

New York State Department of Environmental
Conservation

Division of Environmental Remediation

REMEDIAL SYSTEM OPTIMIZATION REPORT – FIRST QUARTER 2016

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

May 2017

A large, solid orange geometric shape, resembling a stylized triangle or a section of a larger triangle, is positioned in the bottom right corner of the page. It is oriented diagonally, with its hypotenuse running from the bottom left towards the top right. A thin white line runs parallel to this hypotenuse, creating a smaller, similar shape within the orange area. A thin horizontal white line also crosses the page, intersecting the orange shape.

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

Vestal Water Supply Site

Site No. 7-04-009A



Andrew R. Vitolins P.G.

Principal Scientist

Prepared for:

New York State Department of Environmental
Conservation

Prepared by:

Arcadis CE, Inc.

855 Route 146

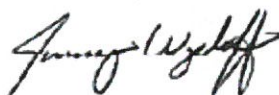
Suite 210

Clifton Park

New York 12065

Tel 518 205 7300

Fax 518 250 7301



Jeremy Wyckoff

Project Geologist

Our Ref.:

00266401.0000.00002

Date:

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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 January 2016 through March 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 March 28, 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 (0.63 ft.) during the March 28, 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 March 28, 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 March 2016 Potentiometric Maps (March 28, 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 west 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 March 2016 Groundwater Sampling

On March 28, 2016 groundwater samples were collected using PDBs that were deployed on March 14, 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) were not sampled during this event. Extraction Well 1-1A was sampled during the baseline event, but since the shutdown of the Well-1A treatment facility a sample is not able to be collected from this well.

2.1.2.1 March 2016 Groundwater Sampling Results

Groundwater results from the March 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 March 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, 4009-13A, 4009-16A, and 4009-30A. Benzene was the only VOC exceeding the NYSDEC Class GA Groundwater Standard in three of the four wells (4009-13A, 4009-16A, 4009-30A) and cis-1,2 DCE and TCE concentrations were the only VOCs detected in monitoring well 4009-9. VOCs were not detected in the shallow groundwater zone monitoring wells 4009-10 and 4009-11A during the March 2016 sampling event. The total VOCs measured at each of the shallow monitoring wells is as follows; 4009-9 (4.74 µg/L), 4009-13A (1.20 µg/L), 4009-16A (4.20 µg/L), and 4009-30A (2.20 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 March sampling event were from well 4009-29I. The VOC concentrations in the intermediate groundwater zone ranged from 1.79 µg/L at monitoring well 4009-27I to the maximum concentration of total VOCs in groundwater sample collected from 4009-29I (2,536 µg/L).

The following nine 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, 4009-21, 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 nine monitoring wells listed above. The total VOCs measured in the remaining two deep monitoring wells is as follows; 4009-29D (53.60 µg/L), and Well 1-1 (419 µg/L).

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

Quarterly groundwater monitoring data indicate that there is little change in the shallow, intermediate, and deep groundwater plume distribution and migration since the shutdown of the Well 1-1A groundwater treatment plant. Changes in the VOC concentration figures are primarily associated with the exclusion of the source area monitoring wells and Well 1-1A since the baseline sampling event, as well as the revised sampling list which concentrates primarily on the plume migration on the north side of NYS Route 17. The concentration fluctuations in monitoring wells 4009-12 and 4009-11 also influences in the plume distribution figures. Historically the concentrations surrounding the ECO international property have been the greatest, consistent with this property being the source area.

Total VOCs detected in the groundwater samples collected in the March 2016 sampling event are generally consistent with the range of results reported during the last two years. Wells 4009-14 and 4009-21 were the only monitoring wells with a relatively higher concentration of total VOCs (18.78 µg/L and 31 µg/L, respectively) than previous results. Benzene was the only VOC that was detected above the standard in both of these monitoring wells.

Concentrations of VOCs in samples from the monitoring wells in the vicinity of the Town of Vestals water supply wells 1-2A and 1-3 are generally consistent with the previous sampling events with the exception of 4009-21 as noted above. The concentration of VOCs in monitoring well 4009-19 was non-detect. Benzene was detected at an estimated concentration less than the NYSDEC Class GA Groundwater Standard in monitoring well 4009-18 (0.41 J µg/L). Monitoring well 4009-30 had an estimated concentration of 1,1-DCA that was less than the standard (0.91 J µg/L). Benzene was detected above the NYSDEC Class GA groundwater standard in 4009-30A (2.2 µg/L). 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. During the March 2016 sampling event, benzene was detected in the following shallow monitoring wells; 4009-13A (1.2 µg/L), 4009-16A (4.2 µg/L), and 4009-30A (2.2 µg/L), in the intermediate groundwater monitoring zone at monitoring well 4009-29I (0.48 J µg/L), and the deep monitoring wells; 4009-11 (18 µg/L), 4009-12 (6.7 µg/L), 4009-13 (3.2 µg/L), 4009-14 (18 µg/L), 4009-15 (9.1 µg/L), 4009-18 (0.41 J µg/L), 4009-21 (31 µg/L), and 4009-22 (1.6 µg/L). Ten of the twelve wells listed above exceeded the NYSDEC Class GA Groundwater Standard of 1.0 µg/L for benzene (Figures 2-9 through 2-12).

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 January 19, 2016, February 16, 2016, and March 22, 2016. Pre-treatment groundwater samples were also collected by Arcadis from the Town of Vestal water supply wells 1-2A and 1-3 on January 27, 2016, February 26, 2016, and March 28, 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 have not been detected in any of the pre-treatment effluent samples collected from the Town of Vestal water supply wells 1-2A and 1-3 during this reporting period. A summary of the monthly analytical data is provided in Table 2-4. Laboratory analytical reporting forms are provided in Appendix A.

3 RECOMMENDATIONS

Town of Vestal Well 1-2A and Well 1-3 should continue to be sampled on a monthly basis to supplement the Town's sampling program at least until the final remedies for OU1 and OU2 are implemented. In addition, quarterly groundwater monitoring should continue at the 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 (June 2016).

