1.0	U	1.0	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	1.0	U	1.0	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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-323329/6
 Matrix: Water Lab File ID: P0819.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 09/30/2016 23:43
 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.: 323329 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)	90		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123
2037-26-5	Toluene-d8 (Surr)	88		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0819.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 30-Sep-2016 23:43:30 ALS Bottle#: 7 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0056891-006
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:14:54 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: youngmans

Date: 01-Oct-2016 00:02:01

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	9.827	9.821	0.006	98	137736	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	86	277380	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	96	320707	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.012	0.000	93	158257	25.0	23.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	98985	25.0	22.4	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	92	542467	25.0	22.0	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.272	0.006	89	214983	25.0	25.5	
10 Dichlorodifluoromethane	85		3.987					ND	
15 Chlorodifluoromethane	51		4.005					ND	
11 Chloromethane	50		4.291					ND	
17 Vinyl chloride	62		4.529					ND	
144 Butadiene	54		4.541					ND	
12 Bromomethane	94		5.070					ND	
13 Chloroethane	64		5.204					ND	
19 Dichlorofluoromethane	67		5.490					ND	
14 Trichlorofluoromethane	101		5.612					ND	
141 Ethanol	45		5.776					ND	
20 Ethyl ether	59		5.904					ND	
26 Propene oxide	58		6.056					ND	
22 Acrolein	56		6.147					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238					ND	
25 1,1-Dichloroethene	96		6.287					ND	
24 Acetone	43		6.323					ND	
23 Isopropyl alcohol	45		6.433					ND	
18 Iodomethane	142		6.548					ND	
30 Methyl acetate	43		6.701					ND	
29 Acetonitrile	40		6.725					ND	
28 3-Chloro-1-propene	41		6.737					ND	
33 2-Methyl-2-propanol	59		6.932					ND	
32 Methyl tert-butyl ether	73		7.169					ND	
34 Acrylonitrile	53		7.199					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 trans-1,2-Dichloroethene	96		7.230					ND	
36 Hexane	57		7.467					ND	
37 Isopropyl ether	45		7.686					ND	
38 Vinyl acetate	43		7.698					ND	
40 1,1-Dichloroethane	63		7.753					ND	
39 1,1-Dimethoxyethane	75		7.783					ND	
41 2-Chloro-1,3-butadiene	53		7.850					ND	
42 Tert-butyl ethyl ether	59		8.124					ND	
46 Ethyl acetate	43		8.398					ND	
44 2-Butanone (MEK)	43		8.398					ND	
43 cis-1,2-Dichloroethene	96		8.453					ND	
45 2,2-Dichloropropane	77		8.459					ND	
47 Propionitrile	54		8.525					ND	
48 Methacrylonitrile	41		8.696					ND	
50 Chlorobromomethane	128		8.769					ND	
51 Tetrahydrofuran	42		8.793					ND	
52 1,1,1-Trichloroethane	97		9.067					ND	
54 Cyclohexane	56		9.134					ND	
53 Isobutyl alcohol	43		9.219					ND	
56 1,1-Dichloropropene	75		9.237					ND	
55 Carbon tetrachloride	117		9.274					ND	
140 t-Amyl alcohol	59		9.353					ND	
146 Isooctane	57		9.487					ND	
58 Tert-amyl methyl ether	73		9.523					ND	
57 Benzene	78		9.523					ND	
60 1,2-Dichloroethane	62		9.542					ND	
59 n-Heptane	43		9.639					ND	
66 2-Methylthiophene	97		9.687					ND	
67 3-Methylthiophene	97	9.827	9.894	-0.067	42	45967		NC	
1 1,4-Difluorobenzene	114		9.900					ND	
61 n-Butanol	56		10.010					ND	
145 Ethyl acrylate	55		10.247					ND	
62 Trichloroethene	95		10.272					ND	
64 Methylcyclohexane	83		10.509					ND	
65 Methyl methacrylate	41		10.551					ND	
63 1,2-Dichloropropane	63		10.582					ND	
68 1,4-Dioxane	88		10.697					ND	
69 Dibromomethane	93		10.770					ND	
70 Dichlorobromomethane	83		10.910					ND	
71 2-Chloroethyl vinyl ether	63		11.172					ND	
72 2-Nitropropane	43		11.178					ND	
74 Epichlorohydrin	57		11.342					ND	
73 cis-1,3-Dichloropropene	75		11.446					ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555					ND	
76 Toluene	92		11.890					ND	
77 Ethyl methacrylate	69		12.115					ND	
78 trans-1,3-Dichloropropene	75		12.145					ND	
79 1,1,2-Trichloroethane	83		12.431					ND	
80 Tetrachloroethene	166		12.632					ND	
83 2-Hexanone	43		12.644					ND	
82 1,3-Dichloropropane	76		12.669					ND	
149 n-Butyl acetate	43		12.729					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
81 Chlorodibromomethane	129		13.009					ND	
85 Ethylene Dibromide	107		13.210					ND	
84 3-Chlorobenzotrifluoride	180		13.611					ND	
139 1-Chlorohexane	55		13.630					ND	
86 4-Chlorobenzotrifluoride	180		13.684					ND	
87 Chlorobenzene	112		13.800					ND	
88 1,1,1,2-Tetrachloroethane	131		13.885					ND	
90 m-Xylene & p-Xylene	106		14.007					ND	
93 o-Xylene	106		14.561					ND	
94 Styrene	104		14.579					ND	
91 2-Chlorobenzotrifluoride	180		14.858					ND	
92 Bromoform	173		14.932					ND	
95 Isopropylbenzene	105		14.999					ND	
96 Cyclohexanone	55		15.248					ND	
97 1,1,2,2-Tetrachloroethane	83		15.424					ND	
98 trans-1,4-Dichloro-2-buten	53		15.479					ND	
101 1,2,3-Trichloropropane	110		15.516					ND	
100 Bromobenzene	156		15.516					ND	
99 N-Propylbenzene	91		15.534					ND	
103 2-Chlorotoluene	126		15.722					ND	
102 1,3,5-Trimethylbenzene	105		15.729					ND	
104 3-Chlorotoluene	126		15.789					ND	
105 4-Chlorotoluene	126		15.850					ND	
106 tert-Butylbenzene	134		16.167					ND	
107 1,2,4-Trimethylbenzene	105		16.227					ND	
108 Pentachloroethane	167		16.282					ND	
109 sec-Butylbenzene	105		16.440					ND	
112 4-Isopropyltoluene	119		16.592					ND	
110 1,3-Dichlorobenzene	146		16.678					ND	
111 1,4-Dichlorobenzene	146		16.781					ND	
143 Benzyl chloride	126		16.939					ND	
115 n-Butylbenzene	91		17.103					ND	
116 1,2-Dichlorobenzene	146		17.268					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247					ND	
118 1,3,5-Trichlorobenzene	180		18.460					ND	
120 Hexachlorobutadiene	225		19.470					ND	
121 Naphthalene	128		19.713					ND	
122 1,2,3-Trichlorobenzene	180		20.072					ND	
142 2-Methylnaphthalene	142	21.526	21.526	0.000	1	946		0.0225	
138 Ethylene oxide TIC	1		0.000					ND	
136 Propene oxide TIC	1		0.000					ND	
137 1-Bromopropane TIC	1		0.000					ND	
135 Pentachloroethane TIC	1		0.000					ND	
134 Halothane	1		0.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		5.300					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
T 128 Hexachloroethane TIC	201		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\PO819.D

Injection Date: 30-Sep-2016 23:43:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: MB

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

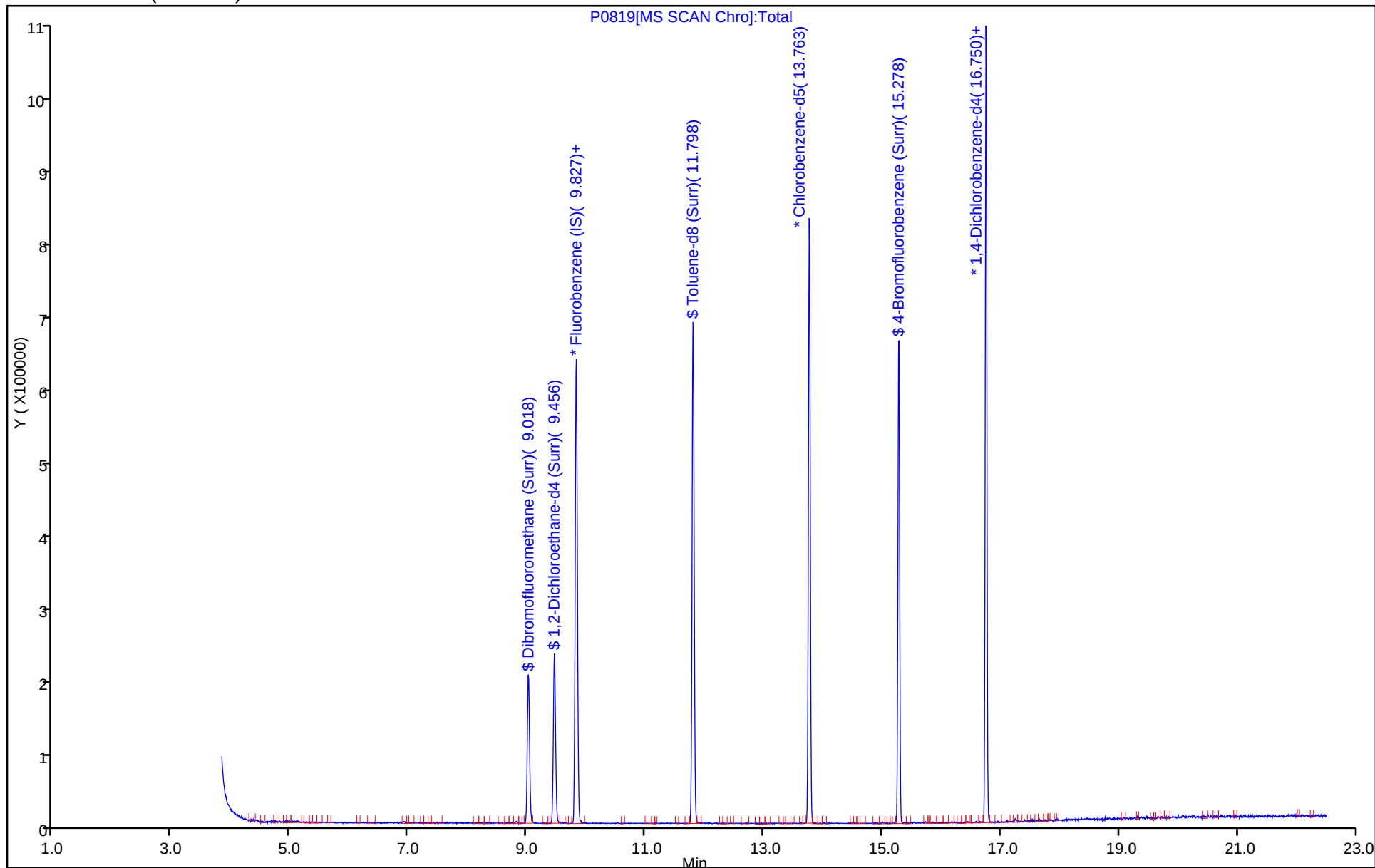
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: P-8260H2O

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.: 480-106799-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-323358/7

Matrix: Water Lab File ID: P0843.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 12:04

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 323358 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)	1.0	U	1.0	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	1.0	U	1.0	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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-323358/7
 Matrix: Water Lab File ID: P0843.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 12:04
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 323358 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)	90		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	91		75-123
2037-26-5	Toluene-d8 (Surr)	91		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0843.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 01-Oct-2016 12:04:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0056898-007
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 13:12:38 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 13:12:38

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	9.827	9.827	0.000	99	136165	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.764	13.763	0.001	86	271118	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.751	16.750	0.001	96	319766	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	152119	25.0	22.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	97878	25.0	22.4	
\$ 5 Toluene-d8 (Surr)	98	11.799	11.798	0.001	92	544910	25.0	22.6	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	214453	25.0	26.0	
10 Dichlorodifluoromethane	85		3.993					ND	
15 Chlorodifluoromethane	51		4.011					ND	
11 Chloromethane	50		4.304					ND	
17 Vinyl chloride	62		4.535					ND	
144 Butadiene	54		4.553					ND	
12 Bromomethane	94		5.070					ND	
13 Chloroethane	64		5.204					ND	
19 Dichlorofluoromethane	67		5.490					ND	
14 Trichlorofluoromethane	101		5.612					ND	
141 Ethanol	45		5.782					ND	
20 Ethyl ether	59		5.904					ND	
26 Propene oxide	58		6.055					ND	
22 Acrolein	56		6.153					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.238					ND	
25 1,1-Dichloroethene	96		6.287					ND	
24 Acetone	43		6.329					ND	
23 Isopropyl alcohol	45		6.439					ND	
18 Iodomethane	142		6.555					ND	
27 Carbon disulfide	76		6.670					ND	
30 Methyl acetate	43		6.701					ND	
29 Acetonitrile	40		6.731					ND	
28 3-Chloro-1-propene	41		6.737					ND	
33 2-Methyl-2-propanol	59		6.938					ND	
32 Methyl tert-butyl ether	73		7.169					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Acrylonitrile	53		7.205					ND	
35 trans-1,2-Dichloroethene	96		7.236					ND	
36 Hexane	57		7.467					ND	
37 Isopropyl ether	45		7.686					ND	
38 Vinyl acetate	43		7.704					ND	
40 1,1-Dichloroethane	63		7.753					ND	
39 1,1-Dimethoxyethane	75		7.789					ND	
41 2-Chloro-1,3-butadiene	53		7.850					ND	
42 Tert-butyl ethyl ether	59		8.124					ND	
46 Ethyl acetate	43		8.398					ND	
44 2-Butanone (MEK)	43		8.398					ND	
43 cis-1,2-Dichloroethene	96		8.453					ND	
45 2,2-Dichloropropane	77		8.459					ND	
47 Propionitrile	54		8.525					ND	
48 Methacrylonitrile	41		8.702					ND	
50 Chlorobromomethane	128		8.769					ND	
51 Tetrahydrofuran	42		8.793					ND	
52 1,1,1-Trichloroethane	97		9.073					ND	
54 Cyclohexane	56		9.140					ND	
53 Isobutyl alcohol	43		9.213					ND	
56 1,1-Dichloropropene	75		9.237					ND	
55 Carbon tetrachloride	117		9.274					ND	
140 t-Amyl alcohol	59		9.359					ND	
146 Isooctane	57	9.462	9.481	-0.019	1	4116		0.1151	M
58 Tert-amyl methyl ether	73		9.523					ND	
57 Benzene	78		9.523					ND	
60 1,2-Dichloroethane	62		9.542					ND	
59 n-Heptane	43		9.639					ND	
66 2-Methylthiophene	97		9.687					ND	
67 3-Methylthiophene	97		9.894					ND	
145 Ethyl acrylate	55		10.253					ND	
62 Trichloroethene	95		10.272					ND	
64 Methylcyclohexane	83		10.515					ND	
65 Methyl methacrylate	41		10.551					ND	
63 1,2-Dichloropropane	63		10.582					ND	
68 1,4-Dioxane	88		10.704					ND	
69 Dibromomethane	93		10.770					ND	
70 Dichlorobromomethane	83		10.910					ND	
71 2-Chloroethyl vinyl ether	63		11.172					ND	
72 2-Nitropropane	43		11.184					ND	
74 Epichlorohydrin	57		11.342					ND	
73 cis-1,3-Dichloropropene	75		11.446					ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555					ND	
76 Toluene	92		11.890					ND	
77 Ethyl methacrylate	69		12.121					ND	
78 trans-1,3-Dichloropropene	75		12.151					ND	
79 1,1,2-Trichloroethane	83		12.431					ND	
80 Tetrachloroethene	166		12.632					ND	
83 2-Hexanone	43		12.644					ND	
82 1,3-Dichloropropane	76		12.669					ND	
149 n-Butyl acetate	43		12.735					ND	
81 Chlorodibromomethane	129		13.009					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
85 Ethylene Dibromide	107		13.210					ND	
84 3-Chlorobenzotrifluoride	180		13.611					ND	
139 1-Chlorohexane	55		13.630					ND	
86 4-Chlorobenzotrifluoride	180		13.684					ND	
87 Chlorobenzene	112		13.800					ND	
89 Ethylbenzene	91		13.867					ND	
88 1,1,1,2-Tetrachloroethane	131		13.885					ND	
90 m-Xylene & p-Xylene	106		14.007					ND	
93 o-Xylene	106		14.561					ND	
94 Styrene	104		14.579					ND	
91 2-Chlorobenzotrifluoride	180		14.858					ND	
92 Bromoform	173		14.932					ND	
95 Isopropylbenzene	105		15.005					ND	
96 Cyclohexanone	55		15.248					ND	
97 1,1,2,2-Tetrachloroethane	83		15.424					ND	
98 trans-1,4-Dichloro-2-buten	53		15.479					ND	
101 1,2,3-Trichloropropane	110		15.516					ND	
100 Bromobenzene	156		15.516					ND	
99 N-Propylbenzene	91		15.534					ND	
103 2-Chlorotoluene	126		15.722					ND	
104 3-Chlorotoluene	126		15.789					ND	
107 1,2,4-Trimethylbenzene	105		16.227					ND	
108 Pentachloroethane	167		16.282					ND	
109 sec-Butylbenzene	105		16.440					ND	
112 4-Isopropyltoluene	119		16.592					ND	
143 Benzyl chloride	126		16.939					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.241					ND	
119 1,2,4-Trichlorobenzene	180		19.318					ND	
121 Naphthalene	128		19.713					ND	
122 1,2,3-Trichlorobenzene	180		20.072					ND	
142 2-Methylnaphthalene	142	21.538	21.526	0.012	1	2075		0.0494	
138 Ethylene oxide TIC	1		0.000					ND	
136 Propene oxide TIC	1		0.000					ND	
137 1-Bromopropane TIC	1		0.000					ND	
135 Pentachloroethane TIC	1		0.000					ND	
134 Halothane	1		0.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47	11.805	5.300	6.505	16	494		0	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 128 Hexachloroethane TIC	201		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\PO843.D

Injection Date: 01-Oct-2016 12:04:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

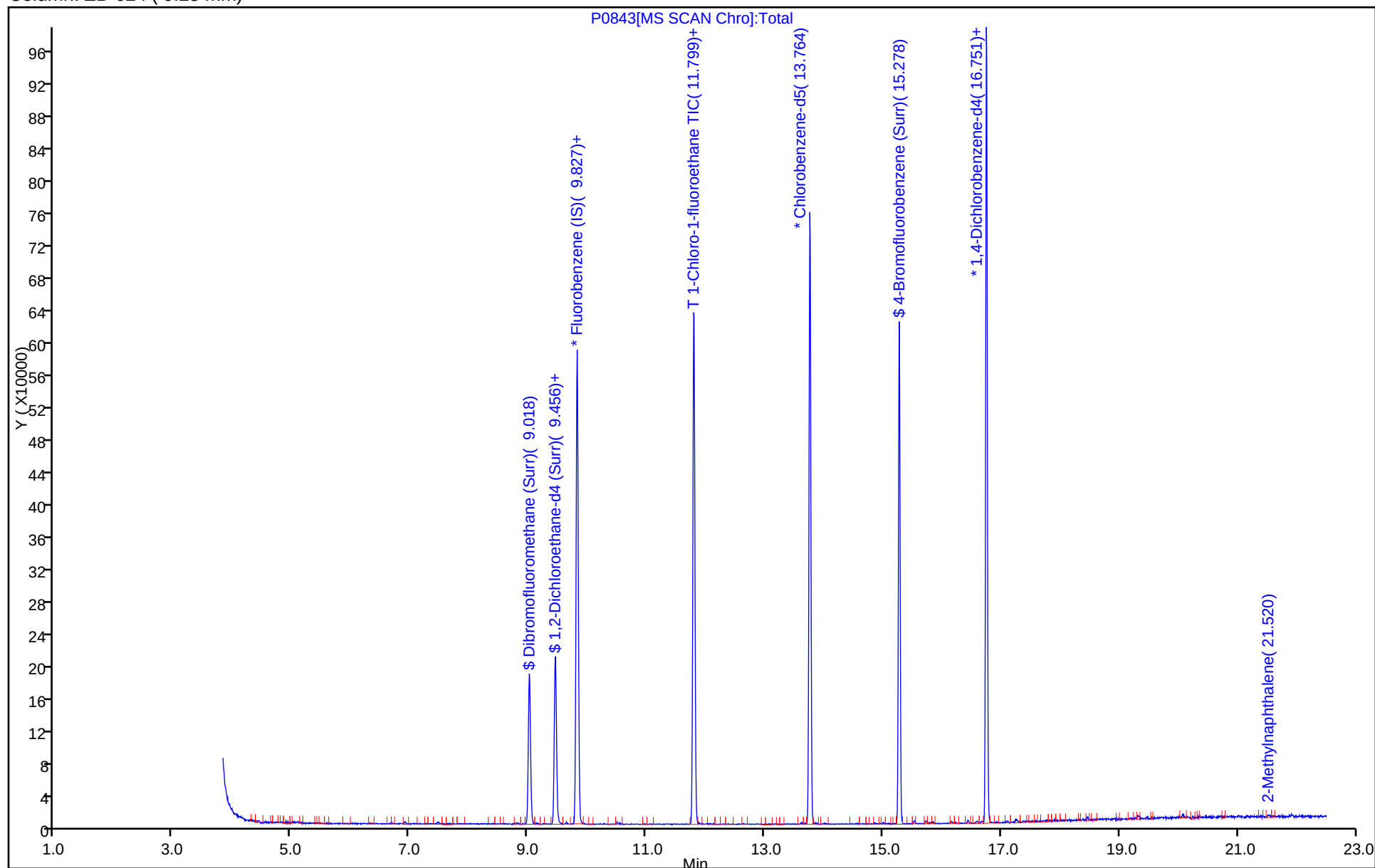
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: P-8260H2O

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.: 480-106799-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-323586/7

Matrix: Water Lab File ID: P0903.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 10/03/2016 20:47

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.: 323586 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)	1.0	U	1.0	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	1.0	U	1.0	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.: 480-106799-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-323586/7
 Matrix: Water Lab File ID: P0903.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 10/03/2016 20:47
 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.: 323586 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)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123
2037-26-5	Toluene-d8 (Surr)	87		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0903.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 03-Oct-2016 20:47:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0056940-007
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 21:08:39 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 21:08:39

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	9.827	9.821	0.006	98	130538	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.764	-0.001	86	271097	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.751	-0.001	96	316134	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	149913	25.0	23.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	92769	25.0	22.2	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.799	-0.001	93	524958	25.0	21.8	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	91	214154	25.0	26.0	
10 Dichlorodifluoromethane	85		3.981					ND	
15 Chlorodifluoromethane	51		4.012					ND	
11 Chloromethane	50		4.297					ND	
17 Vinyl chloride	62		4.529					ND	
144 Butadiene	54		4.541					ND	
12 Bromomethane	94		5.076					ND	
13 Chloroethane	64		5.198					ND	
19 Dichlorofluoromethane	67		5.490					ND	
14 Trichlorofluoromethane	101		5.611					ND	
141 Ethanol	45		5.788					ND	
20 Ethyl ether	59		5.903					ND	
26 Propene oxide	58		6.056					ND	
22 Acrolein	56		6.147					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.244					ND	
25 1,1-Dichloroethene	96		6.287					ND	
24 Acetone	43		6.323					ND	
23 Isopropyl alcohol	45		6.445					ND	
18 Iodomethane	142		6.554					ND	
30 Methyl acetate	43		6.700					ND	
29 Acetonitrile	40		6.731					ND	
33 2-Methyl-2-propanol	59		6.932					ND	
32 Methyl tert-butyl ether	73		7.163					ND	
34 Acrylonitrile	53		7.199					ND	
35 trans-1,2-Dichloroethene	96		7.230					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 Hexane	57		7.467					ND	
37 Isopropyl ether	45		7.686					ND	
38 Vinyl acetate	43		7.704					ND	
40 1,1-Dichloroethane	63		7.753					ND	
39 1,1-Dimethoxyethane	75		7.789					ND	
41 2-Chloro-1,3-butadiene	53		7.856					ND	
42 Tert-butyl ethyl ether	59		8.124					ND	
44 2-Butanone (MEK)	43		8.398					ND	
46 Ethyl acetate	43		8.398					ND	
43 cis-1,2-Dichloroethene	96		8.453					ND	
45 2,2-Dichloropropane	77		8.459					ND	
47 Propionitrile	54		8.532					ND	
48 Methacrylonitrile	41		8.702					ND	
50 Chlorobromomethane	128		8.763					ND	
51 Tetrahydrofuran	42		8.793					ND	
52 1,1,1-Trichloroethane	97		9.067					ND	
54 Cyclohexane	56		9.140					ND	
53 Isobutyl alcohol	43		9.213					ND	
56 1,1-Dichloropropene	75		9.237					ND	
55 Carbon tetrachloride	117		9.274					ND	
140 t-Amyl alcohol	59		9.365					ND	
146 Isooctane	57		9.481					ND	
57 Benzene	78		9.517					ND	
58 Tert-amyl methyl ether	73		9.523					ND	
60 1,2-Dichloroethane	62		9.541					ND	
59 n-Heptane	43		9.645					ND	
66 2-Methylthiophene	97		9.687					ND	
67 3-Methylthiophene	97	9.827	9.894	-0.067	42	42655		NC	
1 1,4-Difluorobenzene	114		9.900					ND	
61 n-Butanol	56		10.016					ND	
145 Ethyl acrylate	55		10.253					ND	
62 Trichloroethene	95		10.278					ND	
64 Methylcyclohexane	83		10.509					ND	
65 Methyl methacrylate	41		10.551					ND	
63 1,2-Dichloropropane	63		10.582					ND	
68 1,4-Dioxane	88		10.697					ND	
69 Dibromomethane	93		10.770					ND	
70 Dichlorobromomethane	83		10.910					ND	
71 2-Chloroethyl vinyl ether	63		11.172					ND	
72 2-Nitropropane	43		11.184					ND	
74 Epichlorohydrin	57		11.342					ND	
73 cis-1,3-Dichloropropene	75		11.446					ND	
75 4-Methyl-2-pentanone (MIBK)	43		11.555					ND	
76 Toluene	92		11.890					ND	
77 Ethyl methacrylate	69		12.115					ND	
78 trans-1,3-Dichloropropene	75		12.145					ND	
79 1,1,2-Trichloroethane	83		12.431					ND	
80 Tetrachloroethene	166		12.632					ND	
83 2-Hexanone	43		12.644					ND	
82 1,3-Dichloropropane	76		12.668					ND	
149 n-Butyl acetate	43		12.729					ND	
81 Chlorodibromomethane	129		13.015					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
85 Ethylene Dibromide	107		13.210					ND	
84 3-Chlorobenzotrifluoride	180		13.611					ND	
139 1-Chlorohexane	55		13.630					ND	
86 4-Chlorobenzotrifluoride	180		13.684					ND	
87 Chlorobenzene	112		13.800					ND	
89 Ethylbenzene	91		13.867					ND	
88 1,1,1,2-Tetrachloroethane	131		13.885					ND	
90 m-Xylene & p-Xylene	106		14.007					ND	
93 o-Xylene	106		14.560					ND	
94 Styrene	104		14.579					ND	
91 2-Chlorobenzotrifluoride	180		14.859					ND	
92 Bromoform	173		14.932					ND	
95 Isopropylbenzene	105		15.005					ND	
96 Cyclohexanone	55		15.248					ND	
97 1,1,2,2-Tetrachloroethane	83		15.430					ND	
98 trans-1,4-Dichloro-2-buten	53		15.479					ND	
101 1,2,3-Trichloropropane	110		15.516					ND	
100 Bromobenzene	156		15.522					ND	
99 N-Propylbenzene	91		15.534					ND	
103 2-Chlorotoluene	126		15.722					ND	
104 3-Chlorotoluene	126		15.789					ND	
105 4-Chlorotoluene	126		15.850					ND	
106 tert-Butylbenzene	134		16.166					ND	
107 1,2,4-Trimethylbenzene	105		16.227					ND	
108 Pentachloroethane	167		16.282					ND	
109 sec-Butylbenzene	105		16.440					ND	
112 4-Isopropyltoluene	119		16.592					ND	
114 Dicyclopentadiene	66		16.805					ND	
143 Benzyl chloride	126		16.939					ND	
115 n-Butylbenzene	91		17.103					ND	
116 1,2-Dichlorobenzene	146		17.274					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.247					ND	
118 1,3,5-Trichlorobenzene	180		18.460					ND	
119 1,2,4-Trichlorobenzene	180		19.318					ND	
120 Hexachlorobutadiene	225		19.470					ND	
121 Naphthalene	128		19.713					ND	
122 1,2,3-Trichlorobenzene	180		20.072					ND	
142 2-Methylnaphthalene	142		21.526					ND	
138 Ethylene oxide TIC	1		0.000					ND	
136 Propene oxide TIC	1		0.000					ND	
137 1-Bromopropane TIC	1		0.000					ND	
135 Pentachloroethane TIC	1		0.000					ND	
134 Halothane	1		0.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		5.300					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 128 Hexachloroethane TIC	201		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
T 132 tert-amyl alcohol TIC	1		0.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\PO903.D