TABLES



Table 2-1 Summary of the Groundwater Monitoring Locations
Remedial Site Optimization Report /First 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 (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	7.43	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	**	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	805.46	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	
4009-30A	826.69	**	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-1I	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	810.48	13.72	NP	810.95	13.00	NP	811.67	15.66	NP	809.01	15.81	NP	808.86	
ERT-2I	824.54	*	14.07	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	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-3I	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-4I	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	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:
fbgs - feet below ground surface
famsl - feet above mean sea level
* - Elevation data from Conceptual Site Model (Lockheed Martin, 2012).
** - Elevation data re-measured 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		
		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
4009-2	827.78	19.22	NP	808.56	18.11	NP	809.67	20.64	NP	807.14	18.93	NP	808.85
4009-3	823.47	15.90	NP	807.57	14.87	NP	808.60	18.64	NP	804.83	16.3	NP	807.17
4009-4	822.22	12.22	NP	810.00	10.80	NP	811.42	14.43	NP	807.79	12.03	NP	810.19
4009-5	824.36	17.80	NP	806.56	16.77	NP	807.59	20.69	NP	803.67	18.65	NP	805.71
4009-6	827.73	20.48	NP	807.25	19.23	NP	808.50	22.41	NP	805.32	20.57	NP	807.16
4009-7	824.27	17.74	NP	806.53	16.53	NP	807.74	21.17	NP	803.10	18.35	NP	805.92
4009-8	824.52	18.26	NP	806.26	17.05	NP	807.47	22.03	NP	802.49	18.97	NP	805.55
4009-9	825.05	19.23	NP	805.82	18.02	NP	807.03	22.83	NP	802.22	19.84	NP	805.21
4009-10	831.31	25.48	NP	805.83	24.16	NP	807.15	28.84	NP	802.47	20.95	NP	810.36
4009-11	830.06	24.89	NP	805.17	24.72	NP	805.34	28.80	NP	801.26	26.25	NP	803.81
4009-11A	830.80	14.94	NP	815.86	14.77	NP	816.03	16.97	NP	813.83	16.05	NP	814.75
4009-12	823.34	17.45	NP	805.89	17.34	NP	806.00	21.56	NP	801.78	18.9	NP	804.44
4009-12A	823.80	17.91	NP	805.89	17.79	NP	806.01	22.03	NP	801.77	19.35	NP	804.45
4009-13	816.28	10.37	NP	805.91	10.09	NP	806.19	14.29	NP	801.99	11.68	NP	804.60
4009-13A	816.17	10.09	NP	806.08	9.38	NP	806.79	13.97	NP	802.20	11.12	NP	805.05
4009-14	820.71	14.80	NP	805.91	14.66	NP	806.05	18.73	NP	801.98	16.23	NP	804.48
4009-15	826.54	20.76	NP	805.78	20.85	NP	805.69	24.79	NP	801.75	22.21	NP	804.33
4009-16	826.72	20.93	NP	805.79	26.87	NP	799.85	25.01	NP	801.71	22.38	NP	804.34
4009-16A	826.84	20.94	NP	805.90	27.03	NP	799.81	25.18	NP	801.66	22.51	NP	804.33
4009-17	820.53	14.55	NP	805.98	14.25	NP	806.28	18.50	NP	802.03	15.86	NP	804.67
4009-18	834.78	26.51	NP	808.27	29.02	NP	805.76	33.04	NP	801.74	30.65	NP	804.13
4009-19	824.94	19.15	NP	805.79	19.19	NP	805.75	23.31	NP	801.63	20.99	NP	803.95
4009-20	822.90	17.04	NP	805.86	17.29	NP	805.61	21.29	NP	801.61	18.56	NP	804.34
4009-21	825.02	**	NP	805.69	19.41	NP	805.61	23.98	NP	801.04	22.03	NP	802.99
4009-22	817.40	11.55	NP	805.85	9.90	NP	807.50	13.28	NP	804.12	11.42	NP	805.98
4009-23S	824.48	17.02	NP	807.46	14.17	NP	810.31	19.10	NP	805.38	16.71	NP	807.77
4009-23D	824.39	17.93	NP	806.46	16.90	NP	807.49	19.13	NP	805.26	18.64	NP	805.75
4009-24	822.32	16.19	NP	806.13	13.82	NP	808.50	NM	NM	NM	15.20	NP	807.12
4009-25S	823.61	14.81	NP	808.80	13.73	NP	809.88	16.72	NP	806.89	14.68	NP	808.93
4009-25D	823.57	14.75	NP	808.82	13.65	NP	809.92	16.70	NP	806.87	14.64	NP	808.93
4009-26	824.31	17.94	NP	806.37	16.75	NP	807.56	21.69	NP	802.62	18.68	NP	805.63
4009-27S	826.19	20.27	NP	805.92	19.56	NP	806.63	24.14	NP	802.05	21.30	NP	804.89
4009-27I	826.03	20.03	NP	806.00	19.58	NP	806.45	23.98	NP	802.05	21.23	NP	804.80
4009-27D	825.87	19.86	NP	806.01	19.41	NP	806.46	23.80	NP	802.07	21.05	NP	804.82
4009-28	821.59	15.80	NP	805.79	15.72	NP	805.87	19.85	NP	801.74	17.3	NP	804.29
4009-29S	825.77	19.80	NP	805.97	19.40	NP	806.37	23.83	NP	801.94	21.11	NP	804.66
4009-29I	825.68	19.89	NP	805.79	19.63	NP	806.05	23.91	NP	801.77	21.27	NP	804.41
4009-29D	825.67	19.86	NP	805.81	19.81	NP	805.86	23.89	NP	801.78	21.19	NP	804.48
4009-30	827.50	**	NP	806.18	20.81	NP	806.69	25.81	NP	801.69	22.38	NP	805.12
4009-30A	826.69	**	NP	805.87	20.97	NP	805.72	25.12	NP	801.57	22.41	NP	804.28
WELL 1-1	832.36	26.56	NP	805.80	26.46	NP	805.90	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
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	811.28
ERT-1I	824.03	13.83	NP	810.20	12.46	NP	811.57	15.93	NP	808.10	13.60	NP	810.43
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
ERT-2S	824.67	*	NP	810.17	13.11	NP	811.56	16.46	NP	808.21	14.25	NP	810.42
ERT-2I	824.54	*	NP	810.18	13.08	NP	811.46	16.35	NP	808.19	14.15	NP	810.39
ERT-2D	824.44	*	NP	810.23	12.80	NP	811.64	16.39	NP	808.05	11.78	NP	812.66
ERT-3S	824.38	13.94	NP	810.44	11.21	NP	813.17	15.40	NP	808.98	13.39	NP	810.99
ERT-3I	824.23	14.53	NP	809.70	13.21	NP	811.02	16.57	NP	807.66	14.33	NP	809.90
ERT-3D	824.20	15.01	NP	809.19	13.75	NP	810.45	17.22	NP	806.98	15.13	NP	809.07
ERT-4S	823.54	13.18	NP	810.36	11.81	NP	811.73	Dry	NP	--	NM	NM	NM
ERT-4I	823.49	14.46	NP	809.03	13.31	13.30	810.17	16.38	NP	807.11	NM	NM	NM
ERT-4D	823.63	14.64	NP	808.99	13.51	13.49	810.10	16.57	NP	807.06	NM	NM	NM
ERT-5	824.64	*	NP	810.96	12.45	NP	812.19	15.81	NP	808.83	13.70	NP	810.94
ERT-6	824.74	*	NP	810.35	13.13	NP	811.61	16.64	NP	808.10	14.47	NP	810.27
ERT-7	823.96	15.68	NP	808.28	14.45	NP	809.51	18.00	NP	805.96	15.98	NP	807.98
ERT-8	824.69	16.56	NP	808.13	15.43	NP	809.26	18.96	NP	805.73	16.95	NP	807.74