Injection Date: 03-Oct-2016 20:47:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

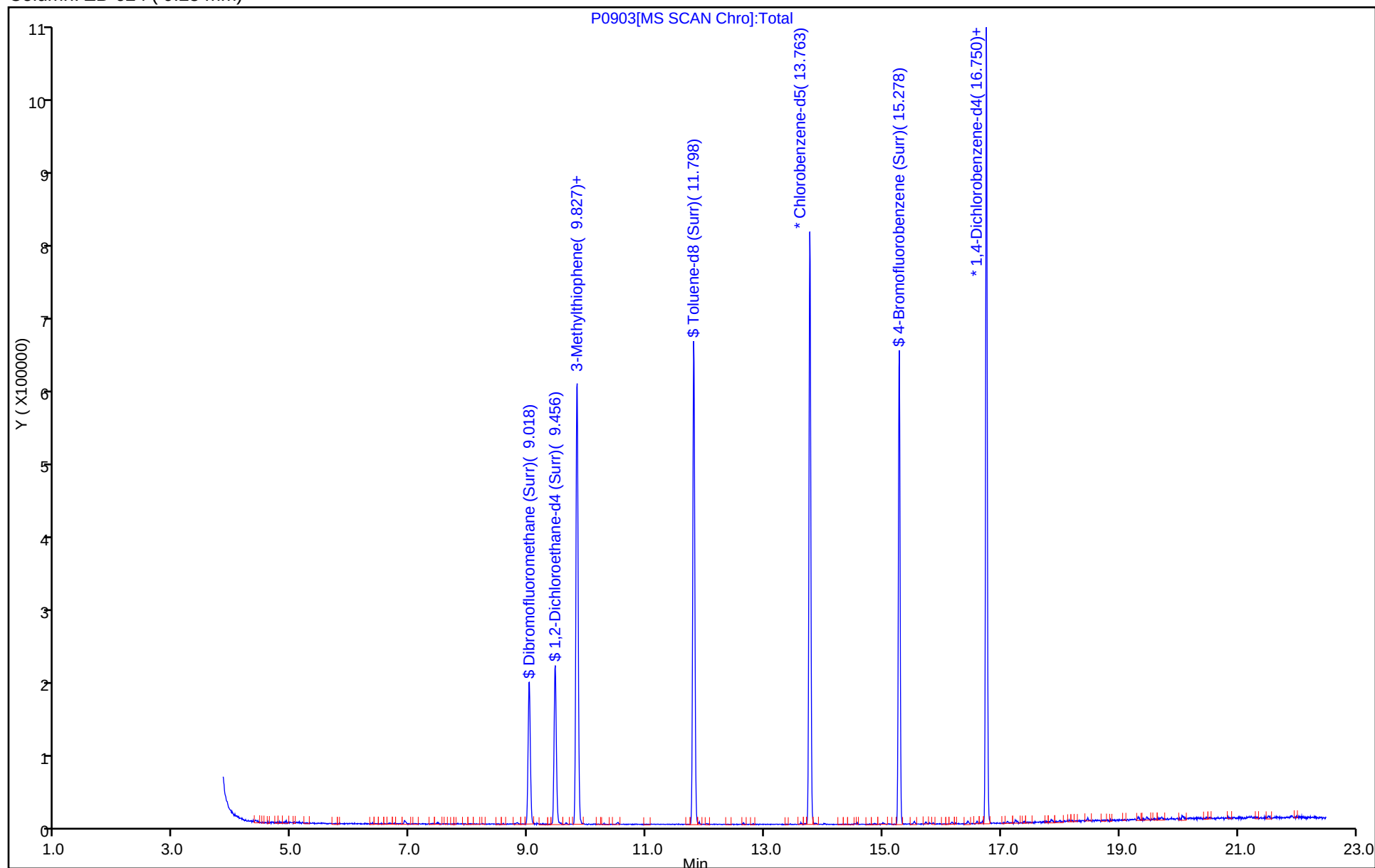
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: P-8260H2O

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.: 480-106799-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-323329/4

Matrix: Water Lab File ID: P0816.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 09/30/2016 22:22

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.: 323329 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.1		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	22.4		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23.8		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.1		1.0	0.23
75-34-3	1,1-Dichloroethane	22.8		1.0	0.38
75-35-4	1,1-Dichloroethene	23.4		1.0	0.29
526-73-8	1,2,3-Trimethylbenzene	23.0		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	22.2		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	23.0		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	21.6		1.0	0.39
106-93-4	1,2-Dibromoethane	25.1		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.0		1.0	0.79
107-06-2	1,2-Dichloroethane	24.8		1.0	0.21
78-87-5	1,2-Dichloropropane	23.0		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	23.0		1.0	0.77
541-73-1	1,3-Dichlorobenzene	23.9		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.2		1.0	0.84
78-93-3	2-Butanone (MEK)	196		10	1.3
591-78-6	2-Hexanone	114		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	109		5.0	2.1
67-64-1	Acetone	116		10	3.0
71-43-2	Benzene	22.7		1.0	0.41
75-27-4	Bromodichloromethane	25.0		1.0	0.39
75-25-2	Bromoform	26.6		1.0	0.26
74-83-9	Bromomethane	30.3		1.0	0.69
75-15-0	Carbon disulfide	27.6		1.0	0.19
56-23-5	Carbon tetrachloride	25.9		1.0	0.27
108-90-7	Chlorobenzene	25.2		1.0	0.75
75-00-3	Chloroethane	28.6		1.0	0.32
67-66-3	Chloroform	23.8		1.0	0.34
74-87-3	Chloromethane	23.8		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.2		1.0	0.36
110-82-7	Cyclohexane	21.8		1.0	0.18
124-48-1	Dibromochloromethane	26.3		1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-323329/4

Matrix: Water Lab File ID: P0816.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 09/30/2016 22:22

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.: 323329 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	30.3		1.0	0.68
100-41-4	Ethylbenzene	24.4		1.0	0.74
98-82-8	Isopropylbenzene	22.3		1.0	0.79
79-20-9	Methyl acetate	108		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.0		1.0	0.16
108-87-2	Methylcyclohexane	22.0		1.0	0.16
75-09-2	Methylene Chloride	24.5		1.0	0.44
100-42-5	Styrene	24.3		1.0	0.73
127-18-4	Tetrachloroethene	28.2		1.0	0.36
108-88-3	Toluene	23.6		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.8		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.1		1.0	0.37
79-01-6	Trichloroethene	24.5		1.0	0.46
75-69-4	Trichlorofluoromethane	25.2		1.0	0.88
75-01-4	Vinyl chloride	24.1		1.0	0.90
1330-20-7	Xylenes, Total	48.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	91		75-123
2037-26-5	Toluene-d8 (Surr)	91		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P0816.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 30-Sep-2016 22:22:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0056891-004
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20160930-56891.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 10:40:09 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 10:41:40

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	9.827	9.821	0.006	98	145162	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	81	291239	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	89	332397	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.012	0.000	57	162850	25.0	22.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	108790	25.0	23.4	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	83	587097	25.0	22.7	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.272	0.006	90	235109	25.0	26.5	
10 Dichlorodifluoromethane	85	3.981	3.987	-0.006	86	366215	25.0	30.3	
15 Chlorodifluoromethane	51	3.999	4.005	-0.006	76	375242	25.0	24.0	
11 Chloromethane	50	4.297	4.291	0.006	88	301371	25.0	23.8	
17 Vinyl chloride	62	4.529	4.529	0.000	83	220497	25.0	24.1	
144 Butadiene	54	4.547	4.541	0.006	93	229463	25.0	23.1	
12 Bromomethane	94	5.076	5.070	0.006	86	119508	25.0	30.3	
13 Chloroethane	64	5.204	5.204	0.000	93	139768	25.0	28.6	
19 Dichlorofluoromethane	67	5.490	5.490	0.000	83	400288	25.0	25.0	
14 Trichlorofluoromethane	101	5.611	5.612	-0.001	85	426309	25.0	25.2	
141 Ethanol	45	5.782	5.776	0.006	90	107431	1000.0	380.3	
20 Ethyl ether	59	5.903	5.904	-0.001	94	266441	25.0	23.6	
26 Propene oxide	58	6.049	6.056	-0.007	88	461426	NC	NC	
22 Acrolein	56	6.153	6.147	0.006	73	304996	125.0	109.6	
16 1,1,2-Trichloro-1,2,2-trif	101	6.244	6.238	0.006	80	266349	25.0	23.8	
25 1,1-Dichloroethene	96	6.293	6.287	0.006	85	228116	25.0	23.4	
24 Acetone	43	6.329	6.323	0.006	98	693668	125.0	116.4	
23 Isopropyl alcohol	45	6.439	6.433	0.006	67	303093	250.0	166.0	
18 Iodomethane	142	6.560	6.548	0.012	98	471578	25.0	25.2	
27 Carbon disulfide	76	6.670	6.670	0.000	99	909429	25.0	27.6	
30 Methyl acetate	43	6.706	6.701	0.005	100	1691817	125.0	108.2	
29 Acetonitrile	40	6.731	6.725	0.006	81	357144	250.0	235.6	
28 3-Chloro-1-propene	41	6.737	6.737	0.000	85	985648	25.0	42.7	
31 Methylene Chloride	84	6.913	6.907	0.006	91	252600	25.0	24.5	
33 2-Methyl-2-propanol	59	6.938	6.932	0.006	95	557969	250.0	210.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73	7.163	7.169	-0.006	93	794372	25.0	24.0	
34 Acrylonitrile	53	7.199	7.199	0.000	98	1589482	250.0	214.0	
35 trans-1,2-Dichloroethene	96	7.236	7.230	0.006	91	243900	25.0	23.8	
36 Hexane	57	7.467	7.467	0.000	96	372249	25.0	20.4	
37 Isopropyl ether	45	7.680	7.686	-0.006	80	1075445	25.0	22.9	
38 Vinyl acetate	43	7.704	7.698	0.006	96	1981557	50.0	58.6	
40 1,1-Dichloroethane	63	7.759	7.753	0.006	82	492821	25.0	22.8	
39 1,1-Dimethoxyethane	75	7.783	7.783	0.000	65	357788	125.0	107.1	
41 2-Chloro-1,3-butadiene	53	7.850	7.850	0.000	78	466579	25.0	22.4	
42 Tert-butyl ethyl ether	59	8.124	8.124	0.000	99	967288	25.0	23.7	
46 Ethyl acetate	43	8.398	8.398	0.000	95	2066259	50.0	102.7	
44 2-Butanone (MEK)	43	8.398	8.398	0.000	94	2070030	125.0	195.9	
43 cis-1,2-Dichloroethene	96	8.459	8.453	0.006	64	267624	25.0	23.9	
45 2,2-Dichloropropane	77	8.459	8.459	0.000	59	368973	25.0	24.9	
47 Propionitrile	54	8.525	8.525	0.000	86	641707	250.0	213.2	
48 Methacrylonitrile	41	8.696	8.696	0.000	96	2383756	250.0	216.1	
50 Chlorobromomethane	128	8.775	8.769	0.006	71	144037	25.0	24.9	
51 Tetrahydrofuran	42	8.799	8.793	0.006	36	288768	50.0	39.5	
49 Chloroform	83	8.811	8.805	0.006	72	413533	25.0	23.8	
52 1,1,1-Trichloroethane	97	9.073	9.067	0.006	90	392764	25.0	25.1	
54 Cyclohexane	56	9.140	9.134	0.006	94	532028	25.0	21.8	
53 Isobutyl alcohol	43	9.219	9.219	0.000	87	473783	625.0	398.7	
56 1,1-Dichloropropene	75	9.243	9.237	0.006	85	325829	25.0	23.9	
55 Carbon tetrachloride	117	9.274	9.274	0.000	79	380070	25.0	25.9	
140 t-Amyl alcohol	59	9.353	9.353	0.000	79	497825	250.0	210.0	
146 Isooctane	57	9.481	9.487	-0.006	97	753813	25.0	19.8	
58 Tert-amyl methyl ether	73	9.523	9.523	0.000	81	764147	25.0	24.0	
57 Benzene	78	9.523	9.523	0.000	94	899032	25.0	22.7	
60 1,2-Dichloroethane	62	9.547	9.542	0.005	85	406399	25.0	24.8	
59 n-Heptane	43	9.645	9.639	0.006	97	357879	25.0	18.6	
1 1,4-Difluorobenzene	114	9.900	9.900	0.000	41	764827	25.0	24.7	
61 n-Butanol	56	10.016	10.010	0.006	90	305024	625.0	428.1	
145 Ethyl acrylate	55	10.253	10.247	0.006	98	500733	25.0	22.9	
62 Trichloroethene	95	10.278	10.272	0.006	88	261656	25.0	24.5	
64 Methylcyclohexane	83	10.515	10.509	0.006	96	385092	25.0	22.0	
65 Methyl methacrylate	41	10.557	10.551	0.006	91	1082543	50.0	69.7	
63 1,2-Dichloropropane	63	10.588	10.582	0.006	83	265854	25.0	23.0	
68 1,4-Dioxane	88	10.703	10.697	0.006	92	80936	500.0	509.2	
69 Dibromomethane	93	10.776	10.770	0.006	86	174016	25.0	24.6	
70 Dichlorobromomethane	83	10.916	10.910	0.006	91	317409	25.0	25.0	
71 2-Chloroethyl vinyl ether	63	11.178	11.172	0.006	69	212436	25.0	23.0	
72 2-Nitropropane	43	11.178	11.178	0.000	82	439928	50.0	65.2	
74 Epichlorohydrin	57	11.348	11.342	0.006	98	461161	250.0	218.6	
73 cis-1,3-Dichloropropene	75	11.452	11.446	0.006	83	413089	25.0	25.2	
75 4-Methyl-2-pentanone (MIBK)	43	11.555	11.555	0.000	98	2257446	125.0	109.4	
76 Toluene	92	11.890	11.890	0.000	91	600720	25.0	23.6	
77 Ethyl methacrylate	69	12.121	12.115	0.006	92	342812	25.0	23.0	
78 trans-1,3-Dichloropropene	75	12.151	12.145	0.006	94	380235	25.0	25.1	
79 1,1,2-Trichloroethane	83	12.437	12.431	0.006	87	190583	25.0	24.1	
80 Tetrachloroethene	166	12.638	12.632	0.006	39	309756	25.0	28.2	
83 2-Hexanone	43	12.644	12.644	0.000	98	1620606	125.0	114.2	
82 1,3-Dichloropropane	76	12.674	12.669	0.005	94	383206	25.0	24.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
149 n-Butyl acetate	43	12.735	12.729	0.006	76	709886	25.0	23.1	
81 Chlorodibromomethane	129	13.015	13.009	0.006	86	283848	25.0	26.3	
85 Ethylene Dibromide	107	13.216	13.210	0.006	97	273867	25.0	25.1	
84 3-Chlorobenzotrifluoride	180	13.611	13.611	0.000	91	378609	25.0	22.5	
139 1-Chlorohexane	55	13.630	13.630	0.000	93	268267	25.0	22.0	
86 4-Chlorobenzotrifluoride	180	13.684	13.684	0.000	82	354960	25.0	22.9	
87 Chlorobenzene	112	13.806	13.800	0.006	93	714185	25.0	25.2	
89 Ethylbenzene	91	13.873	13.867	0.006	57	1126971	25.0	24.4	
88 1,1,1,2-Tetrachloroethane	131	13.885	13.885	0.000	48	273312	25.0	25.7	
90 m-Xylene & p-Xylene	106	14.013	14.007	0.006	0	472085	25.0	23.9	
93 o-Xylene	106	14.560	14.561	-0.001	94	478681	25.0	24.5	
94 Styrene	104	14.579	14.579	0.000	92	753652	25.0	24.3	
91 2-Chlorobenzotrifluoride	180	14.858	14.858	0.000	96	394428	25.0	22.8	
92 Bromoform	173	14.931	14.932	-0.001	90	192699	25.0	26.6	
95 Isopropylbenzene	105	15.004	14.999	0.005	94	1190930	25.0	22.3	
96 Cyclohexanone	55	15.248	15.248	0.000	94	175712	250.0	202.5	
97 1,1,2,2-Tetrachloroethane	83	15.430	15.424	0.006	89	362147	25.0	22.4	
98 trans-1,4-Dichloro-2-buten	53	15.485	15.479	0.006	83	147054	25.0	20.4	
100 Bromobenzene	156	15.522	15.516	0.006	76	320228	25.0	24.3	
101 1,2,3-Trichloropropane	110	15.522	15.516	0.006	55	115664	25.0	23.3	
99 N-Propylbenzene	91	15.534	15.534	0.000	91	1347337	25.0	22.5	
103 2-Chlorotoluene	126	15.722	15.722	0.000	94	297682	25.0	23.1	
102 1,3,5-Trimethylbenzene	105	15.728	15.729	-0.001	87	1014559	25.0	23.0	
104 3-Chlorotoluene	126	15.789	15.789	0.000	93	342076	25.0	24.8	
105 4-Chlorotoluene	126	15.850	15.850	0.000	98	322078	25.0	23.8	
106 tert-Butylbenzene	134	16.166	16.167	-0.001	87	227317	25.0	22.5	
107 1,2,4-Trimethylbenzene	105	16.233	16.227	0.006	55	1081590	25.0	23.0	
108 Pentachloroethane	167	16.282	16.282	0.000	62	175961	25.0	29.5	
109 sec-Butylbenzene	105	16.440	16.440	0.000	94	1266757	25.0	21.9	
112 4-Isopropyltoluene	119	16.592	16.592	0.000	93	1152025	25.0	22.7	
110 1,3-Dichlorobenzene	146	16.677	16.678	-0.001	98	649520	25.0	23.9	
111 1,4-Dichlorobenzene	146	16.787	16.781	0.006	77	630237	25.0	23.2	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	94	1124527	25.0	23.0	
114 Dicyclopentadiene	66	16.805	16.805	0.000	97	954348	25.0	21.5	
143 Benzyl chloride	126	16.939	16.939	0.000	98	179336	25.0	27.3	
115 n-Butylbenzene	91	17.103	17.103	0.000	95	960106	25.0	21.9	
116 1,2-Dichlorobenzene	146	17.274	17.268	0.006	97	654029	25.0	24.0	
117 1,2-Dibromo-3-Chloropropan	75	18.247	18.247	0.000	78	93385	25.0	21.6	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	96	476851	25.0	23.3	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	94	452797	25.0	22.2	
120 Hexachlorobutadiene	225	19.470	19.470	0.000	93	150996	25.0	19.8	
121 Naphthalene	128	19.719	19.713	0.006	97	1497766	25.0	22.0	
122 1,2,3-Trichlorobenzene	180	20.072	20.072	0.000	93	431080	25.0	21.3	
142 2-Methylnaphthalene	142	21.526	21.526	0.000	89	848297	25.0	19.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8260 CORP mix_00083	Amount Added: 12.50	Units: uL	
GAS CORP mix_00181	Amount Added: 12.50	Units: uL	
ADD CORP mix_00051	Amount Added: 12.50	Units: uL	
P 8260 IS_00170	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr_00196	Amount Added: 1.25	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20160930-56891.b\\P0816.D

Injection Date: 30-Sep-2016 22:22:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

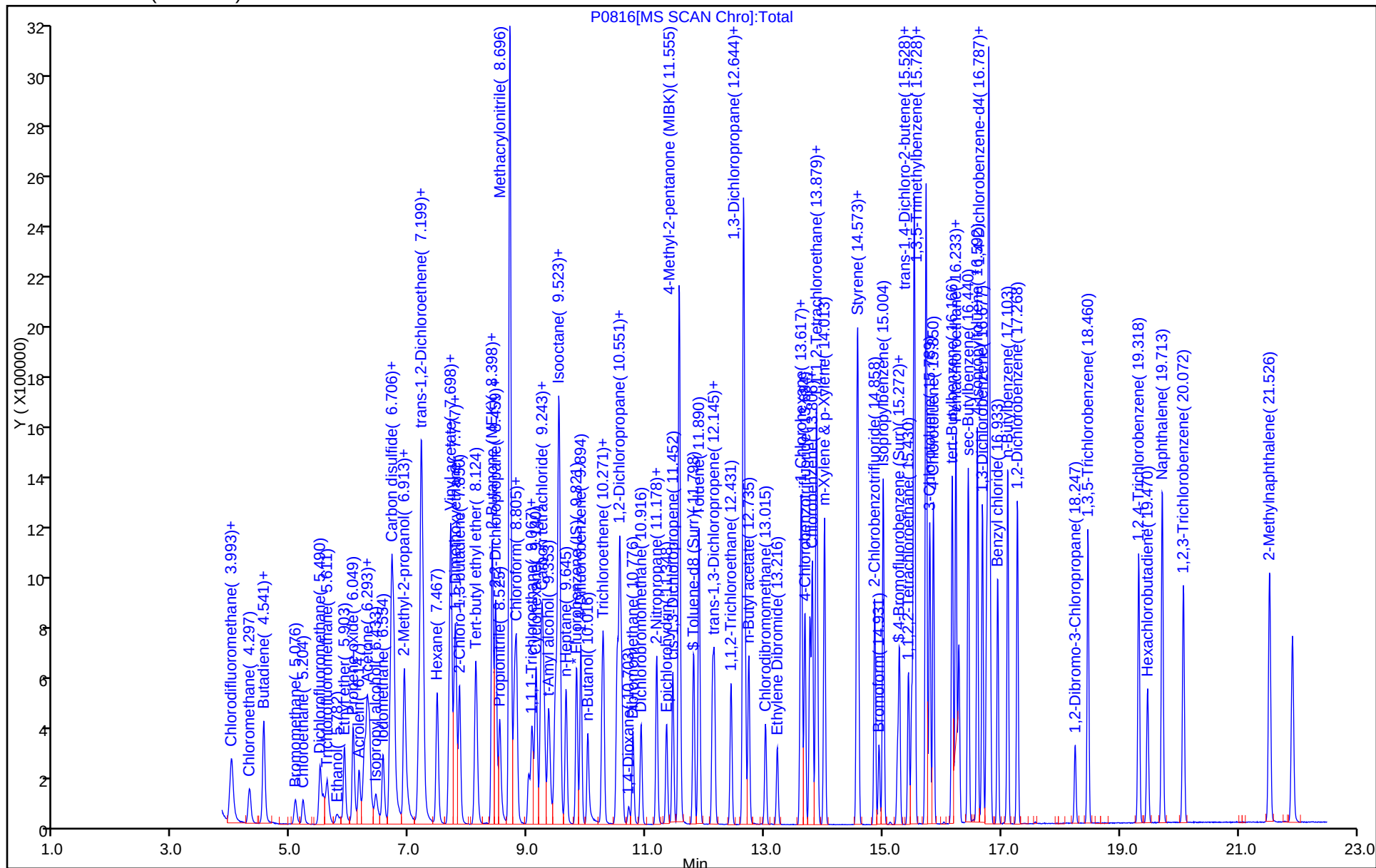
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: P-8260H2O

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.: 480-106799-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-323358/5

Matrix: Water Lab File ID: P0841.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 11:10

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 323358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.9		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	22.9		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.3		1.0	0.31
79-00-5	1,1,2-Trichloroethane	23.3		1.0	0.23
75-34-3	1,1-Dichloroethane	22.7		1.0	0.38
75-35-4	1,1-Dichloroethene	23.9		1.0	0.29
526-73-8	1,2,3-Trimethylbenzene	22.5		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	21.9		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	22.7		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	22.1		1.0	0.39
106-93-4	1,2-Dibromoethane	24.6		1.0	0.73
95-50-1	1,2-Dichlorobenzene	23.6		1.0	0.79
107-06-2	1,2-Dichloroethane	25.5		1.0	0.21
78-87-5	1,2-Dichloropropane	22.7		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	22.8		1.0	0.77
541-73-1	1,3-Dichlorobenzene	23.6		1.0	0.78
106-46-7	1,4-Dichlorobenzene	22.9		1.0	0.84
78-93-3	2-Butanone (MEK)	203		10	1.3
591-78-6	2-Hexanone	115		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	109		5.0	2.1
67-64-1	Acetone	123		10	3.0
71-43-2	Benzene	22.6		1.0	0.41
75-27-4	Bromodichloromethane	25.2		1.0	0.39
75-25-2	Bromoform	26.2		1.0	0.26
74-83-9	Bromomethane	21.5		1.0	0.69
75-15-0	Carbon disulfide	27.5		1.0	0.19
56-23-5	Carbon tetrachloride	26.5		1.0	0.27
108-90-7	Chlorobenzene	24.1		1.0	0.75
75-00-3	Chloroethane	17.9		1.0	0.32
67-66-3	Chloroform	23.9		1.0	0.34
74-87-3	Chloromethane	23.1		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.2		1.0	0.36
110-82-7	Cyclohexane	22.5		1.0	0.18
124-48-1	Dibromochloromethane	25.5		1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-323358/5

Matrix: Water Lab File ID: P0841.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 11:10

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 323358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	30.7		1.0	0.68
100-41-4	Ethylbenzene	23.4		1.0	0.74
98-82-8	Isopropylbenzene	22.0		1.0	0.79
79-20-9	Methyl acetate	113		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.2		1.0	0.16
108-87-2	Methylcyclohexane	21.8		1.0	0.16
75-09-2	Methylene Chloride	24.3		1.0	0.44
100-42-5	Styrene	23.5		1.0	0.73
127-18-4	Tetrachloroethene	26.8		1.0	0.36
108-88-3	Toluene	22.5		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.6		1.0	0.37
79-01-6	Trichloroethene	23.9		1.0	0.46
75-69-4	Trichlorofluoromethane	25.3		1.0	0.88
75-01-4	Vinyl chloride	23.0		1.0	0.90
1330-20-7	Xylenes, Total	45.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123
2037-26-5	Toluene-d8 (Surr)	88		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0841.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 01-Oct-2016 11:10:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0056898-005
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 01-Oct-2016 12:11:24 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: goliszekg