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

Sample ID	NYSDEC GA	4009-1 2/20/2014	4009-1 5/28/2014	4009-1 8/28/2014	4009-1 12/9/2014	4009-2 2/20/2014	4009-2 5/28/2014	4009-2 8/28/2014	4009-2 12/9/2014	4009-3 2/20/2014	4009-3 5/28/2014	4009-3 8/28/2014	4009-3 12/9/2014	4009-4 2/20/2014	4009-4 5/28/2014	4009-4 8/28/2014	4009-4 12/9/2014	4009-5 2/20/2014	4009-5 5/28/2014	4009-5 8/28/2014
Sampling Date	Standard	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
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 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.6 J	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ
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
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
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
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
1,1-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
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
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
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
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
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
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
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
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
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
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
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-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
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
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
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
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
Bromodichloromethane	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
Bromoform	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
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
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
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
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
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
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
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
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
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
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
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
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
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
Isopropylbenzne (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
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
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
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
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
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
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
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	1.0 UJ	1.0 U	1.0 U	5.0 U	1.0 UJ
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
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
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
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
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
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
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
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

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

Table 2-3 Summary of Groundwater Results
Remedial Site Optimization Report First Quarter 2016
Vestal Water Supply Site
Site Number 7-04-009A

Sample ID Sampling Date Groundwater Monitoring Zone Units	NYSDEC GA Standard ug/L	4009-5 12/9/2014 Intermediate 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	2.5 U	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	2.5 U	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		2.5 U	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	2.5 U	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	1.7 J	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	2.5 U	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		13 U	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	2.5 U	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	2.5 U	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	5.0 U	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-Dibromoethane (Ethylene Dibromide)	5	2.5 U	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	2.5 U	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	2.5 U	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	2.5 U	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	2.5 U	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	2.5 U	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	2.5 U	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	25 U	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*	25 U	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)		25 U	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*	25 U	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	0.62 J	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	2.5 U	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*	2.5 U	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	2.5 U	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		2.5 U	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	2.5 U	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	2.5 U	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	2.5 U	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	2.5 U	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		2.5 U	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	170	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	2.5 U	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		2.5 U	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	2.5 U*	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	2.5 U	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	2.5 U	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	2.5 U	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		25 U	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		2.5 U	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	2.5 U	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	2.5 U	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	2.5 U	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	2.5 U*	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	2.5 U	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	0.69 J	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	2.5 U*	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	14	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	2.5 U	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	31	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		5.0 U	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		218	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)		218	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 4009-29I