Date: 01-Oct-2016 12:11:24

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	9.827	9.827	0.000	98	140441	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	85	293678	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	93	326190	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.012	9.018	-0.006	93	161635	25.0	23.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	107538	25.0	23.9	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.798	0.000	92	574142	25.0	22.0	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	91	233239	25.0	26.1	
10 Dichlorodifluoromethane	85	3.975	3.993	-0.018	98	358588	25.0	30.7	
15 Chlorodifluoromethane	51	3.999	4.011	-0.012	97	350510	25.0	23.1	
11 Chloromethane	50	4.297	4.304	-0.007	99	283211	25.0	23.1	
17 Vinyl chloride	62	4.522	4.535	-0.013	98	203412	25.0	23.0	
144 Butadiene	54	4.541	4.553	-0.012	95	216473	25.0	22.6	
12 Bromomethane	94	5.064	5.070	-0.006	93	81917	25.0	21.5	
13 Chloroethane	64	5.198	5.204	-0.006	97	84615	25.0	17.9	
19 Dichlorofluoromethane	67	5.484	5.490	-0.006	97	308887	25.0	19.9	
14 Trichlorofluoromethane	101	5.605	5.612	-0.007	98	414810	25.0	25.3	
141 Ethanol	45	5.903	5.782	0.121	98	394464	1000.0	1443.5	
20 Ethyl ether	59	5.903	5.904	-0.001	98	261964	25.0	24.0	
26 Propene oxide	58	6.049	6.055	-0.006	96	464065	NC	NC	
22 Acrolein	56	6.153	6.153	0.000	100	306529	125.0	113.8	
16 1,1,2-Trichloro-1,2,2-trif	101	6.244	6.238	0.006	94	263295	25.0	24.3	
25 1,1-Dichloroethene	96	6.293	6.287	0.006	94	226088	25.0	23.9	
24 Acetone	43	6.329	6.329	0.000	99	707504	125.0	122.7	
23 Isopropyl alcohol	45	6.439	6.439	0.000	99	316054	250.0	178.9	
18 Iodomethane	142	6.554	6.555	-0.001	99	449085	25.0	24.8	
27 Carbon disulfide	76	6.670	6.670	0.000	100	878247	25.0	27.5	
30 Methyl acetate	43	6.700	6.701	-0.001	100	1706486	125.0	112.8	
29 Acetonitrile	40	6.725	6.731	-0.006	79	363520	250.0	247.9	
28 3-Chloro-1-propene	41	6.737	6.737	0.000	85	974247	25.0	43.7	
31 Methylene Chloride	84	6.913	6.913	0.000	95	243121	25.0	24.3	
33 2-Methyl-2-propanol	59	6.944	6.938	0.006	99	566925	250.0	221.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73	7.169	7.169	0.000	99	776729	25.0	24.2	
34 Acrylonitrile	53	7.205	7.205	0.000	97	1577188	250.0	219.5	
35 trans-1,2-Dichloroethene	96	7.236	7.236	0.000	93	229287	25.0	23.2	
36 Hexane	57	7.467	7.467	0.000	95	379169	25.0	21.4	
37 Isopropyl ether	45	7.686	7.686	0.000	86	1053469	25.0	23.2	
38 Vinyl acetate	43	7.704	7.704	0.000	96	1989201	50.0	60.8	
40 1,1-Dichloroethane	63	7.759	7.753	0.006	97	473947	25.0	22.7	
39 1,1-Dimethoxyethane	75	7.783	7.789	-0.006	96	369721	125.0	114.4	
41 2-Chloro-1,3-butadiene	53	7.844	7.850	-0.006	95	462036	25.0	23.0	
42 Tert-butyl ethyl ether	59	8.124	8.124	0.000	99	930701	25.0	23.6	
46 Ethyl acetate	43	8.404	8.398	0.006	95	2064686	50.0	106.0	
44 2-Butanone (MEK)	43	8.404	8.398	0.006	95	2070688	125.0	202.6	
43 cis-1,2-Dichloroethene	96	8.458	8.453	0.005	86	259246	25.0	23.9	
45 2,2-Dichloropropane	77	8.458	8.459	-0.001	87	359920	25.0	25.1	
47 Propionitrile	54	8.531	8.525	0.006	99	651538	250.0	223.8	
48 Methacrylonitrile	41	8.696	8.702	-0.006	96	2367201	250.0	221.8	
50 Chlorobromomethane	128	8.769	8.769	0.000	93	140488	25.0	25.1	
51 Tetrahydrofuran	42	8.799	8.793	0.006	96	297198	50.0	42.0	
49 Chloroform	83	8.811	8.805	0.006	94	401657	25.0	23.9	
52 1,1,1-Trichloroethane	97	9.073	9.073	0.000	98	377285	25.0	24.9	
54 Cyclohexane	56	9.140	9.140	0.000	93	530514	25.0	22.5	
53 Isobutyl alcohol	43	9.219	9.213	0.006	96	529049	625.0	460.2	
56 1,1-Dichloropropene	75	9.243	9.237	0.006	91	314154	25.0	23.8	
55 Carbon tetrachloride	117	9.274	9.274	0.000	97	376080	25.0	26.5	
140 t-Amyl alcohol	59	9.359	9.359	0.000	94	497586	250.0	216.9	
146 Isooctane	57	9.481	9.481	0.000	97	770426	25.0	20.9	
58 Tert-amyl methyl ether	73	9.523	9.523	0.000	93	729629	25.0	23.7	
57 Benzene	78	9.523	9.523	0.000	97	866580	25.0	22.6	
60 1,2-Dichloroethane	62	9.547	9.542	0.005	97	402965	25.0	25.5	
59 n-Heptane	43	9.645	9.639	0.006	98	357064	25.0	19.1	
1 1,4-Difluorobenzene	114	9.894	9.894	0.000	95	727204	25.0	24.3	
61 n-Butanol	56	10.016	10.016	0.000	91	335948	625.0	487.3	
145 Ethyl acrylate	55	10.253	10.253	0.000	99	501261	25.0	23.7	
62 Trichloroethene	95	10.277	10.272	0.005	94	247007	25.0	23.9	
64 Methylcyclohexane	83	10.509	10.515	-0.006	98	369182	25.0	21.8	
65 Methyl methacrylate	41	10.557	10.551	0.006	93	1066495	50.0	71.0	
63 1,2-Dichloropropane	63	10.588	10.582	0.006	84	253402	25.0	22.7	
68 1,4-Dioxane	88	10.703	10.704	-0.001	98	84284	500.0	525.8	
69 Dibromomethane	93	10.776	10.770	0.006	95	172207	25.0	25.2	
70 Dichlorobromomethane	83	10.910	10.910	0.000	96	308580	25.0	25.2	
71 2-Chloroethyl vinyl ether	63	11.172	11.172	0.000	79	208393	25.0	23.4	
72 2-Nitropropane	43	11.178	11.184	-0.006	86	444473	50.0	67.1	
74 Epichlorohydrin	57	11.342	11.342	0.000	99	473162	250.0	231.8	
73 cis-1,3-Dichloropropene	75	11.452	11.446	0.006	91	399815	25.0	25.2	
75 4-Methyl-2-pentanone (MIBK)	43	11.555	11.555	0.000	99	2278384	125.0	109.5	
76 Toluene	92	11.890	11.890	0.000	98	578357	25.0	22.5	
77 Ethyl methacrylate	69	12.121	12.121	0.000	95	338144	25.0	22.5	
78 trans-1,3-Dichloropropene	75	12.151	12.151	0.000	97	374363	25.0	24.6	
79 1,1,2-Trichloroethane	83	12.431	12.431	0.000	93	185761	25.0	23.3	
80 Tetrachloroethene	166	12.638	12.632	0.006	94	296365	25.0	26.8	
83 2-Hexanone	43	12.644	12.644	0.000	100	1642606	125.0	114.8	
82 1,3-Dichloropropane	76	12.674	12.669	0.005	97	377856	25.0	24.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
149 n-Butyl acetate	43	12.729	12.735	-0.006	98	695671	25.0	22.5	
81 Chlorodibromomethane	129	13.015	13.009	0.006	91	277636	25.0	25.5	
85 Ethylene Dibromide	107	13.216	13.210	0.006	98	269944	25.0	24.6	
84 3-Chlorobenzotrifluoride	180	13.611	13.611	0.000	92	371125	25.0	22.5	
139 1-Chlorohexane	55	13.630	13.630	0.000	91	265078	25.0	21.5	
86 4-Chlorobenzotrifluoride	180	13.684	13.684	0.000	96	347777	25.0	22.8	
87 Chlorobenzene	112	13.806	13.800	0.006	95	689504	25.0	24.1	
89 Ethylbenzene	91	13.873	13.867	0.006	98	1089417	25.0	23.4	
88 1,1,1,2-Tetrachloroethane	131	13.885	13.885	0.000	95	266060	25.0	24.8	
90 m-Xylene & p-Xylene	106	14.013	14.007	0.006	0	448587	25.0	22.6	
93 o-Xylene	106	14.560	14.561	-0.001	97	458562	25.0	23.3	
94 Styrene	104	14.579	14.579	0.000	96	734983	25.0	23.5	
91 2-Chlorobenzotrifluoride	180	14.864	14.858	0.006	96	388958	25.0	22.9	
92 Bromoform	173	14.931	14.932	-0.001	96	191237	25.0	26.2	
95 Isopropylbenzene	105	15.004	15.005	-0.001	96	1152460	25.0	22.0	
96 Cyclohexanone	55	15.242	15.248	-0.006	95	181276	250.0	212.9	
97 1,1,2,2-Tetrachloroethane	83	15.430	15.424	0.006	96	362841	25.0	22.9	
98 trans-1,4-Dichloro-2-buten	53	15.485	15.479	0.006	83	150279	25.0	21.2	
100 Bromobenzene	156	15.522	15.516	0.006	93	307719	25.0	23.8	
101 1,2,3-Trichloropropane	110	15.515	15.516	-0.001	76	115029	25.0	23.6	
99 N-Propylbenzene	91	15.534	15.534	0.000	99	1323823	25.0	22.5	
103 2-Chlorotoluene	126	15.722	15.722	0.000	96	293590	25.0	23.2	
102 1,3,5-Trimethylbenzene	105	15.728	15.729	-0.001	95	989573	25.0	22.8	
104 3-Chlorotoluene	126	15.789	15.789	0.000	97	313906	25.0	23.2	
105 4-Chlorotoluene	126	15.850	15.850	0.000	98	307130	25.0	23.2	
106 tert-Butylbenzene	134	16.172	16.167	0.005	93	216895	25.0	21.9	
107 1,2,4-Trimethylbenzene	105	16.227	16.227	0.000	96	1047488	25.0	22.7	
108 Pentachloroethane	167	16.282	16.282	0.000	89	173498	25.0	29.7	
109 sec-Butylbenzene	105	16.440	16.440	0.000	94	1241240	25.0	21.9	
112 4-Isopropyltoluene	119	16.592	16.592	0.000	97	1121452	25.0	22.5	
110 1,3-Dichlorobenzene	146	16.677	16.678	-0.001	99	630082	25.0	23.6	
111 1,4-Dichlorobenzene	146	16.787	16.781	0.006	94	611363	25.0	22.9	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	98	1078253	25.0	22.5	
114 Dicyclopentadiene	66	16.811	16.805	0.006	98	932693	25.0	21.4	
143 Benzyl chloride	126	16.939	16.939	0.000	99	184871	25.0	28.6	
115 n-Butylbenzene	91	17.103	17.103	0.000	98	930848	25.0	21.7	
116 1,2-Dichlorobenzene	146	17.267	17.268	-0.001	97	632586	25.0	23.6	
117 1,2-Dibromo-3-Chloropropan	75	18.247	18.241	0.006	82	93962	25.0	22.1	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	97	460445	25.0	23.0	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	95	438774	25.0	21.9	
120 Hexachlorobutadiene	225	19.470	19.470	0.000	98	148824	25.0	19.9	
121 Naphthalene	128	19.719	19.713	0.006	97	1488726	25.0	22.3	
122 1,2,3-Trichlorobenzene	180	20.072	20.072	0.000	96	418365	25.0	21.0	
142 2-Methylnaphthalene	142	21.526	21.526	0.000	94	827510	25.0	19.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8260 CORP mix_00083	Amount Added: 12.50	Units: uL	
GAS CORP mix_00181	Amount Added: 12.50	Units: uL	
ADD CORP mix_00051	Amount Added: 12.50	Units: uL	
P 8260 IS_00170	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00196	Amount Added: 1.25	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20161001-56898.b\\P0841.D

Injection Date: 01-Oct-2016 11:10:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

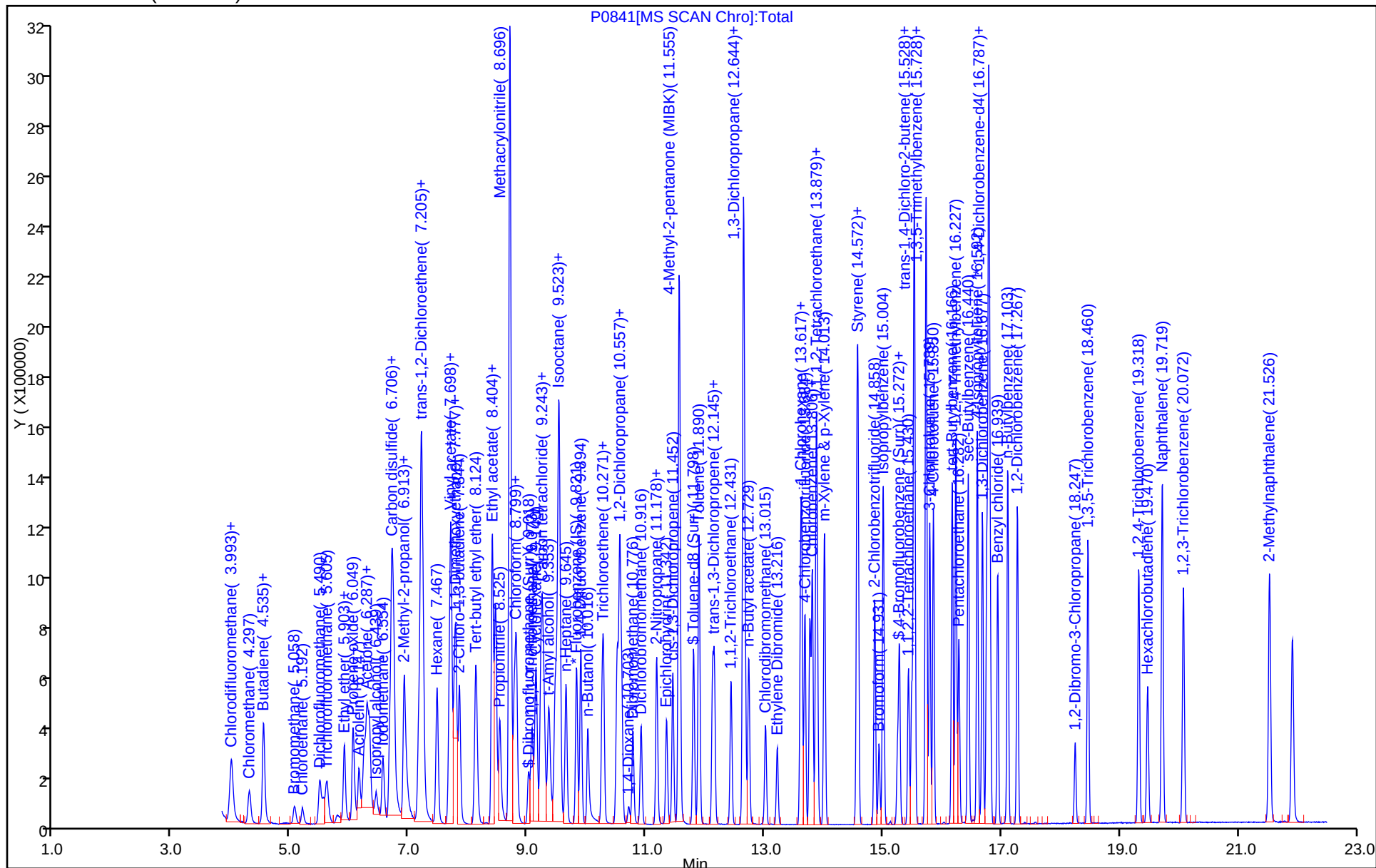
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: P-8260H2O

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.: 480-106799-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-323586/5

Matrix: Water Lab File ID: P0901.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 10/03/2016 19:53

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 323586 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.2		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	22.1		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.1		1.0	0.31
79-00-5	1,1,2-Trichloroethane	23.3		1.0	0.23
75-34-3	1,1-Dichloroethane	22.9		1.0	0.38
75-35-4	1,1-Dichloroethene	23.7		1.0	0.29
526-73-8	1,2,3-Trimethylbenzene	23.1		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	22.3		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	22.8		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	22.0		1.0	0.39
106-93-4	1,2-Dibromoethane	23.9		1.0	0.73
95-50-1	1,2-Dichlorobenzene	23.9		1.0	0.79
107-06-2	1,2-Dichloroethane	25.2		1.0	0.21
78-87-5	1,2-Dichloropropane	23.0		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	22.6		1.0	0.77
541-73-1	1,3-Dichlorobenzene	23.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	22.7		1.0	0.84
78-93-3	2-Butanone (MEK)	195		10	1.3
591-78-6	2-Hexanone	110		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	107		5.0	2.1
67-64-1	Acetone	99.9		10	3.0
71-43-2	Benzene	22.6		1.0	0.41
75-27-4	Bromodichloromethane	25.7		1.0	0.39
75-25-2	Bromoform	26.3		1.0	0.26
74-83-9	Bromomethane	27.5		1.0	0.69
75-15-0	Carbon disulfide	27.7		1.0	0.19
56-23-5	Carbon tetrachloride	26.8		1.0	0.27
108-90-7	Chlorobenzene	24.0		1.0	0.75
75-00-3	Chloroethane	26.5		1.0	0.32
67-66-3	Chloroform	24.0		1.0	0.34
74-87-3	Chloromethane	21.4		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.0		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.0		1.0	0.36
110-82-7	Cyclohexane	22.2		1.0	0.18
124-48-1	Dibromochloromethane	25.5		1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-323586/5

Matrix: Water Lab File ID: P0901.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 10/03/2016 19:53

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 323586 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	25.9		1.0	0.68
100-41-4	Ethylbenzene	23.4		1.0	0.74
98-82-8	Isopropylbenzene	22.1		1.0	0.79
79-20-9	Methyl acetate	111		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.5		1.0	0.16
108-87-2	Methylcyclohexane	21.6		1.0	0.16
75-09-2	Methylene Chloride	24.6		1.0	0.44
100-42-5	Styrene	23.5		1.0	0.73
127-18-4	Tetrachloroethene	27.2		1.0	0.36
108-88-3	Toluene	22.6		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.6		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.8		1.0	0.37
79-01-6	Trichloroethene	24.0		1.0	0.46
75-69-4	Trichlorofluoromethane	26.3		1.0	0.88
75-01-4	Vinyl chloride	22.0		1.0	0.90
1330-20-7	Xylenes, Total	46.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123
2037-26-5	Toluene-d8 (Surr)	88		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0901.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 03-Oct-2016 19:53:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0056940-005
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 18:09:37 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 20:27:47

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	9.827	9.821	0.006	98	137098	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.764	-0.001	85	286428	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.751	-0.001	93	319817	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	94	158065	25.0	23.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	103546	25.0	23.6	
\$ 5 Toluene-d8 (Surr)	98	11.804	11.799	0.005	93	562042	25.0	22.1	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	231476	25.0	26.6	
10 Dichlorodifluoromethane	85	3.993	3.981	0.012	98	294960	25.0	25.9	
15 Chlorodifluoromethane	51	4.011	4.012	-0.001	97	371323	25.0	25.1	
11 Chloromethane	50	4.316	4.297	0.019	99	255998	25.0	21.4	
17 Vinyl chloride	62	4.541	4.529	0.012	98	190727	25.0	22.0	
144 Butadiene	54	4.547	4.541	0.006	96	194991	25.0	20.8	
12 Bromomethane	94	5.076	5.076	0.000	93	102121	25.0	27.5	
13 Chloroethane	64	5.210	5.198	0.012	97	122312	25.0	26.5	
19 Dichlorofluoromethane	67	5.502	5.490	0.012	97	387567	25.0	25.6	
14 Trichlorofluoromethane	101	5.611	5.611	0.000	98	420060	25.0	26.3	
141 Ethanol	45	5.788	5.788	0.000	99	102913	1000.0	385.8	
20 Ethyl ether	59	5.909	5.903	0.006	99	251603	25.0	23.6	
26 Propene oxide	58	6.062	6.056	0.006	95	457719	NC	NC	
22 Acrolein	56	6.159	6.147	0.012	100	292950	125.0	111.4	
16 1,1,2-Trichloro-1,2,2-trif	101	6.250	6.244	0.006	93	254470	25.0	24.1	
25 1,1-Dichloroethene	96	6.299	6.287	0.012	94	218344	25.0	23.7	
24 Acetone	43	6.335	6.323	0.012	99	562649	125.0	99.9	
23 Isopropyl alcohol	45	6.439	6.445	-0.006	99	293442	250.0	170.2	
18 Iodomethane	142	6.560	6.554	0.006	99	447160	25.0	25.3	
27 Carbon disulfide	76	6.676	6.664	0.012	100	860928	25.0	27.7	
30 Methyl acetate	43	6.712	6.700	0.012	100	1632940	125.0	110.6	
28 3-Chloro-1-propene	41	6.743	6.731	0.012	85	948464	25.0	43.5	
29 Acetonitrile	40	6.737	6.731	0.006	80	341810	250.0	238.8	
31 Methylene Chloride	84	6.919	6.907	0.012	94	240213	25.0	24.6	
33 2-Methyl-2-propanol	59	6.938	6.932	0.006	99	527015	250.0	210.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73	7.169	7.163	0.006	99	765792	25.0	24.5	
34 Acrylonitrile	53	7.205	7.199	0.006	97	1540897	250.0	219.6	
35 trans-1,2-Dichloroethene	96	7.242	7.230	0.012	94	228040	25.0	23.6	
36 Hexane	57	7.473	7.467	0.006	95	358635	25.0	20.8	
37 Isopropyl ether	45	7.686	7.686	0.000	86	1045923	25.0	23.6	
38 Vinyl acetate	43	7.710	7.704	0.006	96	1905914	50.0	59.7	
40 1,1-Dichloroethane	63	7.765	7.753	0.012	97	467173	25.0	22.9	
39 1,1-Dimethoxyethane	75	7.789	7.789	0.000	95	369406	125.0	117.0	
41 2-Chloro-1,3-butadiene	53	7.850	7.856	-0.006	94	473389	25.0	24.1	
42 Tert-butyl ethyl ether	59	8.130	8.124	0.006	100	917651	25.0	23.8	
44 2-Butanone (MEK)	43	8.404	8.398	0.006	94	1948742	125.0	195.3	
46 Ethyl acetate	43	8.404	8.398	0.006	96	1940877	50.0	102.1	
43 cis-1,2-Dichloroethene	96	8.458	8.453	0.006	84	253809	25.0	24.0	
45 2,2-Dichloropropane	77	8.465	8.459	0.006	62	359181	25.0	25.6	
47 Propionitrile	54	8.531	8.532	-0.001	99	631552	250.0	222.2	
48 Methacrylonitrile	41	8.702	8.702	0.000	96	2337190	250.0	224.4	
50 Chlorobromomethane	128	8.775	8.763	0.012	93	135009	25.0	24.7	
51 Tetrahydrofuran	42	8.799	8.793	0.006	95	280583	50.0	40.6	
49 Chloroform	83	8.811	8.805	0.006	96	393992	25.0	24.0	
52 1,1,1-Trichloroethane	97	9.073	9.067	0.006	99	373112	25.0	25.2	
54 Cyclohexane	56	9.140	9.140	0.000	92	511802	25.0	22.2	
53 Isobutyl alcohol	43	9.219	9.213	0.006	96	530119	625.0	472.4	
56 1,1-Dichloropropene	75	9.249	9.237	0.012	91	302851	25.0	23.5	
55 Carbon tetrachloride	117	9.274	9.274	0.000	95	371224	25.0	26.8	
140 t-Amyl alcohol	59	9.359	9.365	-0.006	94	492972	250.0	220.1	
146 Isooctane	57	9.487	9.481	0.006	98	753452	25.0	20.9	
57 Benzene	78	9.529	9.517	0.012	95	843472	25.0	22.6	
58 Tert-amyl methyl ether	73	9.529	9.523	0.006	85	731937	25.0	24.4	
60 1,2-Dichloroethane	62	9.547	9.541	0.006	97	389039	25.0	25.2	
59 n-Heptane	43	9.651	9.645	0.006	97	341252	25.0	18.7	
1 1,4-Difluorobenzene	114	9.900	9.900	0.000	95	739045	25.0	25.3	
61 n-Butanol	56	10.016	10.016	0.000	91	333496	625.0	495.6	
145 Ethyl acrylate	55	10.253	10.253	0.000	99	486623	25.0	23.5	
62 Trichloroethene	95	10.277	10.278	-0.001	94	242311	25.0	24.0	
64 Methylcyclohexane	83	10.515	10.509	0.006	97	357307	25.0	21.6	
65 Methyl methacrylate	41	10.557	10.551	0.006	93	1048489	50.0	71.5	
63 1,2-Dichloropropane	63	10.588	10.582	0.006	84	250480	25.0	23.0	
68 1,4-Dioxane	88	10.703	10.697	0.006	97	75755	500.0	484.6	
69 Dibromomethane	93	10.776	10.770	0.006	95	167138	25.0	25.0	
70 Dichlorobromomethane	83	10.916	10.910	0.006	96	307955	25.0	25.7	
71 2-Chloroethyl vinyl ether	63	11.178	11.172	0.006	79	201037	25.0	23.1	
72 2-Nitropropane	43	11.178	11.184	-0.006	87	432355	50.0	66.6	
74 Epichlorohydrin	57	11.342	11.342	0.000	99	461458	250.0	231.6	
73 cis-1,3-Dichloropropene	75	11.452	11.446	0.006	91	387416	25.0	25.0	
75 4-Methyl-2-pentanone (MIBK)	43	11.561	11.555	0.006	99	2165554	125.0	106.7	
76 Toluene	92	11.896	11.890	0.006	98	565470	25.0	22.6	
77 Ethyl methacrylate	69	12.121	12.115	0.006	95	324851	25.0	22.1	
78 trans-1,3-Dichloropropene	75	12.151	12.145	0.006	98	368834	25.0	24.8	
79 1,1,2-Trichloroethane	83	12.431	12.431	0.000	93	181102	25.0	23.3	
80 Tetrachloroethene	166	12.638	12.632	0.006	95	293863	25.0	27.2	
83 2-Hexanone	43	12.644	12.644	0.000	100	1529704	125.0	109.6	
82 1,3-Dichloropropane	76	12.674	12.668	0.006	98	362407	25.0	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
149 n-Butyl acetate	43	12.735	12.729	0.006	97	672349	25.0	22.3	
81 Chlorodibromomethane	129	13.015	13.015	0.000	91	270428	25.0	25.5	
85 Ethylene Dibromide	107	13.216	13.210	0.006	99	256214	25.0	23.9	
84 3-Chlorobenzotrifluoride	180	13.611	13.611	0.000	93	375873	25.0	23.2	
139 1-Chlorohexane	55	13.630	13.630	0.000	92	263299	25.0	21.9	
86 4-Chlorobenzotrifluoride	180	13.684	13.684	0.000	96	351973	25.0	23.6	
87 Chlorobenzene	112	13.806	13.800	0.006	94	670403	25.0	24.0	
89 Ethylbenzene	91	13.873	13.867	0.006	98	1063774	25.0	23.4	
88 1,1,1,2-Tetrachloroethane	131	13.885	13.885	0.000	95	265240	25.0	25.3	
90 m-Xylene & p-Xylene	106	14.013	14.007	0.006	0	443785	25.0	22.9	
93 o-Xylene	106	14.560	14.560	0.000	97	455889	25.0	23.7	
94 Styrene	104	14.579	14.579	0.000	96	715958	25.0	23.5	
91 2-Chlorobenzotrifluoride	180	14.864	14.859	0.005	96	388698	25.0	23.4	
92 Bromoform	173	14.931	14.932	-0.001	96	187409	25.0	26.3	
95 Isopropylbenzene	105	15.004	15.005	-0.001	96	1137883	25.0	22.1	
96 Cyclohexanone	55	15.248	15.248	0.000	96	170877	250.0	204.7	
97 1,1,2,2-Tetrachloroethane	83	15.430	15.430	0.000	96	343482	25.0	22.1	
98 trans-1,4-Dichloro-2-buten	53	15.479	15.479	0.000	82	152242	25.0	21.9	
101 1,2,3-Trichloropropane	110	15.521	15.516	0.005	74	110888	25.0	23.2	
100 Bromobenzene	156	15.521	15.522	-0.001	93	298993	25.0	23.6	
99 N-Propylbenzene	91	15.534	15.534	0.000	98	1293580	25.0	22.4	
103 2-Chlorotoluene	126	15.722	15.722	0.000	97	288550	25.0	23.2	
102 1,3,5-Trimethylbenzene	105	15.728	15.728	0.000	96	958201	25.0	22.6	
104 3-Chlorotoluene	126	15.789	15.789	0.000	97	309990	25.0	23.3	
105 4-Chlorotoluene	126	15.850	15.850	0.000	98	299397	25.0	23.0	
106 tert-Butylbenzene	134	16.172	16.166	0.006	94	215918	25.0	22.2	
107 1,2,4-Trimethylbenzene	105	16.227	16.227	0.000	96	1030242	25.0	22.8	
108 Pentachloroethane	167	16.282	16.282	0.000	89	170421	25.0	29.7	
109 sec-Butylbenzene	105	16.440	16.440	0.000	94	1217279	25.0	21.9	
112 4-Isopropyltoluene	119	16.592	16.592	0.000	97	1103306	25.0	22.6	
110 1,3-Dichlorobenzene	146	16.677	16.678	-0.001	99	612072	25.0	23.4	
111 1,4-Dichlorobenzene	146	16.781	16.781	0.000	94	594015	25.0	22.7	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	97	1086894	25.0	23.1	
114 Dicyclopentadiene	66	16.805	16.805	0.000	96	932385	25.0	21.8	
143 Benzyl chloride	126	16.939	16.939	0.000	99	180069	25.0	28.5	
115 n-Butylbenzene	91	17.103	17.103	0.000	98	912128	25.0	21.6	
116 1,2-Dichlorobenzene	146	17.267	17.274	-0.007	98	626778	25.0	23.9	
117 1,2-Dibromo-3-Chloropropan	75	18.241	18.247	-0.006	83	91555	25.0	22.0	
118 1,3,5-Trichlorobenzene	180	18.460	18.460	0.000	97	468908	25.0	23.8	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	95	437019	25.0	22.3	
120 Hexachlorobutadiene	225	19.470	19.470	0.000	98	151603	25.0	20.6	
121 Naphthalene	128	19.713	19.713	0.000	97	1451262	25.0	22.2	
122 1,2,3-Trichlorobenzene	180	20.078	20.072	0.006	96	417080	25.0	21.4	
142 2-Methylnaphthalene	142	21.526	21.526	0.000	93	849160	25.0	20.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8260 CORP mix_00083	Amount Added: 12.50	Units: uL	
GAS CORP mix_00182	Amount Added: 12.50	Units: uL	
ADD CORP mix_00051	Amount Added: 12.50	Units: uL	
P 8260 IS_00170	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr_00196	Amount Added: 1.25	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20161003-56940.b\\P0901.D

Injection Date: 03-Oct-2016 19:53:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