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	4009-10 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	4009-11 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	4009-11 7/29/2015 Deep ug/L	4009-11 11/4/2015 Deep ug/L	4009-11 3/28/2016 Deep ug/L	4009-11A 2/20/2014 shallow ug/L
1,1,1-Trichloroethane	5	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	1.9 J	1.0 U	1.0 U	1.0 U	79	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 UJ	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 UJ	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
1,1,2-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 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	0.38 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 UJ	1.0 U	1.0 U	1.0 U	20	0.76 J	1.0 U
1,1-Dichloroethene	5	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 UJ	1.0 U	1.0 U	1.0 U	8.7	1.0 U	1.0 U
1,2,3-Trimethylbenzene		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 UJ	5.0 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 UJ	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
1,2,4-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 UJ	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 UJ	2.0 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 UJ	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
1,2-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 UJ	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 UJ	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
1,2-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 UJ	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 UJ	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 UJ	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
1,4-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 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	10.0 U	10.0 U	10 U	10 U	10 UJ	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
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 UJ	10 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 UJ	10 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
Acetone	50*	10.0 U	3.5 J	10	3.2 J	7.5 J	10 U	9.2 J	10 U	10 U	10 U	7.8 J	4.6 J	10 UJ	10 U	6.7 J	10 U	10 U	4.4 J	9.8 J
Benzene	1	2.5	1.0 U	0.6 J	0.53 J	2.3 J	26	1.0 U	1.8	0.97 J	1.0 U	1.0 U	1.0 U	1.0 UJ	7.8	5.6	8.4	1.0 U	18	1.0 U
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 UJ	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 UJ	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 UJ	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 UJ	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 UJ	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 UJ	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 UJ	1.0 U	1.0 U	1.0 U	1.5	1.5	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 UJ	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 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	21	4.0	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 UJ	1.0 U	1.0 U	1.0 U	12	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 UJ	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 UJ	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 UJ	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 UJ	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 UJ	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 UJ	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 UJ	10 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 UJ	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
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 UJ	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 UJ	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 UJ	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 UJ	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	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 UJ	1.0	1.0	1.0	1.0 U	0.79 J	1.0 U
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 UJ	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 UJ	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.52 J	0.74 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 UJ	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 UJ	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 UJ	1.0 U	1.0 U	1.0 U	19	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 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		24.4	8.24	12.6	3.73	9.80	26.3	9.20	1.80	0.97	0.0	7.80	4.60	1.90	8.80	13.3	9.40	140	25.45	9.80
Total VOCs (w/o Acteone or Methylene Chloride)		24.4	4.74	2.60	0.53	2.30	26.3	0.0	1.80	0.97	0.0	0.0	0.0	1.90	8.80	6.60	9.40	140	21.05	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.
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	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	4009-12 2/20/2014 Deep ug/L	4009-12 5/28/2014 Deep ug/L	4009-12 8/28/2014 Deep ug/L	4009-12 12/9/2014 Deep ug/L	4009-12 4/20/2015 Deep ug/L	4009-12 7/29/2015 Deep ug/L	4009-12 11/4/2015 Deep ug/L	4009-12 3/28/2016 Deep ug/L	DUP_01 ¹ 3/28/2016 Deep ug/L	4009-12A 2/20/2014 Intermediate ug/L	4009-12A 5/28/2014 Intermediate ug/L	4009-12A 8/28/2014 Intermediate ug/L
1,1,1-Trichloroethane	5	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	32	43	1.0 U	290	1.0 U	180	67	1.0 U	1.0 U	34	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	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	22 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
1,1,2-Trichloro-1,2,2-Trifluoroethane		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	1.0	22 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
1,1,2-Trichloroethane	1	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	22 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
1,1-Dichloroethane	5	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0	6.5	1.0 U	29	1.8	25	29	3.1	3.1	4.3	7.8	4.3
1,1-Dichloroethene	5	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.4	6.1	1.0 U	30	1.0 U	20	8.5	1.0 U	1.0 U	3.8	1.3	0.6 J
1,2,3-Trimethylbenzene		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	110 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
1,2,4-Trichlorobenzene	5	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 U	22 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
1,2,4-Trimethylbenzne	5	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	22 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
1,2-Dibromo-3-Chloropropane	0.04	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	44 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
1,2-Dibromoethane (Ethylene Dibromide)	5	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	22 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
1,2-Dichlorobenzene	3	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	22 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
1,2-Dichloroethane	0.6	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 U	22 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
1,2-Dichloropropane	1	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	22 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
1,3,5-Trimethylbenzene (Mesitylene)	5	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	22 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
1,3-Dichlorobenzene	3	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	22 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
1,4-Dichlorobenzene	3	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	22 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
2-Butanone (MEK)	50	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	220 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50*	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	220 U	5.0 U	25 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 UJ	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	220 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	4.1 J	10 J	10 U	7.6 J	10 U	10 U	4.6 J	5.8 J	3.8 J	7.0 J	220 U	7.1 J	50 U	10 U	10 U	10 U	9.9 J	3.9 J	10 U
Benzene	1	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.5	1.6	22 U	2.7	2.9 J	2.4	6.7	6.4	1.0 U	1.0 U	0.57 J
Bromodichloromethane	50	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	22 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
Bromoform	50*	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	22 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
Bromomethane	5	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	22 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
Carbon disulfide		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	22 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
Carbon tetrachloride	5	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	22 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
Chlorobenzene	5	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 U	22 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
Chloroethane	5	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	22 U	1.0 U	5.0 U	0.83 J	1.0 U	1.0 U	1.0 U	7.5	7.0
Chloroform	7	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	22 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
Chloromethane		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	22 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
cis-1,2-Dichloroethene	5	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	13	9.5	8.5	63	4.1	41	18	1.5	1.7	15	18	15
cis-1,3-Dichloropropene	0.4	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 U	22 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
Cyclohexane		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	22 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
Dibromochloromethane	50	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	22 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
Dichlorodifluoromethane	5	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	22 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
Ethylbenzene	5	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	22 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
Isopropylbenzne (Cumene)	5	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 U	22 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
Methyl Acetate		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	220 U	2.5 U	13 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 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	22 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
Methylene Chloride	5	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	22 U	1.0 U	5.0 U	1.0 U	0.50 JB	0.48 J	1.0 U	1.0 U	1.0 U
Methyl Tert Butyl Ether	10	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	22 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
Styrene	5	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 U	22 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
Tetrachloroethene	5	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	22 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
Toluene	5	1.0 U	1.0 UJ	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	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.55 J	0.53 J
trans-1,2-Dichloroethene	5	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	22 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
trans-1,3-Dichloropropene	0.4	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	22 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
Trichloroethene	5	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	17	18	1.0 U	64	1.0 U	39	11	0.77 J	0.83 J	19	2.2	1.0
Trichlorofluoromethane	5	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	22 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
Vinyl chloride	2	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	6.1	3.7	0.9 J	30	2.3	51	41	1.7	1.7	6.4	1.0 U	1.7
Xylenes, Total		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	44 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		4.10	10.0	0.0	7.60	0.0	0.0	4.60	81.3	93.9	18.7	506	18.0	359	178	14.27	14.21	92.4	41.3	30.7
Total VOCs (w/o Acteone or Methylene Chloride)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.5	90.1	11.7	506	10.9	359	178	13.77	13.73	82.5	37.4	30.7