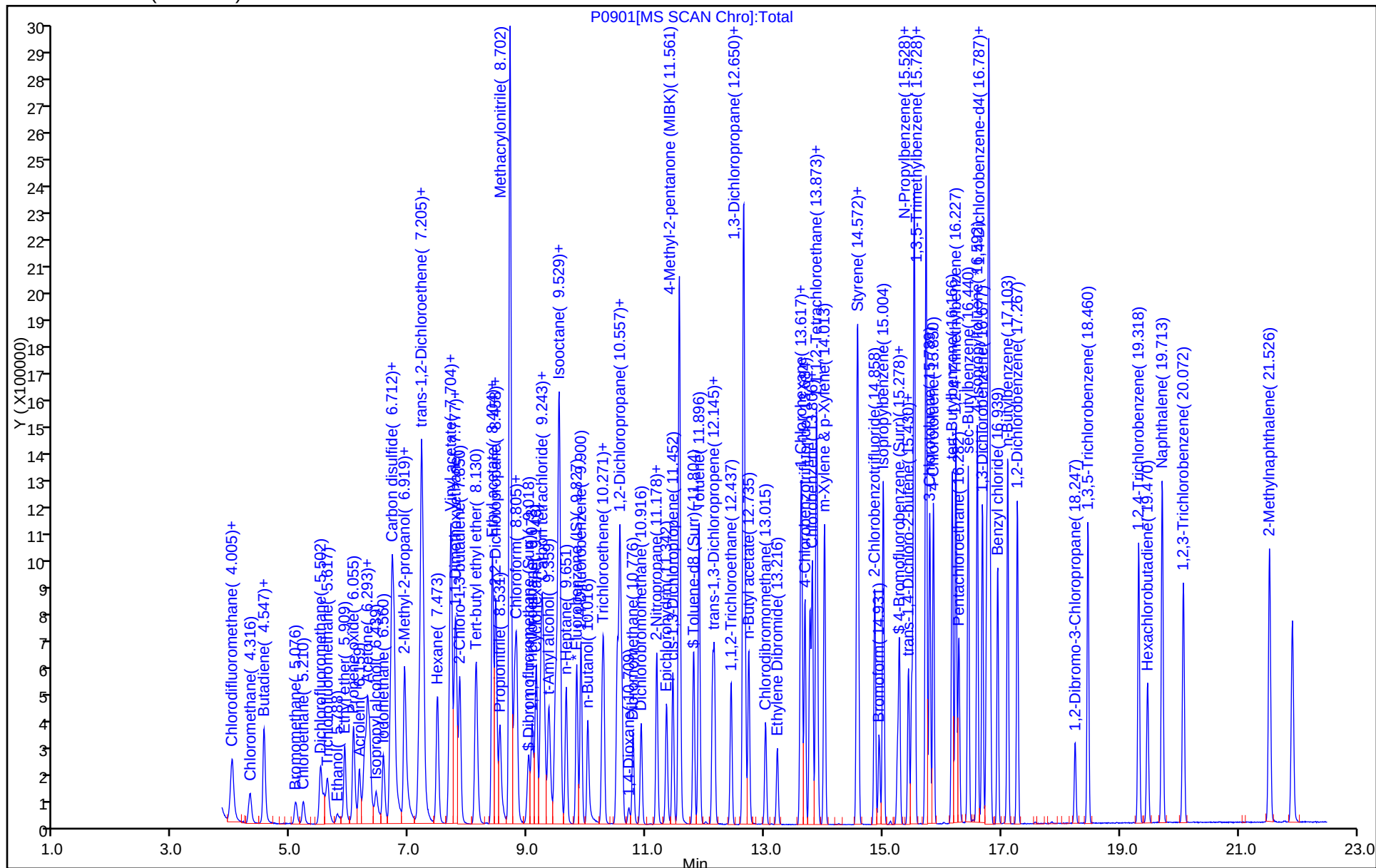
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: P-8260H2O

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.: 480-106799-1

SDG No.: _____

Client Sample ID: 4009-14 MS Lab Sample ID: 480-106799-8 MS

Matrix: Water Lab File ID: P0859.D

Analysis Method: 8260C Date Collected: 09/29/2016 08:10

Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 19:33

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 323358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	28.3		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.0		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.2		1.0	0.31
79-00-5	1,1,2-Trichloroethane	25.3		1.0	0.23
75-34-3	1,1-Dichloroethane	25.3		1.0	0.38
75-35-4	1,1-Dichloroethene	26.8		1.0	0.29
526-73-8	1,2,3-Trimethylbenzene	23.5		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	23.0		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	24.0		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	23.1		1.0	0.39
106-93-4	1,2-Dibromoethane	25.7		1.0	0.73
95-50-1	1,2-Dichlorobenzene	25.0		1.0	0.79
107-06-2	1,2-Dichloroethane	28.1		1.0	0.21
78-87-5	1,2-Dichloropropane	24.2		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	24.0		1.0	0.77
541-73-1	1,3-Dichlorobenzene	24.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.7		1.0	0.84
78-93-3	2-Butanone (MEK)	199		10	1.3
591-78-6	2-Hexanone	117		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	115		5.0	2.1
67-64-1	Acetone	143		10	3.0
71-43-2	Benzene	36.9		1.0	0.41
75-27-4	Bromodichloromethane	27.7		1.0	0.39
75-25-2	Bromoform	26.5		1.0	0.26
74-83-9	Bromomethane	25.6		1.0	0.69
75-15-0	Carbon disulfide	25.7		1.0	0.19
56-23-5	Carbon tetrachloride	30.2		1.0	0.27
108-90-7	Chlorobenzene	25.7		1.0	0.75
75-00-3	Chloroethane	24.1		1.0	0.32
67-66-3	Chloroform	26.7		1.0	0.34
74-87-3	Chloromethane	24.4		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.0		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.5		1.0	0.36
110-82-7	Cyclohexane	22.4		1.0	0.18
124-48-1	Dibromochloromethane	27.4		1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-14 MS</u>	Lab Sample ID: <u>480-106799-8 MS</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0859.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 08:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 19:33</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	31.6		1.0	0.68
100-41-4	Ethylbenzene	25.4		1.0	0.74
98-82-8	Isopropylbenzene	23.4		1.0	0.79
79-20-9	Methyl acetate	113		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.8		1.0	0.16
108-87-2	Methylcyclohexane	22.8		1.0	0.16
75-09-2	Methylene Chloride	30.6		1.0	0.44
100-42-5	Styrene	24.7		1.0	0.73
127-18-4	Tetrachloroethene	27.1		1.0	0.36
108-88-3	Toluene	24.7		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.8		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.7		1.0	0.37
79-01-6	Trichloroethene	26.5		1.0	0.46
75-69-4	Trichlorofluoromethane	28.2		1.0	0.88
75-01-4	Vinyl chloride	24.0		1.0	0.90
1330-20-7	Xylenes, Total	50.0		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123
2037-26-5	Toluene-d8 (Surr)	89		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0859.D
 Lims ID: 480-106799-B-8 MS
 Client ID: 4009-14
 Sample Type: MS
 Inject. Date: 01-Oct-2016 19:33:30 ALS Bottle#: 23 Worklist Smp#: 23
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-B-8 MS
 Misc. Info.: 480-0056898-023
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 19:07:17 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 19:07:53

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	9.827	9.827	0.000	98	131111	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	85	270146	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	93	312046	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	157545	25.0	24.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	104835	25.0	24.9	
\$ 5 Toluene-d8 (Surr)	98	11.804	11.798	0.006	93	530871	25.0	22.1	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	217030	25.0	26.4	
10 Dichlorodifluoromethane	85	3.987	3.993	-0.006	98	345282	25.0	31.6	
11 Chloromethane	50	4.291	4.304	-0.013	99	278353	25.0	24.4	
17 Vinyl chloride	62	4.528	4.535	-0.007	98	198641	25.0	24.0	
12 Bromomethane	94	5.064	5.070	-0.006	94	90995	25.0	25.6	
13 Chloroethane	64	5.210	5.204	0.006	96	106441	25.0	24.1	
14 Trichlorofluoromethane	101	5.605	5.612	-0.007	98	431061	25.0	28.2	
16 1,1,2-Trichloro-1,2,2-trif	101	6.250	6.238	0.012	93	265389	25.0	26.2	
25 1,1-Dichloroethene	96	6.292	6.287	0.005	96	236252	25.0	26.8	
24 Acetone	43	6.335	6.329	0.006	99	770308	125.0	143.1	
27 Carbon disulfide	76	6.670	6.670	0.000	100	763915	25.0	25.7	
30 Methyl acetate	43	6.712	6.701	0.011	100	1592234	125.0	112.8	
31 Methylene Chloride	84	6.919	6.913	0.006	95	282279	25.0	30.6	
32 Methyl tert-butyl ether	73	7.175	7.169	0.006	99	771065	25.0	25.8	
35 trans-1,2-Dichloroethene	96	7.241	7.236	0.005	93	238745	25.0	25.8	
40 1,1-Dichloroethane	63	7.765	7.753	0.012	97	492978	25.0	25.3	
44 2-Butanone (MEK)	43	8.403	8.398	0.005	94	1898249	125.0	198.9	
43 cis-1,2-Dichloroethene	96	8.458	8.453	0.005	84	263355	25.0	26.0	
49 Chloroform	83	8.817	8.805	0.012	94	418684	25.0	26.7	
52 1,1,1-Trichloroethane	97	9.073	9.073	0.000	98	399667	25.0	28.3	
54 Cyclohexane	56	9.146	9.140	0.006	94	493268	25.0	22.4	
55 Carbon tetrachloride	117	9.279	9.274	0.005	96	400247	25.0	30.2	
57 Benzene	78	9.529	9.523	0.006	97	1316802	25.0	36.9	
60 1,2-Dichloroethane	62	9.547	9.542	0.005	97	415066	25.0	28.1	
62 Trichloroethene	95	10.277	10.272	0.005	95	255688	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
64 Methylcyclohexane	83	10.514	10.515	-0.001	96	360384	25.0	22.8	
63 1,2-Dichloropropane	63	10.587	10.582	0.005	87	252198	25.0	24.2	
70 Dichlorobromomethane	83	10.916	10.910	0.006	97	316798	25.0	27.7	
73 cis-1,3-Dichloropropene	75	11.451	11.446	0.005	91	377829	25.0	25.5	
75 4-Methyl-2-pentanone (MIBK)	43	11.561	11.555	0.006	99	2200904	125.0	115.0	
76 Toluene	92	11.895	11.890	0.005	98	582695	25.0	24.7	
78 trans-1,3-Dichloropropene	75	12.151	12.151	0.000	98	347104	25.0	24.7	
79 1,1,2-Trichloroethane	83	12.437	12.431	0.006	95	185563	25.0	25.3	
80 Tetrachloroethene	166	12.638	12.632	0.006	96	276166	25.0	27.1	
83 2-Hexanone	43	12.644	12.644	0.000	99	1533879	125.0	116.6	
81 Chlorodibromomethane	129	13.015	13.009	0.006	90	274874	25.0	27.4	
85 Ethylene Dibromide	107	13.216	13.210	0.006	98	259942	25.0	25.7	
87 Chlorobenzene	112	13.806	13.800	0.006	94	676969	25.0	25.7	
89 Ethylbenzene	91	13.873	13.867	0.006	98	1085304	25.0	25.4	
90 m-Xylene & p-Xylene	106	14.012	14.007	0.005	0	450737		24.6	
93 o-Xylene	106	14.560	14.561	-0.001	97	460288		25.4	
94 Styrene	104	14.578	14.579	-0.001	95	708838	25.0	24.7	
92 Bromoform	173	14.931	14.932	-0.001	96	178307	25.0	26.5	
95 Isopropylbenzene	105	15.004	15.005	-0.001	96	1174170	25.0	23.4	
97 1,1,2,2-Tetrachloroethane	83	15.430	15.424	0.006	96	363145	25.0	24.0	
102 1,3,5-Trimethylbenzene	105	15.728	15.729	-0.001	95	992993	25.0	24.0	
107 1,2,4-Trimethylbenzene	105	16.233	16.227	0.006	97	1056575	25.0	24.0	
110 1,3-Dichlorobenzene	146	16.677	16.678	-0.001	98	620079	25.0	24.3	
111 1,4-Dichlorobenzene	146	16.781	16.781	0.000	94	605462	25.0	23.7	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	97	1079065	25.0	23.5	
116 1,2-Dichlorobenzene	146	17.273	17.268	0.005	97	641059	25.0	25.0	
117 1,2-Dibromo-3-Chloropropan	75	18.241	18.241	0.000	88	94008	25.0	23.1	
119 1,2,4-Trichlorobenzene	180	19.317	19.318	-0.001	94	439851	25.0	23.0	
S 126 Xylenes, Total	1				0			50.0	

Reagents:

ADD CORP mix_00051

Amount Added: 12.50

Units: uL

GAS CORP mix_00181

Amount Added: 12.50

Units: uL

8260 CORP mix_00083

Amount Added: 12.50

Units: uL

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr_00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20161001-56898.b\\P0859.D

Injection Date: 01-Oct-2016 19:33:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: 480-106799-B-8 MS

Worklist Smp#: 23

Client ID: 4009-14

Purge Vol: 5.000 mL

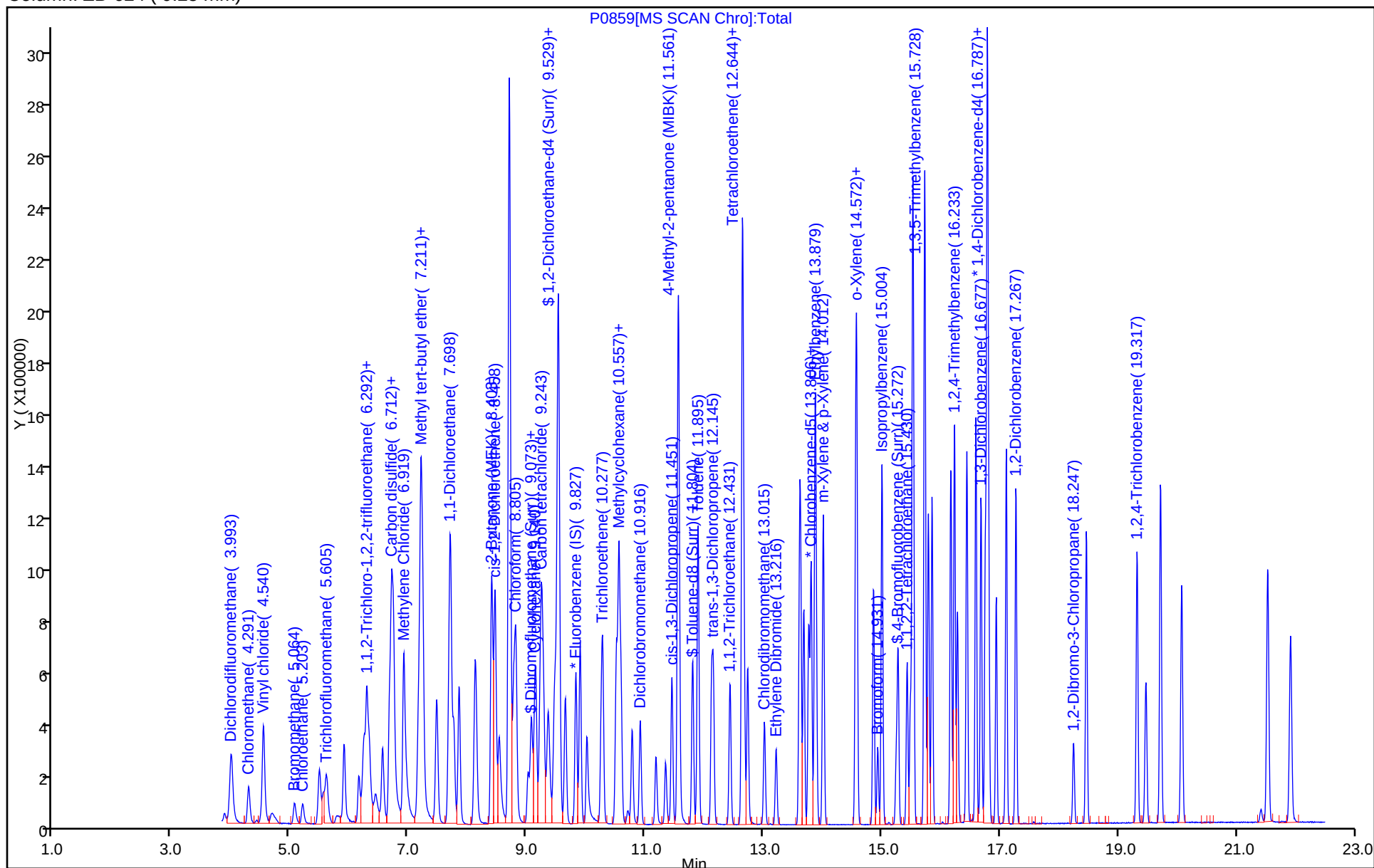
Dil. Factor: 1.0000

ALS Bottle#: 23

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-27I MS</u>	Lab Sample ID: <u>480-106799-17 MS</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0920.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:05</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/04/2016 04:43</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323586</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.2		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.3		1.0	0.31
79-00-5	1,1,2-Trichloroethane	22.3		1.0	0.23
75-34-3	1,1-Dichloroethane	23.4		1.0	0.38
75-35-4	1,1-Dichloroethene	24.7		1.0	0.29
526-73-8	1,2,3-Trimethylbenzene	24.4		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	21.1		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	22.1		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		1.0	0.39
106-93-4	1,2-Dibromoethane	23.0		1.0	0.73
95-50-1	1,2-Dichlorobenzene	22.5		1.0	0.79
107-06-2	1,2-Dichloroethane	25.2		1.0	0.21
78-87-5	1,2-Dichloropropane	22.8		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	22.2		1.0	0.77
541-73-1	1,3-Dichlorobenzene	22.6		1.0	0.78
106-46-7	1,4-Dichlorobenzene	22.2		1.0	0.84
78-93-3	2-Butanone (MEK)	186		10	1.3
591-78-6	2-Hexanone	107		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	102		5.0	2.1
67-64-1	Acetone	102		10	3.0
71-43-2	Benzene	26.8		1.0	0.41
75-27-4	Bromodichloromethane	25.1		1.0	0.39
75-25-2	Bromoform	24.3		1.0	0.26
74-83-9	Bromomethane	37.2		1.0	0.69
75-15-0	Carbon disulfide	28.8		1.0	0.19
56-23-5	Carbon tetrachloride	29.1		1.0	0.27
108-90-7	Chlorobenzene	24.1		1.0	0.75
75-00-3	Chloroethane	36.9		1.0	0.32
67-66-3	Chloroform	24.6		1.0	0.34
74-87-3	Chloromethane	22.8		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	22.6		1.0	0.36
110-82-7	Cyclohexane	22.9		1.0	0.18
124-48-1	Dibromochloromethane	24.8		1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-106799-1

SDG No.: _____

Client Sample ID: 4009-27I MS Lab Sample ID: 480-106799-17 MS

Matrix: Water Lab File ID: P0920.D

Analysis Method: 8260C Date Collected: 09/29/2016 10:05

Sample wt/vol: 5 (mL) Date Analyzed: 10/04/2016 04:43

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.: 323586 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	30.4		1.0	0.68
100-41-4	Ethylbenzene	23.7		1.0	0.74
98-82-8	Isopropylbenzene	21.6		1.0	0.79
79-20-9	Methyl acetate	96.9		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.2		1.0	0.16
108-87-2	Methylcyclohexane	22.7		1.0	0.16
75-09-2	Methylene Chloride	23.8		1.0	0.44
100-42-5	Styrene	22.9		1.0	0.73
127-18-4	Tetrachloroethene	25.4		1.0	0.36
108-88-3	Toluene	23.2		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	22.3		1.0	0.37
79-01-6	Trichloroethene	24.2		1.0	0.46
75-69-4	Trichlorofluoromethane	31.7		1.0	0.88
75-01-4	Vinyl chloride	24.9		1.0	0.90
1330-20-7	Xylenes, Total	46.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123
2037-26-5	Toluene-d8 (Surr)	87		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0920.D
 Lims ID: 480-106799-A-17 MS
 Client ID: 4009-271
 Sample Type: MS
 Inject. Date: 04-Oct-2016 04:43:30 ALS Bottle#: 24 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-17 MS
 Misc. Info.: 480-0056940-022
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 04-Oct-2016 16:03:28 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: farrellr

Date: 04-Oct-2016 16:05:08

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	9.827	9.821	0.006	98	132619	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.764	-0.001	85	279461	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.751	-0.001	95	325870	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	92	154632	25.0	23.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.450	9.456	-0.006	0	102202	25.0	24.0	
\$ 5 Toluene-d8 (Surr)	98	11.798	11.799	-0.001	92	540142	25.0	21.8	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	230181	25.0	27.1	
10 Dichlorodifluoromethane	85	3.981	3.981	0.000	98	335580	25.0	30.4	
11 Chloromethane	50	4.316	4.297	0.019	99	263565	25.0	22.8	
17 Vinyl chloride	62	4.541	4.529	0.012	73	208718	25.0	24.9	
12 Bromomethane	94	5.082	5.076	0.006	94	133854	25.0	37.2	
13 Chloroethane	64	5.204	5.198	0.006	97	164905	25.0	36.9	
14 Trichlorofluoromethane	101	5.611	5.611	0.000	98	489938	25.0	31.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.244	6.244	0.000	95	268957	25.0	26.3	
25 1,1-Dichloroethene	96	6.287	6.287	0.000	94	220430	25.0	24.7	
24 Acetone	43	6.323	6.323	0.000	98	555525	125.0	102.0	
27 Carbon disulfide	76	6.670	6.664	0.006	99	866975	25.0	28.8	
30 Methyl acetate	43	6.700	6.700	0.000	100	1384634	125.0	96.9	
31 Methylene Chloride	84	6.913	6.907	0.006	94	224750	25.0	23.8	
32 Methyl tert-butyl ether	73	7.163	7.163	0.000	99	702710	25.0	23.2	
35 trans-1,2-Dichloroethene	96	7.236	7.230	0.006	94	231276	25.0	24.7	
40 1,1-Dichloroethane	63	7.759	7.753	0.006	96	461191	25.0	23.4	
44 2-Butanone (MEK)	43	8.398	8.398	0.000	94	1798466	125.0	186.3	
43 cis-1,2-Dichloroethene	96	8.459	8.453	0.007	86	246840	25.0	24.1	
49 Chloroform	83	8.811	8.805	0.006	95	391454	25.0	24.6	
52 1,1,1-Trichloroethane	97	9.073	9.067	0.006	99	388579	25.0	27.2	
54 Cyclohexane	56	9.140	9.140	0.000	94	509459	25.0	22.9	
55 Carbon tetrachloride	117	9.274	9.274	0.000	96	389873	25.0	29.1	
57 Benzene	78	9.523	9.517	0.006	96	969248	25.0	26.8	
60 1,2-Dichloroethane	62	9.547	9.541	0.006	97	377111	25.0	25.2	
62 Trichloroethene	95	10.278	10.278	0.000	93	236362	25.0	24.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	10.509	10.509	0.000	95	362279	25.0	22.7	
63 1,2-Dichloropropane	63	10.588	10.582	0.006	84	240950	25.0	22.8	
70 Dichlorobromomethane	83	10.916	10.910	0.006	95	290753	25.0	25.1	
73 cis-1,3-Dichloropropene	75	11.452	11.446	0.006	91	337970	25.0	22.6	
75 4-Methyl-2-pentanone (MIBK)	43	11.555	11.555	0.000	99	2010630	125.0	101.5	
76 Toluene	92	11.890	11.890	0.000	98	566793	25.0	23.2	
78 trans-1,3-Dichloropropene	75	12.151	12.145	0.006	94	324028	25.0	22.3	
79 1,1,2-Trichloroethane	83	12.431	12.431	0.000	95	169154	25.0	22.3	
80 Tetrachloroethene	166	12.638	12.632	0.006	95	267244	25.0	25.4	
83 2-Hexanone	43	12.644	12.644	0.000	100	1450035	125.0	106.5	
81 Chlorodibromomethane	129	13.015	13.015	0.000	90	257398	25.0	24.8	
85 Ethylene Dibromide	107	13.216	13.210	0.006	100	240404	25.0	23.0	
87 Chlorobenzene	112	13.806	13.800	0.006	95	655634	25.0	24.1	
89 Ethylbenzene	91	13.873	13.867	0.006	98	1051287	25.0	23.7	
90 m-Xylene & p-Xylene	106	14.013	14.007	0.006	0	437567		23.1	
93 o-Xylene	106	14.560	14.560	0.000	97	435819		23.2	
94 Styrene	104	14.579	14.579	0.000	96	681778	25.0	22.9	
92 Bromoform	173	14.931	14.932	-0.001	96	168846	25.0	24.3	
95 Isopropylbenzene	105	15.004	15.005	-0.001	96	1130305	25.0	21.6	
97 1,1,2,2-Tetrachloroethane	83	15.430	15.430	0.000	96	327725	25.0	20.7	
102 1,3,5-Trimethylbenzene	105	15.728	15.728	0.000	95	959445	25.0	22.2	
107 1,2,4-Trimethylbenzene	105	16.227	16.227	0.000	97	1016113	25.0	22.1	
110 1,3-Dichlorobenzene	146	16.677	16.678	-0.001	99	601981	25.0	22.6	
111 1,4-Dichlorobenzene	146	16.781	16.781	0.000	92	590739	25.0	22.2	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	98	1168762		24.4	
116 1,2-Dichlorobenzene	146	17.268	17.274	-0.006	98	602214	25.0	22.5	
117 1,2-Dibromo-3-Chloropropan	75	18.241	18.247	-0.006	81	85902	25.0	20.2	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	94	421591	25.0	21.1	
S 126 Xylenes, Total	1				0			46.3	

Reagents:

GAS CORP mix_00182

Amount Added: 12.50

Units: uL

8260 CORP mix_00083

Amount Added: 12.50

Units: uL

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\PO920.D

Injection Date: 04-Oct-2016 04:43:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-17 MS

Worklist Smp#: 22

Client ID: 4009-271

Purge Vol: 5.000 mL

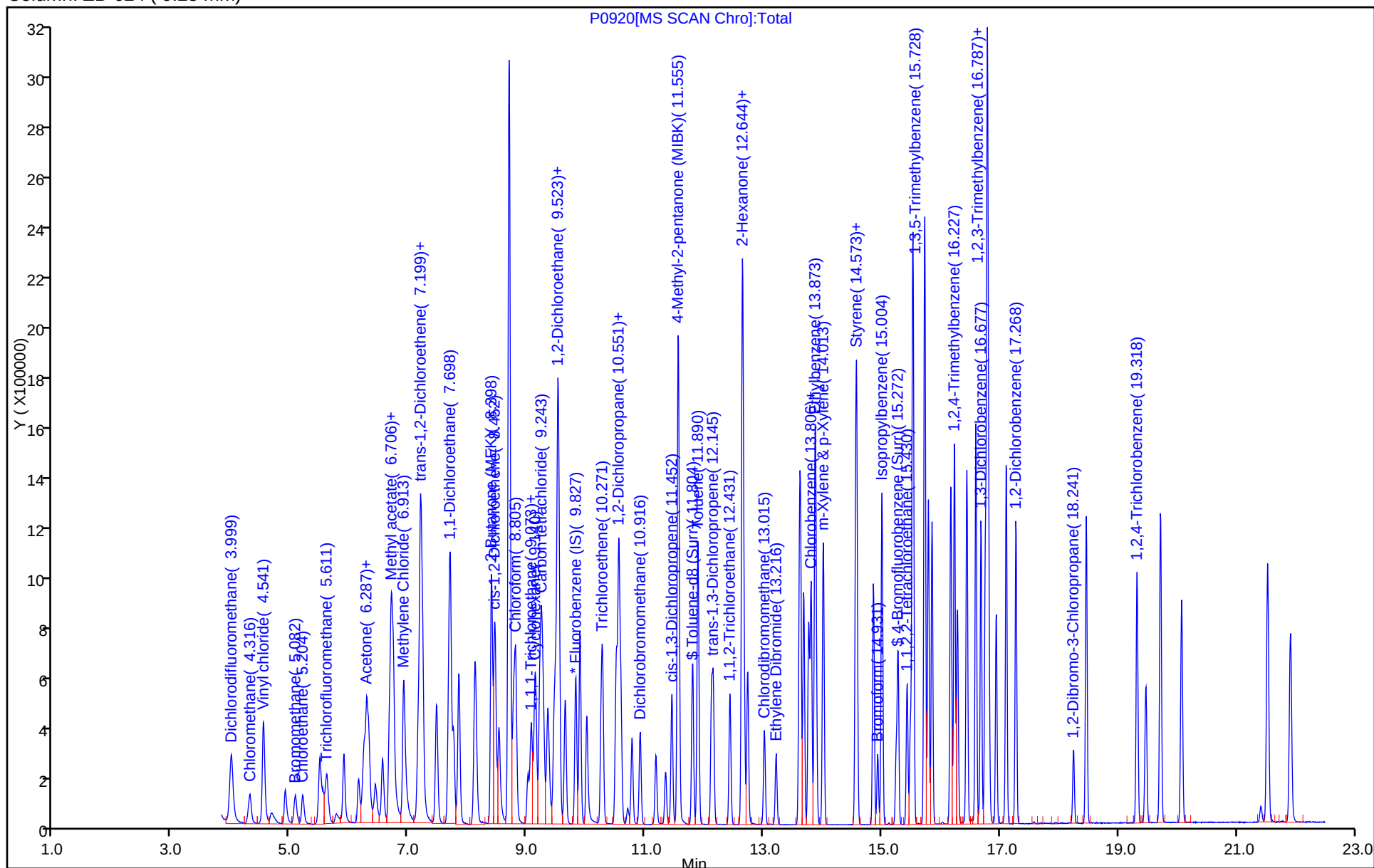
Dil. Factor: 1.0000

ALS Bottle#: 24

Method: P-8260H2O

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.: 480-106799-1

SDG No.: _____

Client Sample ID: 4009-14 MSD Lab Sample ID: 480-106799-8 MSD

Matrix: Water Lab File ID: P0860.D

Analysis Method: 8260C Date Collected: 09/29/2016 08:10

Sample wt/vol: 5 (mL) Date Analyzed: 10/01/2016 20:00

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 323358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.8		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.8		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.9		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.7		1.0	0.23
75-34-3	1,1-Dichloroethane	24.1		1.0	0.38
75-35-4	1,1-Dichloroethene	25.1		1.0	0.29
526-73-8	1,2,3-Trimethylbenzene	23.5		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	22.9		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	23.5		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	22.9		1.0	0.39
106-93-4	1,2-Dibromoethane	26.0		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.7		1.0	0.79
107-06-2	1,2-Dichloroethane	27.2		1.0	0.21
78-87-5	1,2-Dichloropropane	23.8		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	23.5		1.0	0.77
541-73-1	1,3-Dichlorobenzene	24.1		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.7		1.0	0.84
78-93-3	2-Butanone (MEK)	200		10	1.3
591-78-6	2-Hexanone	120		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	116		5.0	2.1
67-64-1	Acetone	135		10	3.0
71-43-2	Benzene	35.8		1.0	0.41
75-27-4	Bromodichloromethane	26.6		1.0	0.39
75-25-2	Bromoform	26.1		1.0	0.26
74-83-9	Bromomethane	26.9		1.0	0.69
75-15-0	Carbon disulfide	29.0		1.0	0.19
56-23-5	Carbon tetrachloride	28.5		1.0	0.27
108-90-7	Chlorobenzene	25.4		1.0	0.75
75-00-3	Chloroethane	23.0		1.0	0.32
67-66-3	Chloroform	25.3		1.0	0.34
74-87-3	Chloromethane	24.4		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.6		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.1		1.0	0.36
110-82-7	Cyclohexane	22.7		1.0	0.18
124-48-1	Dibromochloromethane	27.0		1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-14 MSD</u>	Lab Sample ID: <u>480-106799-8 MSD</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0860.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 08:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/01/2016 20:00</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323358</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	29.6		1.0	0.68
100-41-4	Ethylbenzene	24.9		1.0	0.74
98-82-8	Isopropylbenzene	22.8		1.0	0.79
79-20-9	Methyl acetate	111		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.5		1.0	0.16
108-87-2	Methylcyclohexane	21.9		1.0	0.16
75-09-2	Methylene Chloride	29.3		1.0	0.44
100-42-5	Styrene	24.6		1.0	0.73
127-18-4	Tetrachloroethene	25.9		1.0	0.36
108-88-3	Toluene	24.5		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.0		1.0	0.37
79-01-6	Trichloroethene	25.1		1.0	0.46
75-69-4	Trichlorofluoromethane	28.1		1.0	0.88
75-01-4	Vinyl chloride	24.1		1.0	0.90
1330-20-7	Xylenes, Total	49.2		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123
2037-26-5	Toluene-d8 (Surr)	89		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P0860.D
 Lims ID: 480-106799-B-8 MSD
 Client ID: 4009-14
 Sample Type: MSD
 Inject. Date: 01-Oct-2016 20:00:30 ALS Bottle#: 24 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-B-8 MSD
 Misc. Info.: 480-0056898-024
 Operator ID: gtg Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161001-56898.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Oct-2016 19:07:17 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: youngmans