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 Sampling Date Groundwater Monitoring Zone Units	NYSDEC GA Standard ug/L	4009-12A 12/9/2014 Intermediate ug/L	4009-13 2/20/2014 Deep ug/L	4009-13 5/28/2014 Deep ug/L	4009-13 8/28/2014 Deep ug/L	4009-13 12/9/2014 Deep ug/L	4009-13 4/20/2015 Deep ug/L	4009-13 7/29/2015 Deep ug/L	4009-13 11/4/2015 Deep ug/L	4009-13 3/28/2016 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	4009-14 2/20/2014 Deep ug/L	4009-14 5/28/2014 Deep ug/L
1,1,1-Trichloroethane	5	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 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 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 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	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 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 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 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	2.8	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 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	0.53 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 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		5.0 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 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 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 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 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 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	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	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	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 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 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 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 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 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 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 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 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 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 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 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 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 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 U	10 UJ	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*	10 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 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)		10 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 UJ	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	10 U	8.4 J	3.8 J	10 UJ	10 U	8.9 J	10 U	10 U	10 U	8.4 J	10 U	11 J	10 U	6.8 J	10 U	10 U	10 U	6.3 J	4.3 J
Benzene	1	0.31 J	1.0 U	0.42 J	4.8 J	1.0	0.96 J	1.7	3.2	3.2	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
Bromodichloromethane	50	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 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 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 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 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 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 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 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 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 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 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 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	4.1	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 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 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 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 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 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	14	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 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 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 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 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 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 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 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 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 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 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 UJ	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 UJ	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		10 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 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 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 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 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 UJ	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 UJ	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 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 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 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 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	3.7	2.7 J	0.55 J	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	0.91 J
trans-1,2-Dichloroethene	5	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 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 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 UJ	1.0 U*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.30 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 UJ	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 UJ	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	6.5	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 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 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 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		28.5	8.40	7.92	7.50	1.55	9.90	1.70	3.20	3.20	8.40	0.58	11.0	0.96	6.80	0.0	0.44	1.20	6.30	5.21
Total VOCs (w/o Acteone or Methylene Chloride)		28.5	0.0	4.12	7.50	1.55	1.00	1.70	3.20	3.20	0.0	0.58	0.0	0.96	0.0	0.0	0.44	1.20	0.0	0.91

Notes
NYSDEC GA GW Standard - New York State Department of
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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

Sample ID Sampling Date Groundwater Monitoring Zone Units	NYSDEC GA Standard 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	4009-14 3/28/2016 Deep ug/L	4009-15 2/20/2014 Deep ug/L	4009-15 5/28/2014 Deep ug/L	4009-15 8/28/2014 Deep ug/L	4009-15 12/9/2014 Deep ug/L	4009-15 4/20/2015 Deep ug/L	4009-15 7/29/2015 Deep ug/L	4009-15 11/4/2015 Deep ug/L	4009-15 3/28/2016 Deep ug/L	4009-16 2/20/2014 Deep ug/L	4009-16 5/28/2014 Deep ug/L	4009-16 8/28/2014 Deep ug/L	4009-16 12/9/2014 Deep ug/L	4009-16 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 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 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	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
1,1-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	5.0 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	1.0 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	1.0 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	2.0 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	1.0 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	1.0 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	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
2-Hexanone	50*	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	10 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	10 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	10 U	5.0 U
Acetone	50*	11	10 U	7.1 J	10 U	3.1 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	5.9 J	3.5 J	7.1 J	10 U	6.0 J
Benzene	1	1.0 U	0.54 J	1.2	4.0	12	18	1.0 U	1.0 U	0.5 J	0.86 J	1.8	9.1	8.0	9.1	1.0 U	1.0 U	8.2	0.39 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	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	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	10 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	2.5 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	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	1.0	0.92 J	1.0	1.2	1.2	0.78 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	1.0 U	1.5	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		12.0	1.46	9.30	5.20	16.3	18.78	8.02	7.49	8.31	1.58	8.37	10.1	13.74	14.77	5.90	3.50	16.8	0.39	6.00
Total VOCs (w/o Acteone or Methylene Chloride)		1.00	1.46	2.20	5.20	13.2	18.78	0.52	2.39	1.11	1.58	2.57	10.1	8.84	9.67	0.0	0.0	9.70	0.39	0.0

Notes
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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	4009-16 7/29/2015	4009-16 11/4/2015	4009-16 3/28/2016	4009-16A 2/20/2014	4009-16A 5/28/2014	4009-16A 8/28/2014	4009-16A 12/9/2014	4009-16A 4/20/2015	4009-16A 7/29/2015	4009-16A 11/4/2015	4009-16A 3/28/2016	4009-18 5/6/2015	4009-18 7/29/2015	4009-18 11/4/2015	4009-18 3/28/2016	4009-19 4/20/2015	4009-19 7/29/2015	4009-19 11/4/2015	4009-19 3/28/2016
Sampling Date	Standard	Deep ug/L	Deep ug/L	Deep ug/L	Shallow ug/L	Shallow ug/L	Shallow ug/L	Shallow ug/L	Shallow ug/L	Shallow ug/L	Shallow ug/L	Shallow ug/L	Deep ug/L	Deep ug/L	Deep ug/L	Deep ug/L	Deep ug/L	Deep ug/L	Deep ug/L	Deep ug/L
Groundwater Monitoring Zone																				
Units																				
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.86 J	1.0	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 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	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
1,2,4-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	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-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	1.0 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	1.6 J	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	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	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	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 U	10.0 U	10.0 U	12	4.0 J	7.6 J	10 U	6.4 J	10 U	10.0 U	10.0 U	10.0	10.0 U	10.0 U	10.0 U	10.0 U	8.5 J	10.0 U	10.0 U
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.9	7.2	8.0	5.7	11	3.0	4.2	1.0 U	1.0 U	1.0 U	0.41 J	2.7	1.0	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
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	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	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
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	0.58 J	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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
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		0.0	0.0	0.0	13.6	5.90	14.8	8.00	12.1	11.0	3.00	4.20	14.16	1.00	0.0	0.99	11.2	1.00	0.0	0.0
Total VOCs (w/o Acteone or Methylene Chloride)		0.0	0.0	0.0	1.60	1.90	7.20	8.00	5.70	11.0	3.00	4.20	4.16	1.00	0.0	0.41	2.70	1.00	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.
¹- This is a duplicate sample from 4009-12
²- This is a duplicate sample from 4009-29I