Date: 03-Oct-2016 19:08:28

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	9.827	9.827	0.000	98	135584	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.763	0.000	85	276096	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.750	16.750	0.000	95	317492	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	158026	25.0	23.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	103027	25.0	23.7	
\$ 5 Toluene-d8 (Surr)	98	11.804	11.798	0.006	93	548353	25.0	22.4	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	90	221274	25.0	26.3	
10 Dichlorodifluoromethane	85	3.981	3.993	-0.012	99	334166	25.0	29.6	
11 Chloromethane	50	4.285	4.304	-0.019	99	288015	25.0	24.4	
17 Vinyl chloride	62	4.528	4.535	-0.007	97	205795	25.0	24.1	
12 Bromomethane	94	5.058	5.070	-0.012	93	99067	25.0	26.9	
13 Chloroethane	64	5.198	5.204	-0.006	96	104965	25.0	23.0	
14 Trichlorofluoromethane	101	5.611	5.612	-0.001	99	445260	25.0	28.1	
16 1,1,2-Trichloro-1,2,2-trif	101	6.238	6.238	0.000	93	260100	25.0	24.9	
25 1,1-Dichloroethene	96	6.293	6.287	0.006	94	228944	25.0	25.1	
24 Acetone	43	6.329	6.329	0.000	98	751332	125.0	134.9	
27 Carbon disulfide	76	6.670	6.670	0.000	100	893202	25.0	29.0	
30 Methyl acetate	43	6.706	6.701	0.005	100	1626002	125.0	111.4	
31 Methylene Chloride	84	6.907	6.913	-0.006	95	280529	25.0	29.3	
32 Methyl tert-butyl ether	73	7.169	7.169	0.000	99	788924	25.0	25.5	
35 trans-1,2-Dichloroethene	96	7.236	7.236	0.000	93	236604	25.0	24.7	
40 1,1-Dichloroethane	63	7.759	7.753	0.006	96	485987	25.0	24.1	
44 2-Butanone (MEK)	43	8.404	8.398	0.006	95	1972256	125.0	199.8	
43 cis-1,2-Dichloroethene	96	8.458	8.453	0.005	84	258111	25.0	24.6	
49 Chloroform	83	8.811	8.805	0.006	94	410592	25.0	25.3	
52 1,1,1-Trichloroethane	97	9.073	9.073	0.000	98	392613	25.0	26.8	
54 Cyclohexane	56	9.146	9.140	0.006	94	516245	25.0	22.7	
55 Carbon tetrachloride	117	9.274	9.274	0.000	96	390128	25.0	28.5	
57 Benzene	78	9.523	9.523	0.000	96	1320983	25.0	35.8	
60 1,2-Dichloroethane	62	9.547	9.542	0.005	97	415543	25.0	27.2	
62 Trichloroethene	95	10.277	10.272	0.005	94	250632	25.0	25.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	10.515	10.515	0.000	96	357416	25.0	21.9	
63 1,2-Dichloropropane	63	10.588	10.582	0.006	85	256783	25.0	23.8	
70 Dichlorobromomethane	83	10.916	10.910	0.006	96	315294	25.0	26.6	
73 cis-1,3-Dichloropropene	75	11.452	11.446	0.006	91	384069	25.0	25.1	
75 4-Methyl-2-pentanone (MIBK)	43	11.561	11.555	0.006	99	2273081	125.0	116.2	
76 Toluene	92	11.896	11.890	0.006	98	590145	25.0	24.5	
78 trans-1,3-Dichloropropene	75	12.151	12.151	0.000	94	358504	25.0	25.0	
79 1,1,2-Trichloroethane	83	12.431	12.431	0.000	92	185348	25.0	24.7	
80 Tetrachloroethene	166	12.638	12.632	0.006	95	269262	25.0	25.9	
83 2-Hexanone	43	12.644	12.644	0.000	99	1610784	125.0	119.8	
81 Chlorodibromomethane	129	13.015	13.009	0.006	90	276646	25.0	27.0	
85 Ethylene Dibromide	107	13.216	13.210	0.006	98	269092	25.0	26.0	
87 Chlorobenzene	112	13.806	13.800	0.006	94	682622	25.0	25.4	
89 Ethylbenzene	91	13.873	13.867	0.006	98	1090841	25.0	24.9	
90 m-Xylene & p-Xylene	106	14.013	14.007	0.006	0	456164		24.4	
93 o-Xylene	106	14.560	14.561	-0.001	97	459516		24.8	
94 Styrene	104	14.579	14.579	0.000	96	721113	25.0	24.6	
92 Bromoform	173	14.931	14.932	-0.001	96	179303	25.0	26.1	
95 Isopropylbenzene	105	15.004	15.005	-0.001	96	1165699	25.0	22.8	
97 1,1,2,2-Tetrachloroethane	83	15.430	15.424	0.006	96	366227	25.0	23.8	
102 1,3,5-Trimethylbenzene	105	15.728	15.729	-0.001	95	989491	25.0	23.5	
107 1,2,4-Trimethylbenzene	105	16.227	16.227	0.000	95	1056037	25.0	23.5	
110 1,3-Dichlorobenzene	146	16.677	16.678	-0.001	99	627092	25.0	24.1	
111 1,4-Dichlorobenzene	146	16.787	16.781	0.006	94	614954	25.0	23.7	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	98	1094195	25.0	23.5	
116 1,2-Dichlorobenzene	146	17.267	17.268	-0.001	97	643641	25.0	24.7	
117 1,2-Dibromo-3-Chloropropan	75	18.247	18.241	0.006	82	94947	25.0	22.9	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	95	446568	25.0	22.9	
S 126 Xylenes, Total	1				0			49.2	

Reagents:

ADD CORP mix_00051

Amount Added: 12.50

Units: uL

GAS CORP mix_00181

Amount Added: 12.50

Units: uL

8260 CORP mix_00083

Amount Added: 12.50

Units: uL

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr_00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20161001-56898.b\\P0860.D

Injection Date: 01-Oct-2016 20:00:30

Instrument ID: HP5973P

Operator ID: gtg

Lims ID: 480-106799-B-8 MSD

Worklist Smp#: 24

Client ID: 4009-14

Purge Vol: 5.000 mL

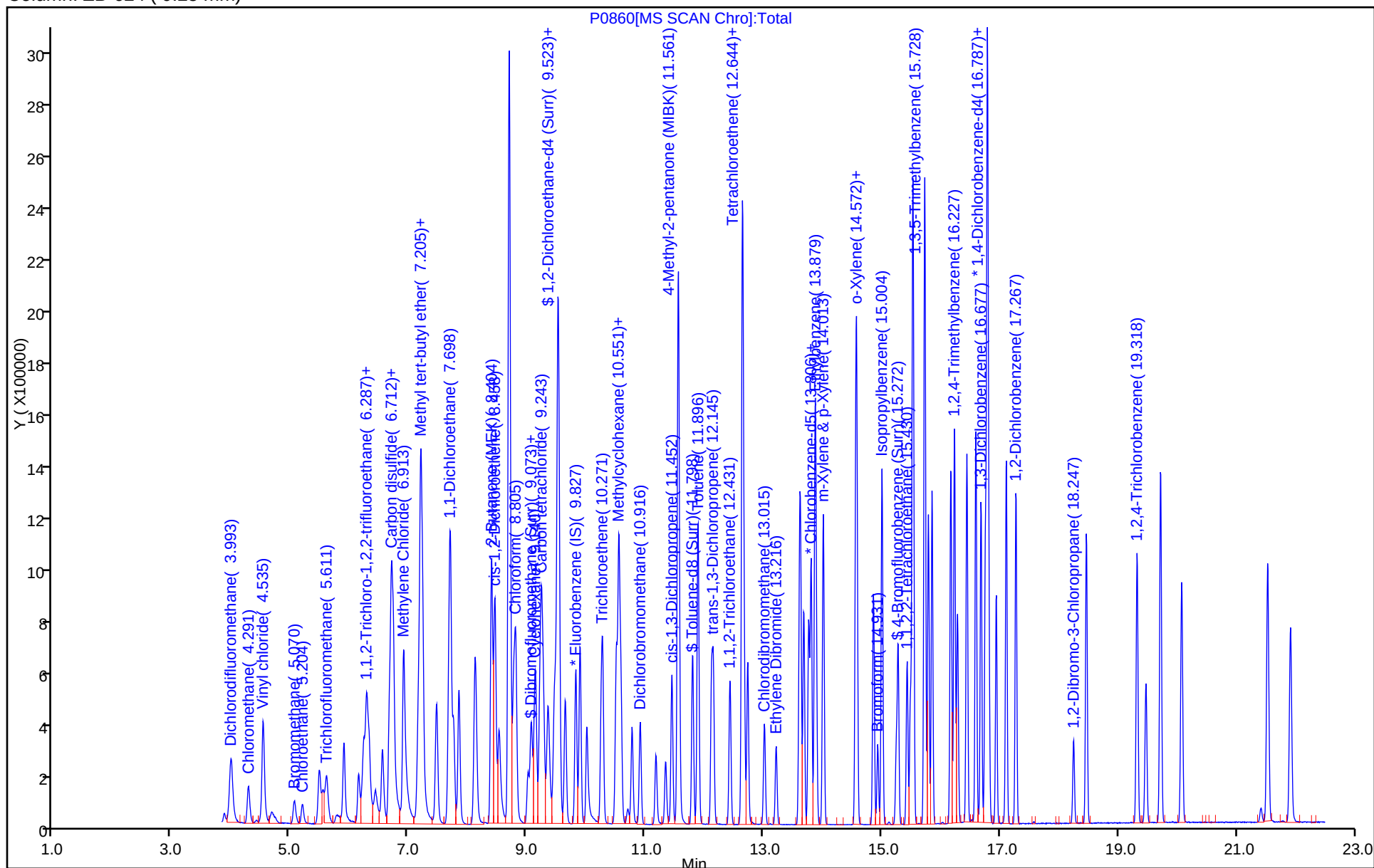
Dil. Factor: 1.0000

ALS Bottle#: 24

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-27I MSD</u>	Lab Sample ID: <u>480-106799-17 MSD</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0921.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:05</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/04/2016 05:10</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323586</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.4		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	21.5		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.0		1.0	0.31
79-00-5	1,1,2-Trichloroethane	23.3		1.0	0.23
75-34-3	1,1-Dichloroethane	23.4		1.0	0.38
75-35-4	1,1-Dichloroethene	25.3		1.0	0.29
526-73-8	1,2,3-Trimethylbenzene	24.1		1.0	0.26
120-82-1	1,2,4-Trichlorobenzene	21.4		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	22.5		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	21.3		1.0	0.39
106-93-4	1,2-Dibromoethane	24.1		1.0	0.73
95-50-1	1,2-Dichlorobenzene	23.2		1.0	0.79
107-06-2	1,2-Dichloroethane	25.5		1.0	0.21
78-87-5	1,2-Dichloropropane	23.1		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	22.8		1.0	0.77
541-73-1	1,3-Dichlorobenzene	23.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	22.7		1.0	0.84
78-93-3	2-Butanone (MEK)	190		10	1.3
591-78-6	2-Hexanone	110		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	105		5.0	2.1
67-64-1	Acetone	109		10	3.0
71-43-2	Benzene	27.7		1.0	0.41
75-27-4	Bromodichloromethane	25.7		1.0	0.39
75-25-2	Bromoform	24.6		1.0	0.26
74-83-9	Bromomethane	38.9		1.0	0.69
75-15-0	Carbon disulfide	29.3		1.0	0.19
56-23-5	Carbon tetrachloride	28.9		1.0	0.27
108-90-7	Chlorobenzene	24.8		1.0	0.75
75-00-3	Chloroethane	32.2		1.0	0.32
67-66-3	Chloroform	24.9		1.0	0.34
74-87-3	Chloromethane	21.2		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.7		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.1		1.0	0.36
110-82-7	Cyclohexane	23.6		1.0	0.18
124-48-1	Dibromochloromethane	25.3		1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-106799-1</u>
SDG No.: _____	
Client Sample ID: <u>4009-27I MSD</u>	Lab Sample ID: <u>480-106799-17 MSD</u>
Matrix: <u>Water</u>	Lab File ID: <u>P0921.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/29/2016 10:05</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/04/2016 05:10</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>323586</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	26.8		1.0	0.68
100-41-4	Ethylbenzene	24.5		1.0	0.74
98-82-8	Isopropylbenzene	22.3		1.0	0.79
79-20-9	Methyl acetate	101		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.9		1.0	0.16
108-87-2	Methylcyclohexane	22.9		1.0	0.16
75-09-2	Methylene Chloride	24.0		1.0	0.44
100-42-5	Styrene	23.9		1.0	0.73
127-18-4	Tetrachloroethene	26.0		1.0	0.36
108-88-3	Toluene	23.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.4		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.1		1.0	0.37
79-01-6	Trichloroethene	25.4		1.0	0.46
75-69-4	Trichlorofluoromethane	28.9		1.0	0.88
75-01-4	Vinyl chloride	22.9		1.0	0.90
1330-20-7	Xylenes, Total	47.8		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123
2037-26-5	Toluene-d8 (Surr)	87		80-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P0921.D
 Lims ID: 480-106799-A-17 MSD
 Client ID: 4009-271
 Sample Type: MSD
 Inject. Date: 04-Oct-2016 05:10:30 ALS Bottle#: 25 Worklist Smp#: 23
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-106799-A-17 MSD
 Misc. Info.: 480-0056940-023
 Operator ID: SY Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 04-Oct-2016 16:03:28 Calib Date: 15-Sep-2016 21:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20160915-56398.b\P0173.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: farrellr

Date: 04-Oct-2016 16:05:36

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	9.827	9.821	0.006	98	139584	25.0	25.0	
* 2 Chlorobenzene-d5	82	13.763	13.764	-0.001	85	292928	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	16.757	16.751	0.006	94	336785	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.018	9.018	0.000	93	159047	25.0	23.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.456	9.456	0.000	0	106298	25.0	23.8	
\$ 5 Toluene-d8 (Surr)	98	11.805	11.799	0.005	93	566336	25.0	21.8	
\$ 6 4-Bromofluorobenzene (Surr	174	15.278	15.278	0.000	92	237841	25.0	26.7	
10 Dichlorodifluoromethane	85	3.987	3.981	0.006	98	311288	25.0	26.8	
11 Chloromethane	50	4.322	4.297	0.025	99	258113	25.0	21.2	
17 Vinyl chloride	62	4.541	4.529	0.012	70	201833	25.0	22.9	
12 Bromomethane	94	5.082	5.076	0.006	92	147206	25.0	38.9	
13 Chloroethane	64	5.216	5.198	0.018	97	151116	25.0	32.2	
14 Trichlorofluoromethane	101	5.624	5.611	0.013	98	471480	25.0	28.9	
16 1,1,2-Trichloro-1,2,2-trif	101	6.250	6.244	0.006	94	280320	25.0	26.0	
25 1,1-Dichloroethene	96	6.299	6.287	0.012	94	237110	25.0	25.3	
24 Acetone	43	6.335	6.323	0.012	98	623566	125.0	108.8	
27 Carbon disulfide	76	6.676	6.664	0.012	100	928833	25.0	29.3	
30 Methyl acetate	43	6.706	6.700	0.006	100	1520394	125.0	101.1	
31 Methylene Chloride	84	6.919	6.907	0.012	94	238559	25.0	24.0	
32 Methyl tert-butyl ether	73	7.169	7.163	0.006	99	761199	25.0	23.9	
35 trans-1,2-Dichloroethene	96	7.236	7.230	0.006	93	240429	25.0	24.4	
40 1,1-Dichloroethane	63	7.765	7.753	0.012	97	485630	25.0	23.4	
44 2-Butanone (MEK)	43	8.404	8.398	0.006	95	1934989	125.0	190.5	
43 cis-1,2-Dichloroethene	96	8.459	8.453	0.007	84	266507	25.0	24.7	
49 Chloroform	83	8.811	8.805	0.006	94	416853	25.0	24.9	
52 1,1,1-Trichloroethane	97	9.073	9.067	0.006	98	412075	25.0	27.4	
54 Cyclohexane	56	9.140	9.140	0.000	94	552526	25.0	23.6	
55 Carbon tetrachloride	117	9.274	9.274	0.000	96	407790	25.0	28.9	
57 Benzene	78	9.523	9.517	0.006	96	1053255	25.0	27.7	
60 1,2-Dichloroethane	62	9.547	9.541	0.006	97	401602	25.0	25.5	
62 Trichloroethene	95	10.278	10.278	0.000	93	261389	25.0	25.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	10.515	10.509	0.006	95	385341	25.0	22.9	
63 1,2-Dichloropropane	63	10.588	10.582	0.006	84	256362	25.0	23.1	
70 Dichlorobromomethane	83	10.916	10.910	0.006	96	313900	25.0	25.7	
73 cis-1,3-Dichloropropene	75	11.452	11.446	0.006	91	379576	25.0	24.1	
75 4-Methyl-2-pentanone (MIBK)	43	11.555	11.555	0.000	99	2176338	125.0	104.8	
76 Toluene	92	11.890	11.890	0.000	98	608966	25.0	23.8	
78 trans-1,3-Dichloropropene	75	12.151	12.145	0.006	98	351213	25.0	23.1	
79 1,1,2-Trichloroethane	83	12.437	12.431	0.006	95	185245	25.0	23.3	
80 Tetrachloroethene	166	12.638	12.632	0.006	95	286764	25.0	26.0	
83 2-Hexanone	43	12.644	12.644	0.000	100	1572004	125.0	110.2	
81 Chlorodibromomethane	129	13.015	13.015	0.000	90	275035	25.0	25.3	
85 Ethylene Dibromide	107	13.216	13.210	0.006	99	264476	25.0	24.1	
87 Chlorobenzene	112	13.806	13.800	0.006	95	708032	25.0	24.8	
89 Ethylbenzene	91	13.873	13.867	0.006	98	1138001	25.0	24.5	
90 m-Xylene & p-Xylene	106	14.013	14.007	0.006	0	474991		23.9	
93 o-Xylene	106	14.560	14.560	0.000	95	469112		23.9	
94 Styrene	104	14.579	14.579	0.000	95	744909	25.0	23.9	
92 Bromoform	173	14.931	14.932	-0.001	96	179586	25.0	24.6	
95 Isopropylbenzene	105	15.004	15.005	-0.001	96	1206332	25.0	22.3	
97 1,1,2,2-Tetrachloroethane	83	15.430	15.430	0.000	96	351153	25.0	21.5	
102 1,3,5-Trimethylbenzene	105	15.728	15.728	0.000	95	1021199	25.0	22.8	
107 1,2,4-Trimethylbenzene	105	16.227	16.227	0.000	96	1071844	25.0	22.5	
110 1,3-Dichlorobenzene	146	16.677	16.678	-0.001	99	639818	25.0	23.2	
111 1,4-Dichlorobenzene	146	16.787	16.781	0.006	94	624237	25.0	22.7	
113 1,2,3-Trimethylbenzene	105	16.787	16.787	0.000	98	1190833		24.1	
116 1,2-Dichlorobenzene	146	17.268	17.274	-0.006	98	643200	25.0	23.2	
117 1,2-Dibromo-3-Chloropropan	75	18.241	18.247	-0.006	83	93276	25.0	21.3	
119 1,2,4-Trichlorobenzene	180	19.318	19.318	0.000	95	442391	25.0	21.4	
S 126 Xylenes, Total	1				0			47.8	

Reagents:

GAS CORP mix_00182

Amount Added: 12.50

Units: uL

8260 CORP mix_00083

Amount Added: 12.50

Units: uL

P 8260 IS_00170

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00196

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20161003-56940.b\PO921.D

Injection Date: 04-Oct-2016 05:10:30

Instrument ID: HP5973P

Operator ID: SY

Lims ID: 480-106799-A-17 MSD

Worklist Smp#: 23

Client ID: 4009-271

Purge Vol: 5.000 mL

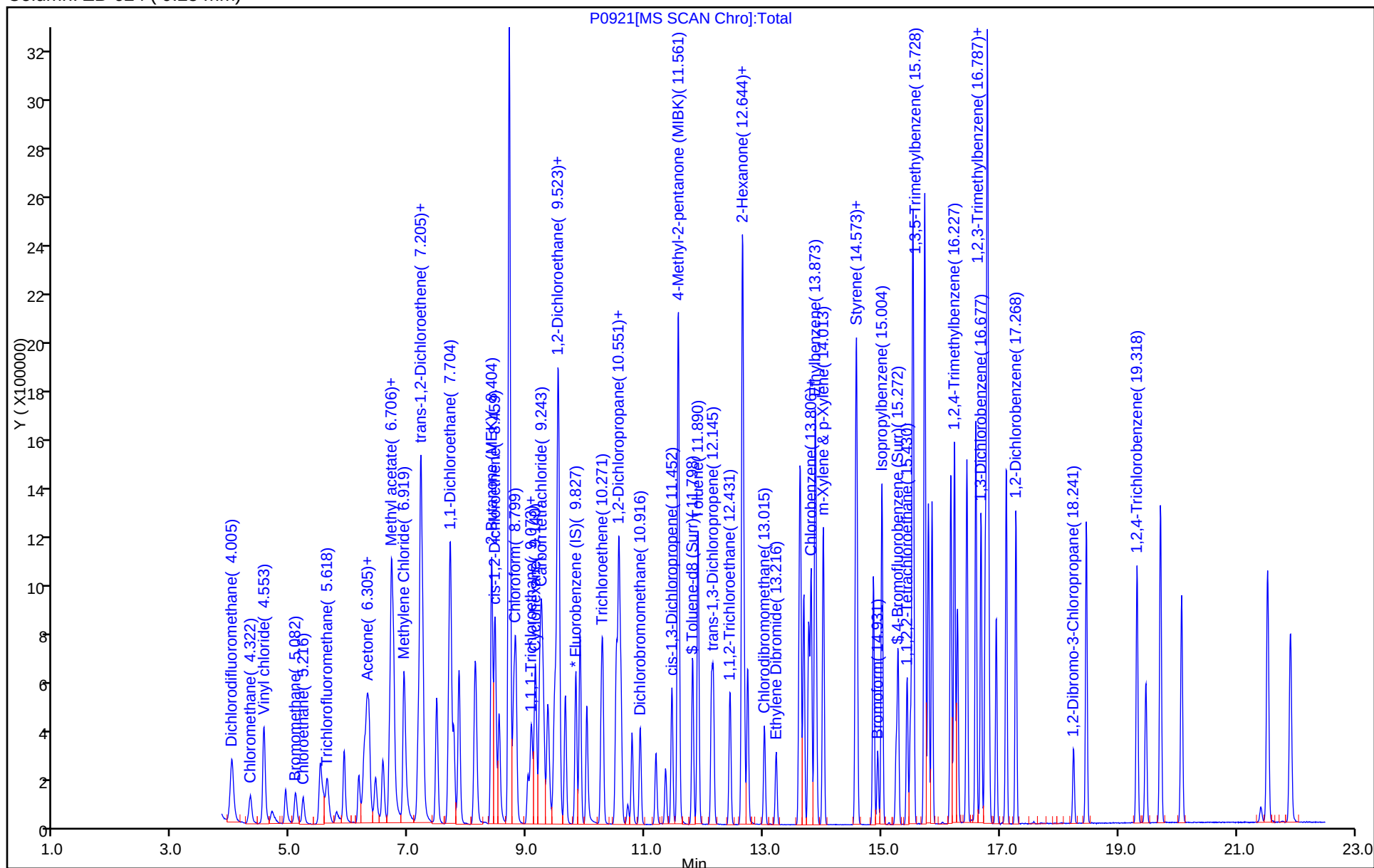
Dil. Factor: 1.0000

ALS Bottle#: 25

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-106799-1

SDG No.: _____

Instrument ID: HP5973PStart Date: 09/15/2016 14:06Analysis Batch Number: 320502End Date: 09/15/2016 23:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-320502/3		09/15/2016 14:06	1	P0157.D	ZB-624 (60) 0.25 (mm)
IC 480-320502/5		09/15/2016 15:01	1	P0159.D	ZB-624 (60) 0.25 (mm)
IC 480-320502/6		09/15/2016 15:28	1	P0160.D	ZB-624 (60) 0.25 (mm)
IC 480-320502/7		09/15/2016 15:55	1	P0161.D	ZB-624 (60) 0.25 (mm)
IC 480-320502/8		09/15/2016 16:23	1	P0162.D	ZB-624 (60) 0.25 (mm)
ICIS 480-320502/9		09/15/2016 16:50	1	P0163.D	ZB-624 (60) 0.25 (mm)
IC 480-320502/10		09/15/2016 17:17	1	P0164.D	ZB-624 (60) 0.25 (mm)
IC 480-320502/11		09/15/2016 17:44	1	P0165.D	ZB-624 (60) 0.25 (mm)
IC 480-320502/13		09/15/2016 18:38	1	P0167.D	ZB-624 (60) 0.25 (mm)
IC 480-320502/14		09/15/2016 19:05	1	P0168.D	ZB-624 (60) 0.25 (mm)
IC 480-320502/15		09/15/2016 19:32	1	P0169.D	ZB-624 (60) 0.25 (mm)
IC 480-320502/16		09/15/2016 20:00	1	P0170.D	ZB-624 (60) 0.25 (mm)
IC 480-320502/17		09/15/2016 20:27	1	P0171.D	ZB-624 (60) 0.25 (mm)
IC 480-320502/18		09/15/2016 20:54	1	P0172.D	ZB-624 (60) 0.25 (mm)
IC 480-320502/19		09/15/2016 21:21	1	P0173.D	ZB-624 (60) 0.25 (mm)
MDLV 480-320502/21		09/15/2016 22:15	1		ZB-624 (60) 0.25 (mm)
MDLV 480-320502/22		09/15/2016 22:42	1		ZB-624 (60) 0.25 (mm)
ICV 480-320502/23		09/15/2016 23:09	1		ZB-624 (60) 0.25 (mm)
ICV 480-320502/24		09/15/2016 23:36	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-106799-1