Sample ID	NYSDEC GA	4009-21 4/20/2015	4009-21 7/29/2015	4009-21 11/4/2015	4009-21 3/28/2016	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	4009-22 7/29/2015	4009-22 11/4/2015	4009-22 3/28/2016	4009-23S 2/20/2014	4009-23S 5/28/2014	4009-23S 8/28/2014	4009-23S 12/9/2014	4009-23D 2/20/2014	4009-23D 5/28/2014
Sampling Date	Standard	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate
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 UJ	1.0 U	130 D	720
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 UJ	1.0 U	1.0 U	10 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 UJ	1.0 U	24	18
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 UJ	1.0 U	1.0 U	10 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	3.2	4.4	2.5 J	2.2	250 D	420
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 UJ	1.0 U	31	78
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	1.8	0.38 J	0.44 J	5.0 U	10 UD	10 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 UJ	1.0 U	1.0 U	10 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	8.6	2.0	4.2 J	1.0 U	10 UD	10 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	2.0 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
1,2-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 UJ	1.0 U	1.0 U	10 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 UJ	1.0 U	1.0 U	10 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 UJ	1.0 U	0.4 J	10 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 UJ	1.0 U	1.0 U	10 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	4.4	1.2	4.0 J	1.0 U	10 UD	10 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 UJ	1.0 U	1.0 U	10 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 UJ	1.0 U	1.0 U	10 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 UJ	10 U	10 U	100 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	10 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
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	10 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
Acetone	50*	7.9 J	10.0 U	10 U	10 U	3.1 J	12	10 U	11	10 U	6.5 J	10.0 U	10.0 U	10.0 U	6.1 J	10 U	7.2 J	10 U	8.3 J	100 U
Benzene	1	1.0 U	1.0 U	11	31	0.7 J	0.7 J	0.92 J	0.98 J	0.82 J	1.2	1.1	1.2	1.6	1.8	1.8	1.8 J	1.1	1.0 U	10 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 UJ	1.0 U	1.0 U	10 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 UJ	1.0 U	1.0 U	10 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 UJ	1.0 U	1.0 U	10 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 UJ	1.0 U	1.0 U	10 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 UJ	1.0 U	1.0 U	10 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 UJ	1.0 U	1.0 U	10 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	1.2 J	0.64 J	11	11
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 UJ	1.0 U	1.0 U	10 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 UJ	1.0 U	1.0 U	10 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	2.2	2.2	1.9 J	2.9	580 D	450
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 UJ	1.0 U	1.0 U	10 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	0.8 J	0.61 J	0.85 J	1.0 U	1.0 U	10 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 UJ	1.0 U*	1.0 U	10 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 UJ	1.0 U	1.0 U	10 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	0.83 J	1.0 UJ	1.0 U	1.0 U	10 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	5.3	3.6	5.8 J	2.2	1.0 U	10 U
Methyl Acetate		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	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
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	0.7 J	0.5 J	1.0 UJ	1.0 U	0.3 J	10 U
Methylene Chloride	5	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	0.46 J	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 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 UJ	1.0 U	1.0 U	10 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 UJ	1.0 U	1.0 U	10 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 UJ	1.0 U*	1.0 U	10 U
Toluene	5	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	1.1	0.81 J	0.92 J	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	10 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	2.4	2.8	1.8 J	1.8	2.3	10 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 UJ	1.0 U*	1.0 U	10 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	1.6	1.6	1.3 J	1.8	8.7	8.3 J
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 UJ	1.0 U	1.0 U	10 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										

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 Sampling Date Groundwater Monitoring Zone Units	NYSDEC GA Standard ug/L	4009-23D 8/28/2014 Intermediate ug/L	4009-23D 12/9/2014 Intermediate ug/L	4009-24 2/20/2014 Shallow ug/L	4009-24 5/28/2014 Shallow ug/L	4009-24 8/28/2014 Shallow ug/L	4009-24 12/9/2014 Shallow ug/L	4009-25S 2/20/2014 Shallow ug/L	4009-25S 5/28/2014 Shallow 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
1,1,1-Trichloroethane	5	140 DJ	570	1.0 U	1.0 U	1.0 UJ	1.0 U	2600 D	3300	9900 DJ	3800	1900 D	3300	820 DJ	1900	98	370	150 DJ	92	54
1,1,2,2-Tetrachloroethane	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
1,1,2-Trichloro-1,2,2-Trifluoroethane		12 J	8.2	1.0 U	1.0 U	1.0 UJ	1.0 U	31	40 U	40 UDJ	32 J	32	22 J	19 DJ	25 J	7.7	13	6.0 DJ	7.7	2.8
1,1,2-Trichloroethane	1	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
1,1-Dichloroethane	5	220 DJ	280	1.0 U	1.0 U	1.0 UJ	1.0 U	87	140	120 DJ	99	74	120	53 DJ	50	27	39	16 DJ	14	1.9
1,1-Dichloroethene	5	23 J	40	1.0 U	1.0 U	1.0 UJ	1.0 U	110 D	410	650 DJ	280	120 D	330	57 DJ	190	6.0	46	9.9 DJ	7.8	5.7
1,2,3-Trimethylbenzene		1.0 UJ	33 U	1.0 U	1.0 U	1.0 UJ	5.0 U	40 UD	40 U	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
1,2,4-Trichlorobenzene	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
1,2,4-Trimethylbenzne	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	40 UD	40 U	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
1,2-Dibromo-3-Chloropropane	0.04	1.0 UJ	13 U	1.0 U	1.0 U	1.0 UJ	2.0 U	1.0 U	40 U	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
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
1,2-Dichlorobenzene	3	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
1,2-Dichloroethane	0.6	0.39 J	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
1,2-Dichloropropane	1	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
1,3,5-Trimethylbenzene (Mesitylene)	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	40 UD	40 U	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
1,3-Dichlorobenzene	3	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
1,4-Dichlorobenzene	3	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
2-Butanone (MEK)	50	10 UJ	67 U	1.4 J	10 U	10 UJ	10 U	10 U	400 U	400 UDJ	500 U	10 U	200 U	200 UDJ	330 U	10 U	80 U	20 UDJ	20 U	10 U
2-Hexanone	50*	5.0 UJ	67 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	200 U	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
4-Methyl-2-pentanone (MIBK)		5.0 UJ	67 U	5.0 U	5.0 U	5.0 UJ	10 U	5.0 U	200 U	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
Acetone	50*	9.8 J	67 U	9.3 J	4.2 J	10 UJ	10 U	10 U	400 U	400 UDJ	500 U	6.0 J	200 U	200 UDJ	330 U	10	80 U	20 UDJ	20 U	9.9 J
Benzene	1	0.62 J	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Bromodichloromethane	50	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Bromoform	50*	1.0 UJ	6.7 U*	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Bromomethane	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Carbon disulfide		1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Carbon tetrachloride	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Chlorobenzene	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Chloroethane	5	8.2 J	2.8 J	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Chloroform	7	1.0 UJ	6.7 U	1.0 U	1.0 U	0.44 J	0.48 J	1.0 U	40 U	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
Chloromethane		1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
cis-1,2-Dichloroethene	5	460 DJ	330	1.0 U	1.0 U	2.2 J	1.0 U	180 D	210	490 DJ	260	76	110	100 DJ	260	120 D	190	96 DJ	85	18
cis-1,3-Dichloropropene	0.4	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Cyclohexane		1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Dibromochloromethane	50	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Dichlorodifluoromethane	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Ethylbenzene	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Isopropylbenzne (Cumene)	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Methyl Acetate		2.5 UJ	67 U	2.5 U	2.5 U	2.5 UJ	10 U	2.5 U	100 U	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
Methyl Cyclohexane		1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Methylene Chloride	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Methyl Tert Butyl Ether	10	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Styrene	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Tetrachloroethene	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Toluene	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
trans-1,2-Dichloroethene	5	1.3 J	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	2.9	40 U	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
trans-1,3-Dichloropropene	0.4	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Trichloroethene	5	6.1 J	4.9 J	1.0 U	1.0 U	1.0 UJ	1.0 U	32	40 U	2900 DJ	230	16	10 J	21 DJ	100	45	71	47 DJ	49	25
Trichlorofluoromethane	5	1.0 UJ	6.7 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	40 U	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
Vinyl chloride	2	530 DJ	340	1.0 U	1.0 U	1.0 UJ	1.0 U	3.7	40 U	40 UDJ	29 J	1.4	20 U	20 UDJ	32 J	12	21	13 DJ	9.4	1.0 U
Xylenes, Total		2.0 UJ	13 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	80 U	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
Total VOCs		1411	1576	10.7	4.20	2.64	0.48	3047	4060	14060	4730	2227	3892	1070	2557	332	764	344	269	117
Total VOCs (w/o Acteone or Methylene Chloride)		1402	1576	1.40	0.0	2.64	0.48	3047	4060	14060	4730	2221	3892	1070	2557	322	756	344	269	107

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
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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	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	4009-27I 2/20/2014 Intermediate ug/L	4009-27I 5/28/2014 Intermediate ug/L	4009-27I 8/28/2014 Intermediate ug/L	4009-27I 12/9/2014 Intermediate ug/L	4009-27I 4/20/2015 Intermediate ug/L	4009-27I 7/29/2015 Intermediate ug/L	4009-27I 11/4/2015 Intermediate ug/L	4009-27I 3/28/2016 Intermediate ug/L	4009-27D 2/20/2014 Deep ug/L	4009-27D 5/28/2014 Deep ug/L	4009-27D 8/28/2014 Deep ug/L	4009-27D 12/9/2014 Deep ug/L
1,1,1-Trichloroethane	5	61	65 J	49	61	62	61	58	1.0 U	1.0 U	1.3 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
1,1,2,2-Tetrachloroethane	5	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 UJ	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
1,1,2-Trichloro-1,2,2-Trifluoroethane		3.4	2.3 J	2.6	3.3	3.3	3.5	2.9	1.0 U	0.37 J	1.0 UJ	1.0 U	1.0 U	0.31 J	1.0 U	0.39 J	1.0 U	1.0 U	1.0 UJ	1.0 U
1,1,2-Trichloroethane	1	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 UJ	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
1,1-Dichloroethane	5	2.2	2.2 J	1.9 J	2.6	2.7	2.4	2.4	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 UJ	1.0 U
1,1-Dichloroethene	5	8.9	5.6 J	4.6	6.2	10	7.0	4.5	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 UJ	1.0 U
1,2,3-Trimethylbenzene		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	1.0 UJ	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	5.0 U
1,2,4-Trichlorobenzene	5	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	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
1,2,4-Trimethylbenzne	5	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 UJ	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
1,2-Dibromo-3-Chloropropane	0.04	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	1.0 UJ	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	2.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	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 UJ	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
1,2-Dichlorobenzene	3	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 UJ	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
1,2-Dichloroethane	0.6	0.9 J	1.0 UJ	2.0 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 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
1,2-Dichloropropane	1	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 UJ	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
1,3,5-Trimethylbenzene (Mesitylene)	5	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 UJ	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
1,3-Dichlorobenzene	3	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 UJ	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
1,4-Dichlorobenzene	3	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 UJ	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
2-Butanone (MEK)	50	10 U	10 UJ	20 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
2-Hexanone	50*	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	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 UJ	10 U
4-Methyl-2-pentanone (MIBK)		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	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 UJ	10 U
Acetone	50*	3.8 J	8.1 UJ	20 U	8.1 J	10 U	10.0 U	10.0 U	5.8 J	10 U	7.9 J	10 U	9.3 J	10.0 U	10.0 U	10.0 U	9.8 J	4.8 J	8.0 J	10 U
Benzene	1	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	0.71 J	1.0 U	1.0 U	1.0 U	0.61 J	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Bromodichloromethane	50	1.0 U	1.0 UJ	2.0 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 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Bromoform	50*	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 UJ	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
Bromomethane	5	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 UJ	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
Carbon disulfide		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 UJ	0.86 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Carbon tetrachloride	5	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 UJ	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
Chlorobenzene	5	1.0 U	1.0 UJ	2.0 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 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Chloroethane	5	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 UJ	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
Chloroform	7	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 UJ	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
Chloromethane		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 UJ	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
cis-1,2-Dichloroethene	5	20	19 J	19	21	24	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 UJ	1.0 U
cis-1,3-Dichloropropene	0.4	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 UJ	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
Cyclohexane		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 UJ	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
Dibromochloromethane	50	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 UJ	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
Dichlorodifluoromethane	5	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 UJ	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
Ethylbenzene	5	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 UJ	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
Isopropylbenzne (Cumene)	5	1.0 U	1.0 UJ	2.0 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 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Methyl Acetate		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	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 UJ	10 U
Methyl Cyclohexane		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 UJ	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
Methylene Chloride	5	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	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 UJ	1.0 U
Methyl Tert Butyl Ether	10	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 UJ	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
Styrene	5	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 UJ	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
Tetrachloroethene	5	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 UJ	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
Toluene	5	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 UJ	0.77 J	0.87 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
trans-1,2-Dichloroethene	5	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 UJ	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
trans-1,3-Dichloropropene	0.4	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 UJ	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
Trichloroethene	5	28	24 J	22	25	28	25	24	1.4	1.1	1.2 J	0.34 J	1.0 U	1.9	1.0 U	1.4	1.0 U	1.0 U	0.48 J	1.0 U
Trichlorofluoromethane	5	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 UJ	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
Vinyl chloride	2	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 UJ	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
Xylenes, Total		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	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 UJ	2.0 U
Total VOCs		128	126	99.1	127.2	130	120	114	7.20	1.47	11.1	1.97	10.17	2.21	0.61	1.79	9.80	4.80	8.48	0.0
Total VOCs (w/o Acteone or Methylene Chloride)		124	118	99.1	119.1	130	120	114	1.40	1.47	3.21	1.97	0.87	2.21	0.61	1.79	0.0	0.0	0.48	0.0