SDG No.: _____

Instrument ID: HP5973PStart Date: 09/30/2016 20:46Analysis Batch Number: 323329End Date: 10/01/2016 07:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-323329/1		09/30/2016 20:46	1	P0813.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-323329/2		09/30/2016 21:28	1	P0814.D	ZB-624 (60) 0.25 (mm)
CCV 480-323329/3		09/30/2016 21:55	1	P0815.D	ZB-624 (60) 0.25 (mm)
LCS 480-323329/4		09/30/2016 22:22	1	P0816.D	ZB-624 (60) 0.25 (mm)
RL 480-323329/5		09/30/2016 23:16	1		ZB-624 (60) 0.25 (mm)
MB 480-323329/6		09/30/2016 23:43	1	P0819.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2016 00:25	50		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2016 00:52	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2016 01:19	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2016 01:46	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2016 02:13	1		ZB-624 (60) 0.25 (mm)
480-106799-1		10/01/2016 02:40	5	P0825.D	ZB-624 (60) 0.25 (mm)
480-106799-2		10/01/2016 03:08	1	P0826.D	ZB-624 (60) 0.25 (mm)
480-106799-3		10/01/2016 03:35	1	P0827.D	ZB-624 (60) 0.25 (mm)
480-106799-4		10/01/2016 04:02	1	P0828.D	ZB-624 (60) 0.25 (mm)
480-106799-5		10/01/2016 04:29	1	P0829.D	ZB-624 (60) 0.25 (mm)
480-106799-6		10/01/2016 04:56	1	P0830.D	ZB-624 (60) 0.25 (mm)
480-106799-7		10/01/2016 05:24	1	P0831.D	ZB-624 (60) 0.25 (mm)
480-106799-8		10/01/2016 05:51	1	P0832.D	ZB-624 (60) 0.25 (mm)
480-106799-9		10/01/2016 06:18	1	P0833.D	ZB-624 (60) 0.25 (mm)
480-106799-10		10/01/2016 06:45	1	P0834.D	ZB-624 (60) 0.25 (mm)
480-106799-11		10/01/2016 07:12	1	P0835.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2016 07:39	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-106799-1

SDG No.: _____

Instrument ID: HP5973PStart Date: 10/01/2016 09:39Analysis Batch Number: 323358End Date: 10/01/2016 20:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-323358/2		10/01/2016 09:39	1	P0838.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-323358/3		10/01/2016 10:16	1	P0839.D	ZB-624 (60) 0.25 (mm)
CCV 480-323358/4		10/01/2016 10:43	1	P0840.D	ZB-624 (60) 0.25 (mm)
LCS 480-323358/5		10/01/2016 11:10	1	P0841.D	ZB-624 (60) 0.25 (mm)
RL 480-323358/6		10/01/2016 11:37	1		ZB-624 (60) 0.25 (mm)
MB 480-323358/7		10/01/2016 12:04	1	P0843.D	ZB-624 (60) 0.25 (mm)
480-106799-12		10/01/2016 12:46	1	P0844.D	ZB-624 (60) 0.25 (mm)
480-106799-13		10/01/2016 13:13	1	P0845.D	ZB-624 (60) 0.25 (mm)
480-106799-14		10/01/2016 13:40	1	P0846.D	ZB-624 (60) 0.25 (mm)
480-106799-15		10/01/2016 14:07	1	P0847.D	ZB-624 (60) 0.25 (mm)
480-106799-16		10/01/2016 14:34	1	P0848.D	ZB-624 (60) 0.25 (mm)
480-106799-18		10/01/2016 15:01	1	P0849.D	ZB-624 (60) 0.25 (mm)
480-106799-19		10/01/2016 15:29	1	P0850.D	ZB-624 (60) 0.25 (mm)
480-106799-20		10/01/2016 15:56	20	P0851.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2016 16:23	25		ZB-624 (60) 0.25 (mm)
480-106799-22		10/01/2016 16:50	1	P0853.D	ZB-624 (60) 0.25 (mm)
480-106799-23		10/01/2016 17:17	1	P0854.D	ZB-624 (60) 0.25 (mm)
480-106799-24		10/01/2016 17:45	1	P0855.D	ZB-624 (60) 0.25 (mm)
480-106799-25		10/01/2016 18:12	1	P0856.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2016 18:39	25		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/01/2016 19:06	25		ZB-624 (60) 0.25 (mm)
480-106799-8 MS		10/01/2016 19:33	1	P0859.D	ZB-624 (60) 0.25 (mm)
480-106799-8 MSD		10/01/2016 20:00	1	P0860.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-106799-1

SDG No.: _____

Instrument ID: HP5973PStart Date: 10/03/2016 18:30Analysis Batch Number: 323586End Date: 10/04/2016 05:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-323586/2		10/03/2016 18:30	1	P0898.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-323586/3		10/03/2016 18:58	1	P0899.D	ZB-624 (60) 0.25 (mm)
CCV 480-323586/4		10/03/2016 19:25	1	P0900.D	ZB-624 (60) 0.25 (mm)
LCS 480-323586/5		10/03/2016 19:53	1	P0901.D	ZB-624 (60) 0.25 (mm)
RL 480-323586/6		10/03/2016 20:20	1		ZB-624 (60) 0.25 (mm)
MB 480-323586/7		10/03/2016 20:47	1	P0903.D	ZB-624 (60) 0.25 (mm)
480-106799-17		10/03/2016 21:27	1	P0904.D	ZB-624 (60) 0.25 (mm)
480-106799-21		10/03/2016 21:55	1	P0905.D	ZB-624 (60) 0.25 (mm)
480-106799-26		10/03/2016 22:22	1	P0906.D	ZB-624 (60) 0.25 (mm)
480-106799-27		10/03/2016 22:49	2	P0907.D	ZB-624 (60) 0.25 (mm)
480-106799-28		10/03/2016 23:16	1	P0908.D	ZB-624 (60) 0.25 (mm)
480-106799-29		10/03/2016 23:43	1	P0909.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/04/2016 00:11	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/04/2016 00:38	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/04/2016 01:05	8		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/04/2016 01:32	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/04/2016 02:00	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/04/2016 02:27	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/04/2016 02:54	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/04/2016 03:21	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/04/2016 03:48	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/04/2016 04:16	2		ZB-624 (60) 0.25 (mm)
480-106799-17 MS		10/04/2016 04:43	1	P0920.D	ZB-624 (60) 0.25 (mm)
480-106799-17 MSD		10/04/2016 05:10	1	P0921.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA Worksheet

Batch Number: 480-323329

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Sep 30 2016 8:46PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	8260 CORP mix_00083	ADD CORP mix_00051
BFB~480-323329/1		8260C			1 uL	1 uL	HP5973P		
CCVIS~480-323329/2		8260C			5 mL	5 mL	HP5973P	12.5 uL	
CCV~480-323329/3		8260C			5 mL	5 mL	HP5973P		12.5 uL
LCS~480-323329/4		8260C			5 mL	5 mL	HP5973P	12.5 uL	12.5 uL
RL~480-323329/5					5 mL	5 mL	HP5973P		1 uL
MB~480-323329/6		8260C			5 mL	5 mL	HP5973P		
480-106545-X-1	Primary Leachate (Pump Station #2)	8260C	T	7 SU	5 mL	5 mL	HP5973P		
480-106545-W-2	Secondary Leachate (Cell #1)	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106545-A-3	Trip Blank	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106557-C-3	ESM-6	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106557-C-9	MW-9	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-1	WELL 1-1	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-2	4009-9	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-3	4009-10	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-4	4009-11	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-5	4009-12	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-6	4009-13	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-7	4009-13A	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-8	4009-14	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-9	4009-15	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-10	4009-16	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-8~MS4009-14		8260C	T	<2 SU	5 mL	5 mL	HP5973P	12.5 uL	12.5 uL
480-106799-A-11	4009-16A	8260C	T	<2 SU	5 mL	5 mL	HP5973P		

GC/MS VOA Worksheet

Batch Number: 480-323329

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Sep 30 2016 8:46PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	BFB_WRK_00056	GAS CORP mix_00181	P 8260 IS_00170	P 8260 Surr._00196
BFB~480-323329/1		8260C		1 uL			
CCVIS~480-323329/2		8260C			12.5 uL	1.25 uL	1.25 uL
CCV~480-323329/3		8260C				1.25 uL	1.25 uL
LCS~480-323329/4		8260C			12.5 uL	1.25 uL	1.25 uL
RL~480-323329/5						1.25 uL	1.25 uL
MB~480-323329/6		8260C				1.25 uL	1.25 uL
480-106545-X-1	Primary Leachate (Pump Station #2)	8260C	T			1.25 uL	1.25 uL
480-106545-W-2	Secondary Leachate (Cell #1)	8260C	T			1.25 uL	1.25 uL
480-106545-A-3	Trip Blank	8260C	T			1.25 uL	1.25 uL
480-106557-C-3	ESM-6	8260C	T			1.25 uL	1.25 uL
480-106557-C-9	MW-9	8260C	T			1.25 uL	1.25 uL
480-106799-A-1	WELL 1-1	8260C	T			1.25 uL	1.25 uL
480-106799-A-2	4009-9	8260C	T			1.25 uL	1.25 uL
480-106799-A-3	4009-10	8260C	T			1.25 uL	1.25 uL
480-106799-A-4	4009-11	8260C	T			1.25 uL	1.25 uL
480-106799-A-5	4009-12	8260C	T			1.25 uL	1.25 uL
480-106799-A-6	4009-13	8260C	T			1.25 uL	1.25 uL
480-106799-A-7	4009-13A	8260C	T			1.25 uL	1.25 uL
480-106799-A-8	4009-14	8260C	T			1.25 uL	1.25 uL
480-106799-A-9	4009-15	8260C	T			1.25 uL	1.25 uL
480-106799-A-10	4009-16	8260C	T			1.25 uL	1.25 uL
480-106799-A-8~MS4009-14		8260C	T		12.5 uL	1.25 uL	1.25 uL
480-106799-A-11	4009-16A	8260C	T			1.25 uL	1.25 uL

GC/MS VOA Worksheet

Batch Number: 480-323358
Method: 8260C
Analyst: Youngman, Shawna M

Date Open: Oct 01 2016 9:39AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	8260 CORP mix_00083	ADD CORP mix_00051
BFB~480-323358/2		8260C			1 uL	1 uL	HP5973P		
CCVIS~480-323358/3		8260C			5 mL	5 mL	HP5973P	12.5 uL	
CCV~480-323358/4		8260C			5 mL	5 mL	HP5973P		12.5 uL
LCS~480-323358/5		8260C			5 mL	5 mL	HP5973P	12.5 uL	12.5 uL
RL~480-323358/6					5 mL	5 mL	HP5973P	1 uL	1 uL
MB~480-323358/7		8260C			5 mL	5 mL	HP5973P		
480-106799-A-12	4009-18	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-13	4009-19	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-14	4009-21	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-15	4009-22	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-16	4009-27S	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-18	4009-27D	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-19	4009-28	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-20	4009-29S	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-21	4009-29I	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-22	4009-29D	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-23	4009-30	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-24	4009-30A	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-25	4009-11A	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-26	DUP-1_20160929	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-27	DUP-2_20160929	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-B-8~MS4009-14		8260C	T	<2 SU	5 mL	5 mL	HP5973P	12.5 uL	12.5 uL
480-106799-B-8~MS4009-14 D		8260C	T	<2 SU	5 mL	5 mL	HP5973P	12.5 uL	12.5 uL

GC/MS VOA Worksheet

Batch Number: 480-323358
 Method: 8260C
 Analyst: Youngman, Shawna M

Date Open: Oct 01 2016 9:39AM
 Batch End:

Lab ID	Client ID	Method Chain	Basis	BFB_WRK_00056	GAS CORP mix_00181	P 8260 IS_00170	P 8260 Surr._00196
BFB~480-323358/2		8260C		1 uL			
CCVIS~480-323358/3		8260C			12.5 uL	1.25 uL	1.25 uL
CCV~480-323358/4		8260C				1.25 uL	1.25 uL
LCS~480-323358/5		8260C			12.5 uL	1.25 uL	1.25 uL
RL~480-323358/6						1.25 uL	1.25 uL
MB~480-323358/7		8260C				1.25 uL	1.25 uL
480-106799-A-12	4009-18	8260C	T			1.25 uL	1.25 uL
480-106799-A-13	4009-19	8260C	T			1.25 uL	1.25 uL
480-106799-A-14	4009-21	8260C	T			1.25 uL	1.25 uL
480-106799-A-15	4009-22	8260C	T			1.25 uL	1.25 uL
480-106799-A-16	4009-27S	8260C	T			1.25 uL	1.25 uL
480-106799-A-18	4009-27D	8260C	T			1.25 uL	1.25 uL
480-106799-A-19	4009-28	8260C	T			1.25 uL	1.25 uL
480-106799-A-20	4009-29S	8260C	T			1.25 uL	1.25 uL
480-106799-A-21	4009-29I	8260C	T			1.25 uL	1.25 uL
480-106799-A-22	4009-29D	8260C	T			1.25 uL	1.25 uL
480-106799-A-23	4009-30	8260C	T			1.25 uL	1.25 uL
480-106799-A-24	4009-30A	8260C	T			1.25 uL	1.25 uL
480-106799-A-25	4009-11A	8260C	T			1.25 uL	1.25 uL
480-106799-A-26	DUP-1_20160929	8260C	T			1.25 uL	1.25 uL
480-106799-A-27	DUP-2_20160929	8260C	T			1.25 uL	1.25 uL
480-106799-B-8~MS4009-14		8260C	T		12.5 uL	1.25 uL	1.25 uL
480-106799-B-8~MS4009-14 D		8260C	T		12.5 uL	1.25 uL	1.25 uL

GC/MS VOA Worksheet

Batch Number: 480-323358
 Method: 8260C
 Analyst: Youngman, Shawna M

Date Open: Oct 01 2016 9:39AM
 Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
BFB~480-323358/2		8260C		
CCVIS~480-323358/3		8260C		
CCV~480-323358/4		8260C		
LCS~480-323358/5		8260C		
RL~480-323358/6				
MB~480-323358/7		8260C		
480-106799-A-12	4009-18	8260C	T	
480-106799-A-13	4009-19	8260C	T	
480-106799-A-14	4009-21	8260C	T	
480-106799-A-15	4009-22	8260C	T	
480-106799-A-16	4009-27S	8260C	T	
480-106799-A-18	4009-27D	8260C	T	
480-106799-A-19	4009-28	8260C	T	
480-106799-A-20	4009-29S	8260C	T	
480-106799-A-21	4009-29I	8260C	T	A lower dilution is needed.
480-106799-A-22	4009-29D	8260C	T	
480-106799-A-23	4009-30	8260C	T	
480-106799-A-24	4009-30A	8260C	T	
480-106799-A-25	4009-11A	8260C	T	
480-106799-A-26	DUP-1_20160929	8260C	T	A lower dilution is needed.
480-106799-A-27	DUP-2_20160929	8260C	T	A lower dilution is needed.
480-106799-B-8~MS4009-14		8260C	T	
480-106799-B-8~MS4009-14 D		8260C	T	

GC/MS VOA Worksheet

Batch Number: 480-323586

Method: 8260C

Analyst: Farrell, Ryan J

Date Open: Oct 03 2016 6:30PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	8260 CORP mix_00083	ADD CORP mix_00051
BFB~480-323586/2		8260C			1 uL	1 uL	HP5973P		
CCVIS~480-323586/3		8260C			5 mL	5 mL	HP5973P	12.5 uL	
CCV~480-323586/4		8260C			5 mL	5 mL	HP5973P		12.5 uL
LCS~480-323586/5		8260C			5 mL	5 mL	HP5973P	12.5 uL	12.5 uL
RL~480-323586/6					5 mL	5 mL	HP5973P	1 uL	1 uL
MB~480-323586/7		8260C			5 mL	5 mL	HP5973P		
480-106799-A-17	4009-27I	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-B-21	4009-29I	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-B-26	DUP-1_20160929	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-B-27	DUP-2_20160929	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-28	FIELD BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-29	TB-20160929	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106837-C-6	AP-2	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106873-B-1	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106873-F-2	C-106	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106873-F-3	FD@GZ-6	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106873-F-4	GZ-3	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106873-F-5	GZ-4	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106873-F-6	GZ-5	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106873-F-7	GZ-6	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106799-A-17~M4009-27I S		8260C	T	<2 SU	5 mL	5 mL	HP5973P	12.5 uL	
480-106799-A-17~M4009-27I SD		8260C	T	<2 SU	5 mL	5 mL	HP5973P	12.5 uL	
480-106837-C-1	103	8260C	T	<2 SU	5 mL	5 mL	HP5973P		
480-106837-C-4	302	8260C	T	<2 SU	5 mL	5 mL	HP5973P		

GC/MS VOA Worksheet

Batch Number: 480-323586

Method: 8260C

Analyst: Farrell, Ryan J

Date Open: Oct 03 2016 6:30PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	BFB_WRK_00056	GAS CORP mix_00181	GAS CORP mix_00182	P 8260 IS_00170	P 8260 Surr._00196
BFB~480-323586/2		8260C		1 uL				
CCVIS~480-323586/3		8260C			12.5 uL		1.25 uL	1.25 uL
CCV~480-323586/4		8260C					1.25 uL	1.25 uL
LCS~480-323586/5		8260C				12.5 uL	1.25 uL	1.25 uL
RL~480-323586/6							1.25 uL	1.25 uL
MB~480-323586/7		8260C					1.25 uL	1.25 uL
480-106799-A-17	4009-27I	8260C	T				1.25 uL	1.25 uL
480-106799-B-21	4009-29I	8260C	T				1.25 uL	1.25 uL
480-106799-B-26	DUP-1_20160929	8260C	T				1.25 uL	1.25 uL
480-106799-B-27	DUP-2_20160929	8260C	T				1.25 uL	1.25 uL
480-106799-A-28	FIELD BLANK	8260C	T				1.25 uL	1.25 uL
480-106799-A-29	TB-20160929	8260C	T				1.25 uL	1.25 uL
480-106837-C-6	AP-2	8260C	T				1.25 uL	1.25 uL
480-106873-B-1	TRIP BLANK	8260C	T				1.25 uL	1.25 uL
480-106873-F-2	C-106	8260C	T				1.25 uL	1.25 uL
480-106873-F-3	FD@GZ-6	8260C	T				1.25 uL	1.25 uL
480-106873-F-4	GZ-3	8260C	T				1.25 uL	1.25 uL
480-106873-F-5	GZ-4	8260C	T				1.25 uL	1.25 uL
480-106873-F-6	GZ-5	8260C	T				1.25 uL	1.25 uL
480-106873-F-7	GZ-6	8260C	T				1.25 uL	1.25 uL
480-106799-A-17~M4009-27I S		8260C	T			12.5 uL	1.25 uL	1.25 uL
480-106799-A-17~M4009-27I SD		8260C	T			12.5 uL	1.25 uL	1.25 uL
480-106837-C-1	103	8260C	T				1.25 uL	1.25 uL
480-106837-C-4	302	8260C	T				1.25 uL	1.25 uL

Shipping and Receiving Documents

TestAmerica Buffalo

10 Hazelwood Drive

Anherst, NY 14228-2298

Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL



480-106799 COC

Client Information		Sampler: B. Quagliari	Lab PM: Stone, Judy L	Carrier Tracking No(s):
Client Contact: Ms. Katie Bidwell		Phone: 518-250-7300	E-Mail: judy.stone@testamericainc.com	
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: NYSDC-Standby VESTAL				
Site: SSOW#:				

Analysis Requested

Due Date Requested:		TAT Requested (days):	
		Standard	
PO #:	Project 00266401.0000		
WO #:	Contract D007618		
Project #:	48005198		
SSOW#:			

Total Number of Containers		Preservation Codes:	
		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, O=Other)	Field Filtered Sample (Yes or No)	8260C - (MOD) TCL list OLM04.2	Special Instructions/Note:
Well 1-2A				Water			
Well 1-3				Water			
Well 1-1	9/29/16	0735	G	Water			
4009-9		1030		Water			
4009-10		1035		Water			
4009-11		1050		Water			
4009-12		0935		Water			
4009-13		1015		Water			
4009-13A		1020		Water			
4009-14 MS/MSD		0810		Water			
4009-15		0925		Water			

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Polson B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		
Deliverable Requested: I, II, III, IV, Other (specify)			
Empty Kit Relinquished by:		Method of Shipment:	
Relinquished by: km agliari		Received by: Wly	
Relinquished by: km agliari		Received by: Wly	
Relinquished by:		Received by:	
Custody Seals Intact: Yes		Cooler Temperature(s) °C and Other Remarks: 7.0 #1	

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:					
Due Date Requested: TAT Requested (days): Standard					
PO #: Project 00268401.0000					
WO #: Contract D007618					
Project #: 48005198					
SSOM#:					
Sample Identification					
4009-16	9/29/16	0905	G	Water	M N 3
4009-16A		0910	I	Water	/ / /
4009-18		0835	I	Water	/ / /
4009-19		0845	I	Water	/ / /
4009-21		0840	I	Water	/ / /
4009-22		0805	I	Water	/ / /
4009-27S		1000	I	Water	/ / /
4009-27I MS/MSD		1005	I	Water	V 9
4009-27D		1010	I	Water	N 3
4009-28		0750	I	Water	/ / /
4009-29S		0945	↓	Water	↑ ↓ ↑
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by:					
Relinquished by: [Signature]					
Date/Time: 9/29/16 1300					
Company: Arcadis					
Relinquished by:					
Date/Time:					
Company:					
Relinquished by:					
Date/Time:					
Company:					
Custody Seals Intact: A Yes A No					
Custody Seal No.: 2041					

Chain of Custody Record

Client Information		Lab PM:		Carrier Tracking No(s):		COC No:					
Client Contact: Ms. Katie Bidwell		Stone, Judy L				480-87015-18519.3					
Company:		E-Mail:		Page:		Page 3 of 4					
ARCADIS U.S. Inc		judy.stone@testamericainc.com		Job #:							
Address: 855 Route 146 Suite 210		Due Date Requested:		Analysis Requested							
City: Clifton Park		TAT Requested (days):									
State, Zip: NY, 12065		Standard									
Phone: 518-250-7300 (Tel)		PO #: Project 00266401.0000									
Email: katie.bidwell@arcadis-us.com		MO #: Contract D007618									
Project Name: NYSDEC-Standby VESTAL		Contract #: 48005198									
Site:		SSOW#:									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (H=water, S=solid, O=other)	Field Filtered Sample (Yes or No)	880C - (MOD) TCL list OLM04.2	Performs MSD (Yes or No)	880C - (MOD) TCL list OLM04.2	Total Number of Containers	Special Instructions/Note:
4009-291		9/29/16	0950	G	Water						
4009-29D			0955		Water						
4009-30			0920		Water						
4009-30A			0915		Water						
4009-11A			1045		Water						
DUP-1-20160929					Water						Duplicate
DUP-2-20160929					Water						Duplicate
MS					Water						
MSD					Water						
MS					Water						
MSD					Water						
Possible Hazard Identification		Polson B		Unknown		Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B								☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months			
Deliverable Requested: I, II, III, IV, Other (specify)								Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:					
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seal Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:							

[illegible]

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-106799-1

Login Number: 106799
List Number: 1
Creator: Conway, Curtis R

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 (Excluding tests with immediate HTs)..	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

J6G0363

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: 07/20/2016 16:18
Reported: 07/28/2016 22:12

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J6G0363-01
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:24

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		07/22/16 1707	07/22/16 1707	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY

Microbac Laboratories, Inc.

3821 Buck Dr. | Cortland, NY 13045 | 607-753-3403 p | www.microbac.com

Page 1 of 24



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J6G0363-01
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:24

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Naphthalene	<0.500	50.0	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Styrene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Toluene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/16 1707	07/22/16 1707	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/16 1707	07/22/16 1707	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		07/22/16 1707	07/22/16 1707	SAY
Surrogate: 4-Bromofluorobenzene	100		Limit: 70-130	% Rec		07/22/16 1707	07/22/16 1707	SAY
Surrogate: 1,2-Dichlorobenzene-d4	91.0		Limit: 70-130	% Rec		07/22/16 1707	07/22/16 1707	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6G0363-02
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:26



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6G0363-02
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:26

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		07/22/16 1740	07/22/16 1740	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Styrene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6G0363-02
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:26

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/16 1740	07/22/16 1740	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/16 1740	07/22/16 1740	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		07/22/16 1740	07/22/16 1740	SAY
Surrogate: 4-Bromofluorobenzene	106		Limit: 70-130	% Rec		07/22/16 1740	07/22/16 1740	SAY
Surrogate: 1,2-Dichlorobenzene-d4	88.8		Limit: 70-130	% Rec		07/22/16 1740	07/22/16 1740	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6G0363-03
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:30



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6G0363-03
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:30

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		07/22/16 1812	07/22/16 1812	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Styrene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6G0363-03
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:30

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/16 1812	07/22/16 1812	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/16 1812	07/22/16 1812	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		07/22/16 1812	07/22/16 1812	SAY
Surrogate: 4-Bromofluorobenzene	104		Limit: 70-130	% Rec		07/22/16 1812	07/22/16 1812	SAY
Surrogate: 1,2-Dichlorobenzene-d4	87.6		Limit: 70-130	% Rec		07/22/16 1812	07/22/16 1812	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6G0363-04
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:32



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6G0363-04
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:32

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		07/22/16 1845	07/22/16 1845	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Styrene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6G0363-04
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:32

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/16 1845	07/22/16 1845	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/16 1845	07/22/16 1845	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		07/22/16 1845	07/22/16 1845	SAY
Surrogate: 4-Bromofluorobenzene	110		Limit: 70-130	% Rec		07/22/16 1845	07/22/16 1845	SAY
Surrogate: 1,2-Dichlorobenzene-d4	90.4		Limit: 70-130	% Rec		07/22/16 1845	07/22/16 1845	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6G0363-05
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:51



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6G0363-05
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:51

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		07/22/16 1918	07/22/16 1918	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Styrene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6G0363-05
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:51

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/16 1918	07/22/16 1918	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/16 1918	07/22/16 1918	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		07/22/16 1918	07/22/16 1918	SAY
Surrogate: 4-Bromofluorobenzene	101		Limit: 70-130	% Rec		07/22/16 1918	07/22/16 1918	SAY
Surrogate: 1,2-Dichlorobenzene-d4	91.0		Limit: 70-130	% Rec		07/22/16 1918	07/22/16 1918	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6G0363-06
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:53



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6G0363-06
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:53

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		07/22/16 1951	07/22/16 1951	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Styrene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6G0363-06
Sample Type: Grab

Collected By: Bethany Robinson
Collection Date: 07/20/16
Collection Time: 08:53

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/16 1951	07/22/16 1951	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/16 1951	07/22/16 1951	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		07/22/16 1951	07/22/16 1951	SAY
Surrogate: 4-Bromofluorobenzene	106		Limit: 70-130	% Rec		07/22/16 1951	07/22/16 1951	SAY
Surrogate: 1,2-Dichlorobenzene-d4	92.4		Limit: 70-130	% Rec		07/22/16 1951	07/22/16 1951	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6G0363-07
Sample Type: Trip Blank

Collected By: Bethany Robinson
Collection Date: 07/14/16
Collection Time: 18:08



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6G0363-07
Sample Type: Trip Blank

Collected By: Bethany Robinson
Collection Date: 07/14/16
Collection Time: 18:08

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		07/22/16 2057	07/22/16 2057	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Styrene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6G0363-07
Sample Type: Trip Blank

Collected By: Bethany Robinson
Collection Date: 07/14/16
Collection Time: 18:08

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/16 2057	07/22/16 2057	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	07/22/16 2057	07/22/16 2057	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		07/22/16 2057	07/22/16 2057	SAY
Surrogate: 4-Bromofluorobenzene	105		Limit: 70-130	% Rec		07/22/16 2057	07/22/16 2057	SAY
Surrogate: 1,2-Dichlorobenzene-d4	89.4		Limit: 70-130	% Rec		07/22/16 2057	07/22/16 2057	SAY

Laboratory

SAY: Microbac Laboratories, Inc., Sayre Division

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: 8.6°C

Cooler Inspection Checklist

Custody Seals Intact and/or No Evidence of Tampering	Yes	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Correct (or not required)	Yes
Received on Ice (or not required)	Yes		

Project Requested Certification(s)

Microbac Laboratories, Inc., Sayre Division
NY Lab ID No.: 11216

New York State Department of Health



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6G0363

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

Reviewed and Approved By:

A handwritten signature in blue ink, reading "Michael Fifield", is written over a faint, larger blue signature watermark.

Michael Fifield
Division Manager
07/28/2016 22:12

Go Green: Contact Michael Fifield 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 Michael Fifield, Project Manager at michael.fifield@microbac.com. You may also contact Michael Fifield, Managing Director at michael.fifield@microbac.com or Robert Crookston, President at robert.crookston@microbac.com.



Microbac Laboratories, Inc., New York Division

Chain of Custody

J6G0363Client: **Town of Vestal**Project: **Monthly**Project Number: **Town of Vestal Monthly/Quarterly**Field Route ID: **NY-Route 1 Bing**Tenatively Scheduled: **7/12/2016****Report To:**

Bill Peltz
701 Vestal Parkway West
Vestal, NY 13850-1363
Phone: (607) 748-1514

Invoice To:

Darlene Skiba
701 Vestal Parkway West
Vestal, NY 13850-1363
Phone: (607) 748-1514

TAT 7 days**Sample ID: 1-2A Raw**

Lab Sample ID: **J6G0363-01**
Matrix: **Drinking Water**
Type: **Grab**

Sampled Date & Time: 07-20-16 0824

PWSID: _____	Point Type: _____	Compliance Start: _____
Sampling Point: _____	Frequency: _____	Compliance End: _____
Point No: _____	Num/Frequency: _____	Sample Location: _____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14
Total Containers:			2

Sample ID: 1-2A Finished

Lab Sample ID: **J6G0363-02**
Matrix: **Drinking Water**
Type: **Grab**

Sampled Date & Time: 07-20-16 0826

PWSID: _____	Point Type: _____	Compliance Start: _____
Sampling Point: _____	Frequency: _____	Compliance End: _____
Point No: _____	Num/Frequency: _____	Sample Location: _____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14
Total Containers:			2

Sample ID: 1-3 Raw

Lab Sample ID: **J6G0363-03**
Matrix: **Drinking Water**
Type: **Grab**

Sampled Date & Time: 07-20-16 0830

PWSID: _____	Point Type: _____	Compliance Start: _____
Sampling Point: _____	Frequency: _____	Compliance End: _____
Point No: _____	Num/Frequency: _____	Sample Location: _____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1		14



Microbac Laboratories, Inc., New York Division

Chain of Custody

J6G0363Client: **Town of Vestal**Project: **Monthly**Project Number: **Town of Vestal Monthly/Quarterly**Field Route ID: **NY-Route 1 Bing**Tenatively Scheduled: **7/12/2016**

524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14
V-40ml Clear vial, HCL			
Total Containers:			2

Sample ID: 1-3 Finished

Lab Sample ID: **J6G0363-04**
 Matrix: **Drinking Water**
 Type: **Grab**

Sampled Date & Time: 07-20-16 0832

PWSID:	_____	Point Type:	_____	Compliance Start:	_____
Sampling Point:	_____	Frequency	_____	Compliance End:	_____
Point No:	_____	Num/Frequency	_____	Sample Location:	_____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14
Total Containers:			2

Sample ID: 4-2 Raw

Lab Sample ID: **J6G0363-05**
 Matrix: **Drinking Water**
 Type: **Grab**

Sampled Date & Time: 07-20-16 0851

PWSID:	_____	Point Type:	_____	Compliance Start:	_____
Sampling Point:	_____	Frequency	_____	Compliance End:	_____
Point No:	_____	Num/Frequency	_____	Sample Location:	_____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14
Total Containers:			2

Sample ID: 4-2 Finished

Lab Sample ID: **J6G0363-06**
 Matrix: **Drinking Water**
 Type: **Grab**

Sampled Date & Time: 07-20-16 0853

PWSID:	_____	Point Type:	_____	Compliance Start:	_____
Sampling Point:	_____	Frequency	_____	Compliance End:	_____
Point No:	_____	Num/Frequency	_____	Sample Location:	_____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14



Microbac Laboratories, Inc., New York Division

Chain of Custody

J6G0363Client: **Town of Vestal**Project: **Monthly**Project Number: **Town of Vestal Monthly/Quarterly**Field Route ID: **NY-Route 1 Bing**Tenatively Scheduled: **7/12/2016**

524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14
Total Containers:			2

Sample ID: Trip BlankLab Sample ID: **J6G0363-07**Matrix: **Drinking Water**Type: **Trip Blank**Sampled Date & Time: 07-14-16 1905

PWSID:	Point Type:	Compliance Start:
Sampling Point:	Frequency	Compliance End:
Point No:	Num/Frequency	Sample Location:

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14
Total Containers:			1

Sampled by:	Date/Time:	Received by:
Printed Name: Bethany Robinson	07-20-16 0908	Printed Name:
Relinquished by:	Date/Time:	Received by:
Printed Name:	7-20-16 1618	Printed Name:
Relinquished by:	Date/Time:	Received by:
Printed Name:		Printed Name:

As Recieved at Laboratory: On Ice: ☒ Yes / No Temp 8.6 °C

Total Bottles 13

Notes:

Added via by BNR 07/07/2016 17:15



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

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: 08/16/2016 15:40
Reported: 08/29/2016 21:26

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J6H0403-01
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:28

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		08/23/16 1737	08/23/16 1737
1,1,1-Trichloroethane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,1,2-Trichloroethane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,1-Dichloroethane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,1-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,1-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,2,3-Trichloropropane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,2,3-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,2-Dibromo-3-chloropropane (DBCP)	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,2-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,2-Dichloroethane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,2-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,3-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,3-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
1,4-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
2,2-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
2-Chlorotoluene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
4-Chlorotoluene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
4-Isopropyltoluene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Benzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Bromobenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Bromochloromethane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Bromodichloromethane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Bromoform	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Bromomethane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Carbon tetrachloride	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Chlorobenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J6H0403-01
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:28

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
Chloroethane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Chloroform	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Chloromethane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
cis-1,2-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Dibromochloromethane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Dibromomethane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Dichlorodifluoromethane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Ethylbenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Hexachlorobutadiene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Isopropylbenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L		08/23/16 1737	08/23/16 1737
Methylene chloride	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Naphthalene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
n-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
n-Propylbenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
sec-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Styrene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
tert-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Tetrachloroethene (PCE)	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Toluene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
trans-1,2-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Trichloroethene (TCE)	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Trichlorofluoromethane	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Vinyl chloride	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Xylenes (total)	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Total Trihalomethanes	<0.50		0.50	ug/L		08/23/16 1737	08/23/16 1737
Surrogate: 1,2-Dichlorobenzene-d4	98		Limit: 70-130	% Rec		08/23/16 1737	08/23/16 1737
Surrogate: Bromofluorobenzene	88		Limit: 70-130	% Rec		08/23/16 1737	08/23/16 1737



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6H0403-02
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:36



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6H0403-02
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:36

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		08/23/16 1800	08/23/16 1800
1,1,1-Trichloroethane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,1,2-Trichloroethane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,1-Dichloroethane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,1-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,1-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,2,3-Trichloropropane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,2,3-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,2-Dibromo-3-chloropropane (DBCP)	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,2-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,2-Dichloroethane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,2-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,3-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,3-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
1,4-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
2,2-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
2-Chlorotoluene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
4-Chlorotoluene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
4-Isopropyltoluene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Benzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Bromobenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Bromochloromethane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Bromodichloromethane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Bromoform	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Bromomethane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Carbon tetrachloride	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Chlorobenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Chloroethane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Chloroform	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Chloromethane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
cis-1,2-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6H0403-02
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:36

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		08/23/16 1800	08/23/16 1800
Dibromomethane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Dichlorodifluoromethane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Ethylbenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Hexachlorobutadiene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Isopropylbenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L		08/23/16 1800	08/23/16 1800
Methylene chloride	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Naphthalene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
n-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
n-Propylbenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
sec-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Styrene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
tert-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Tetrachloroethene (PCE)	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Toluene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
trans-1,2-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Trichloroethene (TCE)	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Trichlorofluoromethane	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Vinyl chloride	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Xylenes (total)	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Total Trihalomethanes	<0.50		0.50	ug/L		08/23/16 1800	08/23/16 1800
Surrogate: 1,2-Dichlorobenzene-d4	96		Limit: 70-130	% Rec		08/23/16 1800	08/23/16 1800
Surrogate: Bromofluorobenzene	86		Limit: 70-130	% Rec		08/23/16 1800	08/23/16 1800



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6H0403-03
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:44



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6H0403-03
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:44

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		08/23/16 1823	08/23/16 1823
1,1,1-Trichloroethane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,1,2-Trichloroethane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,1-Dichloroethane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,1-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,1-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,2,3-Trichloropropane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,2,3-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,2-Dibromo-3-chloropropane (DBCP)	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,2-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,2-Dichloroethane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,2-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,3-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,3-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
1,4-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
2,2-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
2-Chlorotoluene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
4-Chlorotoluene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
4-Isopropyltoluene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Benzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Bromobenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Bromochloromethane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Bromodichloromethane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Bromoform	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Bromomethane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Carbon tetrachloride	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Chlorobenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Chloroethane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Chloroform	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Chloromethane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
cis-1,2-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6H0403-03
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:44

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		08/23/16 1823	08/23/16 1823
Dibromomethane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Dichlorodifluoromethane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Ethylbenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Hexachlorobutadiene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Isopropylbenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L		08/23/16 1823	08/23/16 1823
Methylene chloride	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Naphthalene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
n-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
n-Propylbenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
sec-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Styrene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
tert-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Tetrachloroethene (PCE)	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Toluene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
trans-1,2-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Trichloroethene (TCE)	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Trichlorofluoromethane	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Vinyl chloride	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Xylenes (total)	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Total Trihalomethanes	<0.50		0.50	ug/L		08/23/16 1823	08/23/16 1823
Surrogate: 1,2-Dichlorobenzene-d4	96		Limit: 70-130	% Rec		08/23/16 1823	08/23/16 1823
Surrogate: Bromofluorobenzene	87		Limit: 70-130	% Rec		08/23/16 1823	08/23/16 1823



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6H0403-04
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:48



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6H0403-04
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:48

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		08/23/16 1847	08/23/16 1847
1,1,1-Trichloroethane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,1,2-Trichloroethane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,1-Dichloroethane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,1-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,1-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,2,3-Trichloropropane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,2,3-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,2-Dibromo-3-chloropropane (DBCP)	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,2-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,2-Dichloroethane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,2-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,3-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,3-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
1,4-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
2,2-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
2-Chlorotoluene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
4-Chlorotoluene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
4-Isopropyltoluene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Benzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Bromobenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Bromochloromethane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Bromodichloromethane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Bromoform	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Bromomethane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Carbon tetrachloride	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Chlorobenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Chloroethane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Chloroform	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Chloromethane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
cis-1,2-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6H0403-04
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:48

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		08/23/16 1847	08/23/16 1847
Dibromomethane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Dichlorodifluoromethane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Ethylbenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Hexachlorobutadiene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Isopropylbenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L		08/23/16 1847	08/23/16 1847
Methylene chloride	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Naphthalene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
n-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
n-Propylbenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
sec-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Styrene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
tert-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Tetrachloroethene (PCE)	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Toluene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
trans-1,2-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Trichloroethene (TCE)	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Trichlorofluoromethane	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Vinyl chloride	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Xylenes (total)	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Total Trihalomethanes	<0.50		0.50	ug/L		08/23/16 1847	08/23/16 1847
Surrogate: 1,2-Dichlorobenzene-d4	99		Limit: 70-130	% Rec		08/23/16 1847	08/23/16 1847
Surrogate: Bromofluorobenzene	89		Limit: 70-130	% Rec		08/23/16 1847	08/23/16 1847



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6H0403-05
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:10



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6H0403-05
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:10

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

Method: 524.2

1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,1,1-Trichloroethane	0.71		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,1,2-Trichloroethane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,1-Dichloroethane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,1-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,1-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,2,3-Trichloropropane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,2,3-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,2-Dibromo-3-chloropropane (DBCP)	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,2-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,2-Dichloroethane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,2-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,3-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,3-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
1,4-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
2,2-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
2-Chlorotoluene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
4-Chlorotoluene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
4-Isopropyltoluene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Benzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Bromobenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Bromochloromethane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Bromodichloromethane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Bromoform	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Bromomethane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Carbon tetrachloride	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Chlorobenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Chloroethane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Chloroform	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Chloromethane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
cis-1,2-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6H0403-05
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:10

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		08/23/16 1910	08/23/16 1910
Dibromomethane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Dichlorodifluoromethane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Ethylbenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Hexachlorobutadiene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Isopropylbenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L		08/23/16 1910	08/23/16 1910
Methylene chloride	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Naphthalene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
n-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
n-Propylbenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
sec-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Styrene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
tert-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Tetrachloroethene (PCE)	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Toluene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
trans-1,2-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Trichloroethene (TCE)	0.72		0.50	ug/L		08/23/16 1910	08/23/16 1910
Trichlorofluoromethane	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Vinyl chloride	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Xylenes (total)	<0.50		0.50	ug/L		08/23/16 1910	08/23/16 1910
Total Trihalomethanes	1.4		0.50	ug/L		08/23/16 1910	08/23/16 1910
Surrogate: 1,2-Dichlorobenzene-d4	94		Limit: 70-130	% Rec		08/23/16 1910	08/23/16 1910
Surrogate: Bromofluorobenzene	86		Limit: 70-130	% Rec		08/23/16 1910	08/23/16 1910



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6H0403-06
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:15



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6H0403-06
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:15

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		08/23/16 1933	08/23/16 1933
1,1,1-Trichloroethane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,1,2-Trichloroethane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,1-Dichloroethane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,1-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,1-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,2,3-Trichloropropane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,2,3-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,2-Dibromo-3-chloropropane (DBCP)	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,2-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,2-Dichloroethane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,2-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,3-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,3-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
1,4-Dichlorobenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
2,2-Dichloropropane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
2-Chlorotoluene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
4-Chlorotoluene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
4-Isopropyltoluene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Benzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Bromobenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Bromochloromethane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Bromodichloromethane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Bromoform	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Bromomethane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Carbon tetrachloride	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Chlorobenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Chloroethane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Chloroform	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Chloromethane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
cis-1,2-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6H0403-06
Sample Type: Grab

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:15

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		08/23/16 1933	08/23/16 1933
Dibromomethane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Dichlorodifluoromethane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Ethylbenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Hexachlorobutadiene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Isopropylbenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L		08/23/16 1933	08/23/16 1933
Methylene chloride	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Naphthalene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
n-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
n-Propylbenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
sec-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Styrene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
tert-Butylbenzene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Tetrachloroethene (PCE)	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Toluene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
trans-1,2-Dichloroethene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Trichloroethene (TCE)	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Trichlorofluoromethane	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Vinyl chloride	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Xylenes (total)	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Total Trihalomethanes	<0.50		0.50	ug/L		08/23/16 1933	08/23/16 1933
Surrogate: 1,2-Dichlorobenzene-d4	99		Limit: 70-130	% Rec		08/23/16 1933	08/23/16 1933
Surrogate: Bromofluorobenzene	88		Limit: 70-130	% Rec		08/23/16 1933	08/23/16 1933



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6H0403-07
Sample Type: Trip Blank

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:10



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6H0403-07
Sample Type: Trip Blank

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:10

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

Method: 524.2

1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,1,1-Trichloroethane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,1,2-Trichloroethane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,1-Dichloroethane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,1-Dichloroethene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,1-Dichloropropene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,2,3-Trichloropropane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,2,3-Trimethylbenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,2-Dibromo-3-chloropropane (DBCP)	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,2-Dichlorobenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,2-Dichloroethane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,2-Dichloropropane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,3-Dichlorobenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,3-Dichloropropane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
1,4-Dichlorobenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
2,2-Dichloropropane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
2-Chlorotoluene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
4-Chlorotoluene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
4-Isopropyltoluene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Benzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Bromobenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Bromochloromethane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Bromodichloromethane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Bromoform	1.2		0.50	ug/L		08/24/16 1125	08/24/16 1125
Bromomethane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Carbon tetrachloride	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Chlorobenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Chloroethane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Chloroform	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Chloromethane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
cis-1,2-Dichloroethene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
cis-1,3-Dichloropropene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6H0403-07
Sample Type: Trip Blank

Collected By: DJB-Lab
Collection Date: 08/16/16
Collection Time: 11:10

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		08/24/16 1125	08/24/16 1125
Dibromomethane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Dichlorodifluoromethane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Ethylbenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Hexachlorobutadiene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Isopropylbenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L		08/24/16 1125	08/24/16 1125
Methylene chloride	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Naphthalene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
n-Butylbenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
n-Propylbenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
sec-Butylbenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Styrene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
tert-Butylbenzene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Tetrachloroethene (PCE)	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Toluene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
trans-1,2-Dichloroethene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
trans-1,3-Dichloropropene	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Trichloroethene (TCE)	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Trichlorofluoromethane	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Vinyl chloride	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Xylenes (total)	<0.50		0.50	ug/L		08/24/16 1125	08/24/16 1125
Total Trihalomethanes	1.2		0.50	ug/L		08/24/16 1125	08/24/16 1125
Surrogate: 1,2-Dichlorobenzene-d4	95		Limit: 70-130	% Rec		08/24/16 1125	08/24/16 1125
Surrogate: Bromofluorobenzene	85		Limit: 70-130	% Rec		08/24/16 1125	08/24/16 1125

Laboratory

SAY: Microbac Laboratories, Inc., Sayre Division

Definitions

MCL: Maximum Contaminant Level
PQL: Practical Quantitation Limit

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 3.4°C



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6H0403

Cooler Inspection Checklist

Custody Seals Intact and/or No Evidence of Tampering	Yes	Containers Intact	Yes
COC/Labels Agree	Yes	Preservation Correct (or not required)	Yes
Received on Ice (or not required)	Yes		

Project Requested Certification(s)

Microbac Laboratories, Inc., Sayre Division

NY Lab ID No.: 11216

New York State Department of Health

Microbac Laboratories, Inc. Dayville (NY 11549)

NY Lab ID No: 11549

New York State Department of Health

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

Reviewed and Approved By:

Michael Fifield
Division Manager
08/29/2016 21:26

Go Green: Contact Michael Fifield 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 Michael Fifield, Project Manager at michael.fifield@microbac.com. You may also contact Michael Fifield, Managing Director at michael.fifield@microbac.com or Robert Crookston, President at robert.crookston@microbac.com.



Microbac Laboratories, Inc., New York Division
Chain of Custody
J6H0403

Client: Town of Vestal

Project: Monthly

Project Number: Town of Vestal Monthly/Quarterly

Field Route ID: NY-Route 1 Bing

Tentatively Scheduled: 8/9/2016

Report To:

Bill Peltz
701 Vestal Parkway West
Vestal, NY 13850-1363
Phone: (607) 748-1514

Invoice To:

Darlene Skiba
701 Vestal Parkway West
Vestal, NY 13850-1363
Phone: (607) 748-1514

TAT 7 days**Sample ID: 1-2A Raw**

Lab Sample ID: J6H0403-01
Matrix: Drinking Water
Type: Grab

Sampled Date & Time: 8-16-16/1128

PWSID:	_____	Point Type:	_____	Compliance Start:	_____
Sampling Point:	_____	Frequency	_____	Compliance End:	_____
Point No:	_____	Num/Frequency	_____	Sample Location:	_____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14
Total Containers:			2

Sample ID: 1-2A Finished

Lab Sample ID: J6H0403-02
Matrix: Drinking Water
Type: Grab

Sampled Date & Time: 8-16-16/1136

PWSID:	_____	Point Type:	_____	Compliance Start:	_____
Sampling Point:	_____	Frequency	_____	Compliance End:	_____
Point No:	_____	Num/Frequency	_____	Sample Location:	_____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14
Total Containers:			2

Sample ID: 1-3 Raw

Lab Sample ID: J6H0403-03
Matrix: Drinking Water
Type: Grab

Sampled Date & Time: 8-16-16/1144

PWSID:	_____	Point Type:	_____	Compliance Start:	_____
Sampling Point:	_____	Frequency	_____	Compliance End:	_____
Point No:	_____	Num/Frequency	_____	Sample Location:	_____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1		14



Microbac Laboratories, Inc., New York Division
Chain of Custody
J6H0403

Client: Town of Vestal

Project: Monthly

Project Number: Town of Vestal Monthly/Quarterly

Field Route ID: NY-Route 1 Bing

Tenatively Scheduled: 8/9/2016

524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14
		V-40ml Clear vial, HCL	
Total Containers:			2

Sample ID: 1-3 Finished

Lab Sample ID: J6H0403-04
Matrix: Drinking Water
Type: Grab

Sampled Date & Time: 8-16-16/1148

PWSID: _____ Point Type: _____ Compliance Start: _____
Sampling Point: _____ Frequency: _____ Compliance End: _____
Point No: _____ Num/Frequency: _____ Sample Location: _____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14
Total Containers:			2

Sample ID: 4-2 Raw

Lab Sample ID: J6H0403-05
Matrix: Drinking Water
Type: Grab

Sampled Date & Time: 8-16-16/1110

PWSID: _____ Point Type: _____ Compliance Start: _____
Sampling Point: _____ Frequency: _____ Compliance End: _____
Point No: _____ Num/Frequency: _____ Sample Location: _____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14
Total Containers:			2

Sample ID: 4-2 Finished

Lab Sample ID: J6H0403-06
Matrix: Drinking Water
Type: Grab

Sampled Date & Time: 8-16-16/1115

PWSID: _____ Point Type: _____ Compliance Start: _____
Sampling Point: _____ Frequency: _____ Compliance End: _____
Point No: _____ Num/Frequency: _____ Sample Location: _____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14



Microbac Laboratories, Inc., New York Division
Chain of Custody
J6H0403

Client: Town of Vestal

Project: Monthly

Project Number: Town of Vestal Monthly/Quarterly

Field Route ID: NY-Route 1 Bing

Tenatively Scheduled: 8/9/2016

524.2 VOC NY

EPA 524.2, Rv 4.1

V-40ml Clear vial, HCL

14

Total Containers: 2

Sample ID: Trip Blank

Lab Sample ID: J6H0403-07

Matrix: Drinking Water

Type: Trip Blank

Sampled Date & Time: 8-16-16 / 1110

PWSID: _____	Point Type: _____	Compliance Start: _____
Sampling Point: _____	Frequency: _____	Compliance End: _____
Point No: _____	Num/Frequency: _____	Sample Location: _____

Analysis	Method	Container	Hold

524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14

524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14

Total Containers: 1

Sampled by: <i>[Signature]</i>	Date/Time: 8-16-16/1300	Received by: <i>[Signature]</i>
Printed Name: Bethany Robinson <i>[Signature]</i>		Printed Name: JOSEPH PALANZA
Relinquished by: <i>[Signature]</i>	Date/Time: 8/16/16 1540	Received by: <i>[Signature]</i>
Printed Name: JOSEPH PALANZA		Printed Name: <i>[Signature]</i>
Relinquished by: <i>[Signature]</i>	Date/Time: 8/16/16 1540	Received by: <i>[Signature]</i>
Printed Name: <i>[Signature]</i>		Printed Name: Amy Volmar

As Recieved at Laboratory:

On Ice: Yes / No

Temp 3.4 °C

Total Bottles 13

Notes:

Added via by BNR 08/04/2016 18:39



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

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: 09/13/2016
Reported: 09/19/2016

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J6I0186-01

Collected By: DJB-Lab
Collection Date: 09/06/2016 10:11

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds
in water, Capillary Column, GC/MS

Result Limit(s) RL Units Note Prepared Analyzed

Method: 524.2

1,1,1,2-Tetrachloroethane	<0.50	0.50	ug/L		09/12/16	1357
1,1,1-Trichloroethane	<0.50	0.50	ug/L		09/12/16	1357
1,1,2,2-Tetrachloroethane	<0.50	0.50	ug/L		09/12/16	1357
1,1,2-Trichloroethane	<0.50	0.50	ug/L		09/12/16	1357
1,1-Dichloroethane	<0.50	0.50	ug/L		09/12/16	1357
1,1-Dichloroethene	<0.50	0.50	ug/L		09/12/16	1357
1,1-Dichloropropene	<0.50	0.50	ug/L		09/12/16	1357
1,2,3-Trichlorobenzene	<0.50	0.50	ug/L		09/12/16	1357
1,2,3-Trichloropropane	<0.50	0.50	ug/L		09/12/16	1357
1,2,3-Trimethylbenzene	<0.50	0.50	ug/L		09/12/16	1357
1,2,4-Trichlorobenzene	<0.50	0.50	ug/L		09/12/16	1357
1,2,4-Trimethylbenzene	<0.50	0.50	ug/L		09/12/16	1357
1,2-Dibromo-3-chloropropane (DBCP)	<0.50	0.50	ug/L		09/12/16	1357
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L		09/12/16	1357
1,2-Dichlorobenzene	<0.50	0.50	ug/L		09/12/16	1357
1,2-Dichloroethane	<0.50	0.50	ug/L		09/12/16	1357
1,2-Dichloropropane	<0.50	0.50	ug/L		09/12/16	1357
1,3,5-Trimethylbenzene	<0.50	0.50	ug/L		09/12/16	1357
1,3-Dichlorobenzene	<0.50	0.50	ug/L		09/12/16	1357
1,3-Dichloropropane	<0.50	0.50	ug/L		09/12/16	1357
1,4-Dichlorobenzene	<0.50	0.50	ug/L		09/12/16	1357
2,2-Dichloropropane	<0.50	0.50	ug/L		09/12/16	1357
2-Chlorotoluene	<0.50	0.50	ug/L		09/12/16	1357
4-Chlorotoluene	<0.50	0.50	ug/L		09/12/16	1357
4-Isopropyltoluene	<0.50	0.50	ug/L		09/12/16	1357
Benzene	<0.50	0.50	ug/L		09/12/16	1357
Bromobenzene	<0.50	0.50	ug/L		09/12/16	1357
Bromochloromethane	<0.50	0.50	ug/L		09/12/16	1357
Bromodichloromethane	<0.50	0.50	ug/L		09/12/16	1357
Bromoform	<0.50	0.50	ug/L		09/12/16	1357
Bromomethane	<0.50	0.50	ug/L		09/12/16	1357
Carbon tetrachloride	<0.50	0.50	ug/L		09/12/16	1357
Chlorobenzene	<0.50	0.50	ug/L		09/12/16	1357
Chloroethane	<0.50	0.50	ug/L		09/12/16	1357
Chloroform	<0.50	0.50	ug/L		09/12/16	1357

Microbac Laboratories, Inc.

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J6I0186-01

Collected By: DJB-Lab
Collection Date: 09/06/2016 10:11

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed
Chloromethane	<0.50		0.50	ug/L			09/12/16 1357
cis-1,2-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1357
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1357
Dibromochloromethane	<0.50		0.50	ug/L			09/12/16 1357
Dibromomethane	<0.50		0.50	ug/L			09/12/16 1357
Dichlorodifluoromethane	<0.50		0.50	ug/L			09/12/16 1357
Ethylbenzene	<0.50		0.50	ug/L			09/12/16 1357
Hexachlorobutadiene	<0.50		0.50	ug/L			09/12/16 1357
Isopropylbenzene	<0.50		0.50	ug/L			09/12/16 1357
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L			09/12/16 1357
Methylene chloride	<0.50		0.50	ug/L			09/12/16 1357
Naphthalene	<0.50		0.50	ug/L			09/12/16 1357
n-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1357
n-Propylbenzene	<0.50		0.50	ug/L			09/12/16 1357
sec-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1357
Styrene	<0.50		0.50	ug/L			09/12/16 1357
tert-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1357
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			09/12/16 1357
Toluene	<0.50		0.50	ug/L			09/12/16 1357
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1357
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1357
Trichloroethene (TCE)	<0.50		0.50	ug/L			09/12/16 1357
Trichlorofluoromethane	<0.50		0.50	ug/L			09/12/16 1357
Vinyl chloride	<0.50		0.50	ug/L			09/12/16 1357
Xylenes (total)	<0.50		0.50	ug/L			09/12/16 1357
Total Trihalomethanes	<0.50		0.50	ug/L			09/12/16 1357
Surrogate: 1,2-Dichlorobenzene-d4	96	Limit: 70-130		% Rec			09/12/16 1357
Surrogate: Bromofluorobenzene	95	Limit: 70-130		% Rec			09/12/16 1357



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6I0186-02

Collected By: DJB-Lab
Collection Date: 09/06/2016 10:18



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6I0186-02

Collected By: DJB-Lab
Collection Date: 09/06/2016 10:18

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds
in water, Capillary Column, GC/MS

	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed
Method: 524.2							
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			09/12/16 1420
1,1,1-Trichloroethane	<0.50		0.50	ug/L			09/12/16 1420
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			09/12/16 1420
1,1,2-Trichloroethane	<0.50		0.50	ug/L			09/12/16 1420
1,1-Dichloroethane	<0.50		0.50	ug/L			09/12/16 1420
1,1-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1420
1,1-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1420
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			09/12/16 1420
1,2,3-Trichloropropane	<0.50		0.50	ug/L			09/12/16 1420
1,2,3-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1420
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			09/12/16 1420
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1420
1,2-Dibromo-3-chloropropane (DBCP)	<0.50		0.50	ug/L			09/12/16 1420
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L			09/12/16 1420
1,2-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1420
1,2-Dichloroethane	<0.50		0.50	ug/L			09/12/16 1420
1,2-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1420
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1420
1,3-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1420
1,3-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1420
1,4-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1420
2,2-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1420
2-Chlorotoluene	<0.50		0.50	ug/L			09/12/16 1420
4-Chlorotoluene	<0.50		0.50	ug/L			09/12/16 1420
4-Isopropyltoluene	<0.50		0.50	ug/L			09/12/16 1420
Benzene	<0.50		0.50	ug/L			09/12/16 1420
Bromobenzene	<0.50		0.50	ug/L			09/12/16 1420
Bromochloromethane	<0.50		0.50	ug/L			09/12/16 1420
Bromodichloromethane	<0.50		0.50	ug/L			09/12/16 1420
Bromoform	<0.50		0.50	ug/L			09/12/16 1420
Bromomethane	<0.50		0.50	ug/L			09/12/16 1420
Carbon tetrachloride	<0.50		0.50	ug/L			09/12/16 1420
Chlorobenzene	<0.50		0.50	ug/L			09/12/16 1420
Chloroethane	<0.50		0.50	ug/L			09/12/16 1420
Chloroform	<0.50		0.50	ug/L			09/12/16 1420
Chloromethane	<0.50		0.50	ug/L			09/12/16 1420
cis-1,2-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1420
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1420
Dibromochloromethane	<0.50		0.50	ug/L			09/12/16 1420
Dibromomethane	<0.50		0.50	ug/L			09/12/16 1420
Dichlorodifluoromethane	<0.50		0.50	ug/L			09/12/16 1420

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6I0186-02

Collected By: DJB-Lab
Collection Date: 09/06/2016 10:18

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed
Ethylbenzene	<0.50		0.50	ug/L			09/12/16 1420
Hexachlorobutadiene	<0.50		0.50	ug/L			09/12/16 1420
Isopropylbenzene	<0.50		0.50	ug/L			09/12/16 1420
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L			09/12/16 1420
Methylene chloride	<0.50		0.50	ug/L			09/12/16 1420
Naphthalene	<0.50		0.50	ug/L			09/12/16 1420
n-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1420
n-Propylbenzene	<0.50		0.50	ug/L			09/12/16 1420
sec-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1420
Styrene	<0.50		0.50	ug/L			09/12/16 1420
tert-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1420
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			09/12/16 1420
Toluene	<0.50		0.50	ug/L			09/12/16 1420
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1420
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1420
Trichloroethene (TCE)	<0.50		0.50	ug/L			09/12/16 1420
Trichlorofluoromethane	<0.50		0.50	ug/L			09/12/16 1420
Vinyl chloride	<0.50		0.50	ug/L			09/12/16 1420
Xylenes (total)	<0.50		0.50	ug/L			09/12/16 1420
Total Trihalomethanes	<0.50		0.50	ug/L			09/12/16 1420
Surrogate: 1,2-Dichlorobenzene-d4	96		Limit: 70-130	% Rec			09/12/16 1420
Surrogate: Bromofluorobenzene	95		Limit: 70-130	% Rec			09/12/16 1420



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6I0186-03

Collected By: DJB-Lab
Collection Date: 09/06/2016 10:30



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6I0186-03

Collected By: DJB-Lab
Collection Date: 09/06/2016 10:30

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds
in water, Capillary Column, GC/MS

	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed
Method: 524.2							
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			09/12/16 1443
1,1,1-Trichloroethane	<0.50		0.50	ug/L			09/12/16 1443
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			09/12/16 1443
1,1,2-Trichloroethane	<0.50		0.50	ug/L			09/12/16 1443
1,1-Dichloroethane	<0.50		0.50	ug/L			09/12/16 1443
1,1-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1443
1,1-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1443
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			09/12/16 1443
1,2,3-Trichloropropane	<0.50		0.50	ug/L			09/12/16 1443
1,2,3-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1443
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			09/12/16 1443
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1443
1,2-Dibromo-3-chloropropane (DBCP)	<0.50		0.50	ug/L			09/12/16 1443
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L			09/12/16 1443
1,2-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1443
1,2-Dichloroethane	<0.50		0.50	ug/L			09/12/16 1443
1,2-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1443
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1443
1,3-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1443
1,3-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1443
1,4-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1443
2,2-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1443
2-Chlorotoluene	<0.50		0.50	ug/L			09/12/16 1443
4-Chlorotoluene	<0.50		0.50	ug/L			09/12/16 1443
4-Isopropyltoluene	<0.50		0.50	ug/L			09/12/16 1443
Benzene	<0.50		0.50	ug/L			09/12/16 1443
Bromobenzene	<0.50		0.50	ug/L			09/12/16 1443
Bromochloromethane	<0.50		0.50	ug/L			09/12/16 1443
Bromodichloromethane	<0.50		0.50	ug/L			09/12/16 1443
Bromoform	<0.50		0.50	ug/L			09/12/16 1443
Bromomethane	<0.50		0.50	ug/L			09/12/16 1443
Carbon tetrachloride	<0.50		0.50	ug/L			09/12/16 1443
Chlorobenzene	<0.50		0.50	ug/L			09/12/16 1443
Chloroethane	<0.50		0.50	ug/L			09/12/16 1443
Chloroform	<0.50		0.50	ug/L			09/12/16 1443
Chloromethane	<0.50		0.50	ug/L			09/12/16 1443
cis-1,2-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1443
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1443
Dibromochloromethane	<0.50		0.50	ug/L			09/12/16 1443
Dibromomethane	<0.50		0.50	ug/L			09/12/16 1443
Dichlorodifluoromethane	<0.50		0.50	ug/L			09/12/16 1443

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6I0186-03

Collected By: DJB-Lab
Collection Date: 09/06/2016 10:30

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed
Ethylbenzene	<0.50		0.50	ug/L			09/12/16 1443
Hexachlorobutadiene	<0.50		0.50	ug/L			09/12/16 1443
Isopropylbenzene	<0.50		0.50	ug/L			09/12/16 1443
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L			09/12/16 1443
Methylene chloride	<0.50		0.50	ug/L			09/12/16 1443
Naphthalene	<0.50		0.50	ug/L			09/12/16 1443
n-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1443
n-Propylbenzene	<0.50		0.50	ug/L			09/12/16 1443
sec-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1443
Styrene	<0.50		0.50	ug/L			09/12/16 1443
tert-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1443
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			09/12/16 1443
Toluene	<0.50		0.50	ug/L			09/12/16 1443
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1443
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1443
Trichloroethene (TCE)	<0.50		0.50	ug/L			09/12/16 1443
Trichlorofluoromethane	<0.50		0.50	ug/L			09/12/16 1443
Vinyl chloride	<0.50		0.50	ug/L			09/12/16 1443
Xylenes (total)	<0.50		0.50	ug/L			09/12/16 1443
Total Trihalomethanes	<0.50		0.50	ug/L			09/12/16 1443
Surrogate: 1,2-Dichlorobenzene-d4	97	Limit: 70-130		% Rec			09/12/16 1443
Surrogate: Bromofluorobenzene	95	Limit: 70-130		% Rec			09/12/16 1443



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6I0186-04

Collected By: DJB-Lab
Collection Date: 09/06/2016 10:34



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6I0186-04

Collected By: DJB-Lab
Collection Date: 09/06/2016 10:34

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds
in water, Capillary Column, GC/MS

	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed
Method: 524.2							
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			09/12/16 1507
1,1,1-Trichloroethane	<0.50		0.50	ug/L			09/12/16 1507
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			09/12/16 1507
1,1,2-Trichloroethane	<0.50		0.50	ug/L			09/12/16 1507
1,1-Dichloroethane	<0.50		0.50	ug/L			09/12/16 1507
1,1-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1507
1,1-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1507
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			09/12/16 1507
1,2,3-Trichloropropane	<0.50		0.50	ug/L			09/12/16 1507
1,2,3-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1507
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			09/12/16 1507
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1507
1,2-Dibromo-3-chloropropane (DBCP)	<0.50		0.50	ug/L			09/12/16 1507
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L			09/12/16 1507
1,2-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1507
1,2-Dichloroethane	<0.50		0.50	ug/L			09/12/16 1507
1,2-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1507
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1507
1,3-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1507
1,3-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1507
1,4-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1507
2,2-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1507
2-Chlorotoluene	<0.50		0.50	ug/L			09/12/16 1507
4-Chlorotoluene	<0.50		0.50	ug/L			09/12/16 1507
4-Isopropyltoluene	<0.50		0.50	ug/L			09/12/16 1507
Benzene	<0.50		0.50	ug/L			09/12/16 1507
Bromobenzene	<0.50		0.50	ug/L			09/12/16 1507
Bromochloromethane	<0.50		0.50	ug/L			09/12/16 1507
Bromodichloromethane	<0.50		0.50	ug/L			09/12/16 1507
Bromoform	<0.50		0.50	ug/L			09/12/16 1507
Bromomethane	<0.50		0.50	ug/L			09/12/16 1507
Carbon tetrachloride	<0.50		0.50	ug/L			09/12/16 1507
Chlorobenzene	<0.50		0.50	ug/L			09/12/16 1507
Chloroethane	<0.50		0.50	ug/L			09/12/16 1507
Chloroform	<0.50		0.50	ug/L			09/12/16 1507
Chloromethane	<0.50		0.50	ug/L			09/12/16 1507
cis-1,2-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1507
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1507
Dibromochloromethane	<0.50		0.50	ug/L			09/12/16 1507
Dibromomethane	<0.50		0.50	ug/L			09/12/16 1507
Dichlorodifluoromethane	<0.50		0.50	ug/L			09/12/16 1507

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6I0186-04

Collected By: DJB-Lab
Collection Date: 09/06/2016 10:34

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed
Ethylbenzene	<0.50		0.50	ug/L			09/12/16 1507
Hexachlorobutadiene	<0.50		0.50	ug/L			09/12/16 1507
Isopropylbenzene	<0.50		0.50	ug/L			09/12/16 1507
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L			09/12/16 1507
Methylene chloride	<0.50		0.50	ug/L			09/12/16 1507
Naphthalene	<0.50		0.50	ug/L			09/12/16 1507
n-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1507
n-Propylbenzene	<0.50		0.50	ug/L			09/12/16 1507
sec-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1507
Styrene	<0.50		0.50	ug/L			09/12/16 1507
tert-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1507
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			09/12/16 1507
Toluene	<0.50		0.50	ug/L			09/12/16 1507
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1507
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1507
Trichloroethene (TCE)	<0.50		0.50	ug/L			09/12/16 1507
Trichlorofluoromethane	<0.50		0.50	ug/L			09/12/16 1507
Vinyl chloride	<0.50		0.50	ug/L			09/12/16 1507
Xylenes (total)	<0.50		0.50	ug/L			09/12/16 1507
Total Trihalomethanes	<0.50		0.50	ug/L			09/12/16 1507
Surrogate: 1,2-Dichlorobenzene-d4	95	Limit: 70-130		% Rec			09/12/16 1507
Surrogate: Bromofluorobenzene	93	Limit: 70-130		% Rec			09/12/16 1507



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6I0186-05

Collected By: DJB-Lab
Collection Date: 09/06/2016 9:22



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6I0186-05

Collected By: DJB-Lab
Collection Date: 09/06/2016 9:22

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds
in water, Capillary Column, GC/MS

	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed
Method: 524.2							
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			09/12/16 1530
1,1,1-Trichloroethane	0.59		0.50	ug/L			09/12/16 1530
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			09/12/16 1530
1,1,2-Trichloroethane	<0.50		0.50	ug/L			09/12/16 1530
1,1-Dichloroethane	<0.50		0.50	ug/L			09/12/16 1530
1,1-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1530
1,1-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1530
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			09/12/16 1530
1,2,3-Trichloropropane	<0.50		0.50	ug/L			09/12/16 1530
1,2,3-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1530
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			09/12/16 1530
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1530
1,2-Dibromo-3-chloropropane (DBCP)	<0.50		0.50	ug/L			09/12/16 1530
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L			09/12/16 1530
1,2-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1530
1,2-Dichloroethane	<0.50		0.50	ug/L			09/12/16 1530
1,2-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1530
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1530
1,3-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1530
1,3-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1530
1,4-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1530
2,2-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1530
2-Chlorotoluene	<0.50		0.50	ug/L			09/12/16 1530
4-Chlorotoluene	<0.50		0.50	ug/L			09/12/16 1530
4-Isopropyltoluene	<0.50		0.50	ug/L			09/12/16 1530
Benzene	<0.50		0.50	ug/L			09/12/16 1530
Bromobenzene	<0.50		0.50	ug/L			09/12/16 1530
Bromochloromethane	<0.50		0.50	ug/L			09/12/16 1530
Bromodichloromethane	<0.50		0.50	ug/L			09/12/16 1530
Bromoform	<0.50		0.50	ug/L			09/12/16 1530
Bromomethane	<0.50		0.50	ug/L			09/12/16 1530
Carbon tetrachloride	<0.50		0.50	ug/L			09/12/16 1530
Chlorobenzene	<0.50		0.50	ug/L			09/12/16 1530
Chloroethane	<0.50		0.50	ug/L			09/12/16 1530
Chloroform	<0.50		0.50	ug/L			09/12/16 1530
Chloromethane	<0.50		0.50	ug/L			09/12/16 1530
cis-1,2-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1530
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1530
Dibromochloromethane	<0.50		0.50	ug/L			09/12/16 1530
Dibromomethane	<0.50		0.50	ug/L			09/12/16 1530
Dichlorodifluoromethane	<0.50		0.50	ug/L			09/12/16 1530

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6I0186-05

Collected By: DJB-Lab
Collection Date: 09/06/2016 9:22

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed
Ethylbenzene	<0.50		0.50	ug/L			09/12/16 1530
Hexachlorobutadiene	<0.50		0.50	ug/L			09/12/16 1530
Isopropylbenzene	<0.50		0.50	ug/L			09/12/16 1530
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L			09/12/16 1530
Methylene chloride	<0.50		0.50	ug/L			09/12/16 1530
Naphthalene	<0.50		0.50	ug/L			09/12/16 1530
n-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1530
n-Propylbenzene	<0.50		0.50	ug/L			09/12/16 1530
sec-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1530
Styrene	<0.50		0.50	ug/L			09/12/16 1530
tert-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1530
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			09/12/16 1530
Toluene	<0.50		0.50	ug/L			09/12/16 1530
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1530
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1530
Trichloroethene (TCE)	1.2		0.50	ug/L			09/12/16 1530
Trichlorofluoromethane	<0.50		0.50	ug/L			09/12/16 1530
Vinyl chloride	<0.50		0.50	ug/L			09/12/16 1530
Xylenes (total)	<0.50		0.50	ug/L			09/12/16 1530
Total Trihalomethanes	<0.50		0.50	ug/L			09/12/16 1530
Surrogate: 1,2-Dichlorobenzene-d4	96		Limit: 70-130	% Rec			09/12/16 1530
Surrogate: Bromofluorobenzene	94		Limit: 70-130	% Rec			09/12/16 1530



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6I0186-06

Collected By: DJB-Lab
Collection Date: 09/06/2016 9:32



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6I0186-06

Collected By: DJB-Lab
Collection Date: 09/06/2016 9:32

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds
in water, Capillary Column, GC/MS

	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed
Method: 524.2							
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			09/12/16 1553
1,1,1-Trichloroethane	<0.50		0.50	ug/L			09/12/16 1553
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			09/12/16 1553
1,1,2-Trichloroethane	<0.50		0.50	ug/L			09/12/16 1553
1,1-Dichloroethane	<0.50		0.50	ug/L			09/12/16 1553
1,1-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1553
1,1-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1553
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			09/12/16 1553
1,2,3-Trichloropropane	<0.50		0.50	ug/L			09/12/16 1553
1,2,3-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1553
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			09/12/16 1553
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1553
1,2-Dibromo-3-chloropropane (DBCP)	<0.50		0.50	ug/L			09/12/16 1553
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L			09/12/16 1553
1,2-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1553
1,2-Dichloroethane	<0.50		0.50	ug/L			09/12/16 1553
1,2-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1553
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			09/12/16 1553
1,3-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1553
1,3-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1553
1,4-Dichlorobenzene	<0.50		0.50	ug/L			09/12/16 1553
2,2-Dichloropropane	<0.50		0.50	ug/L			09/12/16 1553
2-Chlorotoluene	<0.50		0.50	ug/L			09/12/16 1553
4-Chlorotoluene	<0.50		0.50	ug/L			09/12/16 1553
4-Isopropyltoluene	<0.50		0.50	ug/L			09/12/16 1553
Benzene	<0.50		0.50	ug/L			09/12/16 1553
Bromobenzene	<0.50		0.50	ug/L			09/12/16 1553
Bromochloromethane	<0.50		0.50	ug/L			09/12/16 1553
Bromodichloromethane	<0.50		0.50	ug/L			09/12/16 1553
Bromoform	<0.50		0.50	ug/L			09/12/16 1553
Bromomethane	<0.50		0.50	ug/L			09/12/16 1553
Carbon tetrachloride	<0.50		0.50	ug/L			09/12/16 1553
Chlorobenzene	<0.50		0.50	ug/L			09/12/16 1553
Chloroethane	<0.50		0.50	ug/L			09/12/16 1553
Chloroform	<0.50		0.50	ug/L			09/12/16 1553
Chloromethane	<0.50		0.50	ug/L			09/12/16 1553
cis-1,2-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1553
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1553
Dibromochloromethane	<0.50		0.50	ug/L			09/12/16 1553
Dibromomethane	<0.50		0.50	ug/L			09/12/16 1553
Dichlorodifluoromethane	<0.50		0.50	ug/L			09/12/16 1553

Microbac Laboratories, Inc.



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6I0186-06

Collected By: DJB-Lab
Collection Date: 09/06/2016 9:32

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed
Ethylbenzene	<0.50		0.50	ug/L			09/12/16 1553
Hexachlorobutadiene	<0.50		0.50	ug/L			09/12/16 1553
Isopropylbenzene	<0.50		0.50	ug/L			09/12/16 1553
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L			09/12/16 1553
Methylene chloride	<0.50		0.50	ug/L			09/12/16 1553
Naphthalene	<0.50		0.50	ug/L			09/12/16 1553
n-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1553
n-Propylbenzene	<0.50		0.50	ug/L			09/12/16 1553
sec-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1553
Styrene	<0.50		0.50	ug/L			09/12/16 1553
tert-Butylbenzene	<0.50		0.50	ug/L			09/12/16 1553
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			09/12/16 1553
Toluene	<0.50		0.50	ug/L			09/12/16 1553
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			09/12/16 1553
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			09/12/16 1553
Trichloroethene (TCE)	<0.50		0.50	ug/L			09/12/16 1553
Trichlorofluoromethane	<0.50		0.50	ug/L			09/12/16 1553
Vinyl chloride	<0.50		0.50	ug/L			09/12/16 1553
Xylenes (total)	<0.50		0.50	ug/L			09/12/16 1553
Total Trihalomethanes	<0.50		0.50	ug/L			09/12/16 1553
Surrogate: 1,2-Dichlorobenzene-d4	95	Limit: 70-130		% Rec			09/12/16 1553
Surrogate: Bromofluorobenzene	93	Limit: 70-130		% Rec			09/12/16 1553



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6I0186-07

Collected By: DJB-Lab
Collection Date: 09/06/2016 9:22



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6I0186-07

Collected By: DJB-Lab
Collection Date: 09/06/2016 9:22

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds
in water, Capillary Column, GC/MS

	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed
Method: 524.2							
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			09/16/16 1230
1,1,1-Trichloroethane	<0.50		0.50	ug/L			09/16/16 1230
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			09/16/16 1230
1,1,2-Trichloroethane	<0.50		0.50	ug/L			09/16/16 1230
1,1-Dichloroethane	<0.50		0.50	ug/L			09/16/16 1230
1,1-Dichloroethene	<0.50		0.50	ug/L			09/16/16 1230
1,1-Dichloropropene	<0.50		0.50	ug/L			09/16/16 1230
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			09/16/16 1230
1,2,3-Trichloropropane	<0.50		0.50	ug/L			09/16/16 1230
1,2,3-Trimethylbenzene	<0.50		0.50	ug/L			09/16/16 1230
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			09/16/16 1230
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			09/16/16 1230
1,2-Dibromo-3-chloropropane (DBCP)	<0.50		0.50	ug/L			09/16/16 1230
1,2-Dibromoethane (EDB)	<0.50		0.50	ug/L			09/16/16 1230
1,2-Dichlorobenzene	<0.50		0.50	ug/L			09/16/16 1230
1,2-Dichloroethane	<0.50		0.50	ug/L			09/16/16 1230
1,2-Dichloropropane	<0.50		0.50	ug/L			09/16/16 1230
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			09/16/16 1230
1,3-Dichlorobenzene	<0.50		0.50	ug/L			09/16/16 1230
1,3-Dichloropropane	<0.50		0.50	ug/L			09/16/16 1230
1,4-Dichlorobenzene	<0.50		0.50	ug/L			09/16/16 1230
2,2-Dichloropropane	<0.50		0.50	ug/L			09/16/16 1230
2-Chlorotoluene	<0.50		0.50	ug/L			09/16/16 1230
4-Chlorotoluene	<0.50		0.50	ug/L			09/16/16 1230
4-Isopropyltoluene	<0.50		0.50	ug/L			09/16/16 1230
Benzene	<0.50		0.50	ug/L			09/16/16 1230
Bromobenzene	<0.50		0.50	ug/L			09/16/16 1230
Bromochloromethane	<0.50		0.50	ug/L			09/16/16 1230
Bromodichloromethane	<0.50		0.50	ug/L			09/16/16 1230
Bromoform	<0.50		0.50	ug/L			09/16/16 1230
Bromomethane	<0.50		0.50	ug/L			09/16/16 1230
Carbon tetrachloride	<0.50		0.50	ug/L			09/16/16 1230
Chlorobenzene	<0.50		0.50	ug/L			09/16/16 1230
Chloroethane	<0.50		0.50	ug/L			09/16/16 1230
Chloroform	<0.50		0.50	ug/L			09/16/16 1230
Chloromethane	<0.50		0.50	ug/L			09/16/16 1230
cis-1,2-Dichloroethene	<0.50		0.50	ug/L			09/16/16 1230
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			09/16/16 1230
Dibromochloromethane	<0.50		0.50	ug/L			09/16/16 1230
Dibromomethane	<0.50		0.50	ug/L			09/16/16 1230
Dichlorodifluoromethane	<0.50		0.50	ug/L			09/16/16 1230

Microbac Laboratories, Inc.

3821 Buck Dr. | Cortland, NY 13045 | 607-753-3403 p | www.microbac.com

Page 19 of 24



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6I0186-07

Collected By: DJB-Lab
Collection Date: 09/06/2016 9:22

Analyses Subcontracted to: Microbac Laboratories, Inc. Dayville (NY 11549)

524.2 - Purgeable Organic Compounds in water, Capillary Column, GC/MS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed
Ethylbenzene	<0.50		0.50	ug/L			09/16/16 1230
Hexachlorobutadiene	<0.50		0.50	ug/L			09/16/16 1230
Isopropylbenzene	<0.50		0.50	ug/L			09/16/16 1230
Methyl tert-butyl ether (MTBE)	<1.0		1.0	ug/L			09/16/16 1230
Methylene chloride	<0.50		0.50	ug/L			09/16/16 1230
Naphthalene	<0.50		0.50	ug/L			09/16/16 1230
n-Butylbenzene	<0.50		0.50	ug/L			09/16/16 1230
n-Propylbenzene	<0.50		0.50	ug/L			09/16/16 1230
sec-Butylbenzene	<0.50		0.50	ug/L			09/16/16 1230
Styrene	<0.50		0.50	ug/L			09/16/16 1230
tert-Butylbenzene	<0.50		0.50	ug/L			09/16/16 1230
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			09/16/16 1230
Toluene	<0.50		0.50	ug/L			09/16/16 1230
trans-1,2-Dichloroethene	<0.50		0.50	ug/L			09/16/16 1230
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			09/16/16 1230
Trichloroethene (TCE)	<0.50		0.50	ug/L			09/16/16 1230
Trichlorofluoromethane	<0.50		0.50	ug/L			09/16/16 1230
Vinyl chloride	<0.50		0.50	ug/L			09/16/16 1230
Xylenes (total)	<0.50		0.50	ug/L			09/16/16 1230
Total Trihalomethanes	<0.50		0.50	ug/L			09/16/16 1230
Surrogate: 1,2-Dichlorobenzene-d4	96		Limit: 70-130	% Rec			09/16/16 1230
Surrogate: Bromofluorobenzene	133		Limit: 70-130	% Rec			09/16/16 1230

Laboratory

NY: Microbac Laboratories, Inc., New York Division

Definitions

MCL: Maximum Contaminant Level
RL: Reporting Limit

Project Requested Certification(s)

Microbac Laboratories, Inc., New York Division

NY Lab ID No.: 10795

New York State Department of Health

Microbac Laboratories, Inc. Dayville (NY 11549)

NY Lab ID No: 11549

New York State Department of Health



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6I0186

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

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.

Limits may be provided for reference but as regulatory limits change frequently, Microbac Laboratories, Inc. advises the recipient of this report to confirm such limits and units of concentration with the appropriate Federal, state or local authorities before acting on the data.

Reviewed and Approved By:

A handwritten signature in black ink, appearing to read "Andrew Canale", is written over a light gray rectangular background.

Andrew Canale For Michael Fifield
Division Manager
michael.fifield@microbac.com
09/19/2016 23:10



Microbac Laboratories, Inc., New York Division

Chain of Custody

J6I0186Client: **Town of Vestal**Project: **Monthly**Project Number: **Town of Vestal Monthly/Quarterly**Field Route ID: **NY-Route 1 Bing**Tenatively Scheduled: **9/13/2016**Report To:

Bill Peltz
701 Vestal Parkway West
Vestal, NY 13850-1363
Phone: (607) 748-1514

Invoice To:

Darlene Skiba
701 Vestal Parkway West
Vestal, NY 13850-1363
Phone: (607) 748-1514

TAT 7 days**Sample ID: 1-2A Raw**

Lab Sample ID: **J6I0186-01**
Matrix: Drinking Water
Type: Grab

Sampled Date & Time: 9-6-16/1011

PWSID: _____	Point Type: _____	Compliance Start: _____
Sampling Point: _____	Frequency: _____	Compliance End: _____
Point No: _____	Num/Frequency: _____	Sample Location: _____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14.00 day(s)
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14.00 day(s)
Total Containers:			2

Sample ID: 1-2A Finished

Lab Sample ID: **J6I0186-02**
Matrix: Drinking Water
Type: Grab

Sampled Date & Time: 9-6-16/1018

PWSID: _____	Point Type: _____	Compliance Start: _____
Sampling Point: _____	Frequency: _____	Compliance End: _____
Point No: _____	Num/Frequency: _____	Sample Location: _____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14.00 day(s)
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14.00 day(s)
Total Containers:			2

Sample ID: 1-3 Raw

Lab Sample ID: **J6I0186-03**
Matrix: Drinking Water
Type: Grab

Sampled Date & Time: 9-6-16/1030

PWSID: _____	Point Type: _____	Compliance Start: _____
Sampling Point: _____	Frequency: _____	Compliance End: _____
Point No: _____	Num/Frequency: _____	Sample Location: _____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1		14.00 day(s)



Microbac Laboratories, Inc., New York Division
Chain of Custody
J6I0186

Client: **Town of Vestal**Project: **Monthly**Project Number: **Town of Vestal Monthly/Quarterly**Field Route ID: **NY-Route 1 Bing**Tenatively Scheduled: **9/13/2016**

524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14.00 day(s)
		V-40ml Clear vial, HCL	
Total Containers:			2

Sample ID: 1-3 Finished

Lab Sample ID: **J6I0186-04**
Matrix: **Drinking Water**
Type: **Grab**

Sampled Date & Time: 9-6-16/1034

PWSID: _____	Point Type: _____	Compliance Start: _____
Sampling Point: _____	Frequency: _____	Compliance End: _____
Point No: _____	Num/Frequency: _____	Sample Location: _____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14.00 day(s)
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14.00 day(s)
Total Containers:			2

Sample ID: 4-2 Raw

Lab Sample ID: **J6I0186-05**
Matrix: **Drinking Water**
Type: **Grab**

Sampled Date & Time: 9-6-16/0922

PWSID: _____	Point Type: _____	Compliance Start: _____
Sampling Point: _____	Frequency: _____	Compliance End: _____
Point No: _____	Num/Frequency: _____	Sample Location: _____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14.00 day(s)
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14.00 day(s)
Total Containers:			2

Sample ID: 4-2 Finished

Lab Sample ID: **J6I0186-06**
Matrix: **Drinking Water**
Type: **Grab**

Sampled Date & Time: 9-6-16/0932

PWSID: _____	Point Type: _____	Compliance Start: _____
Sampling Point: _____	Frequency: _____	Compliance End: _____
Point No: _____	Num/Frequency: _____	Sample Location: _____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14.00 day(s)



Microbac Laboratories, Inc., New York Division
Chain of Custody
J6I0186

Client: **Town of Vestal**Project: **Monthly**Field Route ID: **NY-Route 1 Bing**Project Number: **Town of Vestal Monthly/Quarterly**Tenatively Scheduled: **9/13/2016**

524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14.00 day(s)
Total Containers:			2

Sample ID: Trip Blank

Lab Sample ID: **J6I0186-07**
Matrix: **Drinking Water**
Type: **Trip Blank**

Sampled Date & Time: 9-6-16/0927

PWSID: _____	Point Type: _____	Compliance Start: _____
Sampling Point: _____	Frequency: _____	Compliance End: _____
Point No: _____	Num/Frequency: _____	Sample Location: _____

Analysis	Method	Container	Hold
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14.00 day(s)
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14.00 day(s)
Total Containers:			1

Sampled by: <u>[Signature]</u>	Date/Time: _____	Received by: <u>[Signature]</u>
Printed Name: ~~Bethany Robinson~~ <u>Deon B. Echelle</u>	<u>9-6-16 / 1635</u>	Printed Name: <u>Bethany Walker</u>
Relinquished by: _____	Date/Time: _____	Received by: _____
Printed Name: _____	_____	Printed Name: _____
Relinquished by: _____	Date/Time: _____	Received by: _____
Printed Name: _____	_____	Printed Name: _____

As Recieved at Laboratory: On Ice: Yes / No Temp 5.8 °C Total Bottles 13

Microbac Laboratories 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 Microbac of the intent to subcontract and are in programs agreement with this action.

Notes:

Added via Route Sheets by DJB 09/02/2016 15:25

Arcadis CE, Inc.

855 Route 146

Suite 210

Clifton Park

New York 12065

Tel 518 205 7300

Fax 518 250 7301

www.arcadis.com

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, intersecting the horizontal line and each other, creating a geometric pattern in the bottom right corner of the page.

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855 Route 146

Suite 210

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