Notes
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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 Sampling Date Groundwater Monitoring Zone Units	NYSDEC GA Standard ug/L	4009-27D 4/20/2015 Deep ug/L	4009-27D 7/29/2015 Deep ug/L	4009-27D 11/4/2015 Deep ug/L	4009-27D 3/28/2016 Deep 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	4009-29S 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	1.0 U	1.0 U	1.0 U	1.0 U	1.3	2.7	1.0 U	3.0	2.9	2.9	2.3	1.9	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	1.0 U	1.0 U	10 U	10 U	10 UD	17 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	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	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	1.0 U	1.0 U	1.0 U	1.0 U	0.28 J	1.0 U	1.0 U	1.0 U	1.0	130 D	35	46 D	29	38	55	49
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 J	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	50 U	50 UD	170 U	100 U	100 U	100 U
Acetone	50*	7.1 J	10.0 U	10.0 U	10.0 U	7.9 J	3.7 J	6.8 J	10 U	6.1 J	10 U	10.0 U	10.0 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	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	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	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	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	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	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	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	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	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	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	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	1.0 U	1.0 U	1.0 U	1.0 U	0.25 J	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	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	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	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	1.0 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	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	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	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	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	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	0.60 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	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	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	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	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	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	1.0 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	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	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	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	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	2.0 U	2.0 U	20 U	20 UD	33 U	40 U	40 U	40 U
Total VOCs		7.10	0.0	0.0	0.60	9.20	6.71	6.80	3.53	9.22	2.90	0.0	2.90	1560	1129	1594	837	1257.7	1587	1285
Total VOCs (w/o Acteone or Methylene Chloride)		0.0	0.0	0.0	0.0	1.30	3.01	0.0	3.53	3.12	2.90	0.0	2.90	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.
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	4009-29S 3/28/2016 Intermediate ug/L	4009-29I 2/20/2014 Intermediate ug/L	4009-29I 5/28/2014 Intermediate ug/L	4009-29I 8/28/2014 Intermediate ug/L	4009-29I 12/9/2014 Intermediate ug/L	4009-29I 4/20/2015 Intermediate ug/L	4009-29I 7/29/2015 Intermediate ug/L	4009-29I 11/4/2015 Intermediate ug/L	4009-29I 3/28/2016 Intermediate ug/L	DUP_02 ² 3/28/2016 Intermediate ug/L	4009-29D 2/20/2014 Deep ug/L	4009-29D 5/28/2014 Deep ug/L	4009-29D 8/28/2014 Deep ug/L	4009-29D 12/9/2014 Deep ug/L	4009-29D 4/20/2015 Deep ug/L	4009-29D 7/29/2015 Deep ug/L	4009-29D 11/4/2015 Deep ug/L	4009-29D 3/28/2016 Deep ug/L	4009-30 4/20/2015 Deep ug/L
1,1,1-Trichloroethane	5	800 D	1700 D	1600	130 DJ	1100	1500	1700	1400	1400 D	1300 D	1.0 U	80	1200 DJ	170	290	30	14	23	0.98 J
1,1,2,2-Tetrachloroethane	5	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		7.1	21	25 U	2.0 UDJ	15 J	15 J	40 U	40 U	14	15	1.0 U	1.1	14	2.9 J	3.6 J	1.0 U	1.0 U	0.40 J	1.0 U
1,1,2-Trichloroethane	1	0.49 J	0.86 J	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	0.57 J	0.77 J	1.0 U	1.0 U	0.65 J	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	58	83	96	21 DJ	82	100	100	90	69	73	1.1	16	150 DJ	27	51	12	4.2	5.5	0.86 J
1,1-Dichloroethene	5	45	150 D	230	6.4 DJ	92	85	240	200	77	81	1.0 U	12	130 DJ	27	29	5.7	2.0	2.0	1.0 U
1,2,3-Trimethylbenzene		20 U	1.0 U	25 U	2.0 UDJ	200 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	29 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzne	5	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	0.04	20 U	1.0 U	25 U	2.0 UDJ	80 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	20 U	0.41 J	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	0.72 J	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene (Mesitylene)	5	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	200 U	10 U	250 U	20 UDJ	400 U	400 U	400 U	400 U	10 U	10 U	10 U	10 U	10 U	57 U	50 U	10 U	10 U	10 U	10 U
2-Hexanone	50*	100 U	5.0 U	130 U	10 UDJ	400 U	200 U	200 U	200 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	57 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)		100 U	5.0 U	130 U	10 UDJ	400 U	200 U	200 U	200 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	57 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	200 U	11	250 U	12 DJ	400 U	400 U	400 U	400 U	10 U	10 U	6.9 J	10 U	10 U	57 U	50 U	10 U	10 U	10 U	7.0 J
Benzene	1	20 U	0.59 J	25 U	41 DJ	40 U	40 U	40 U	40 U	0.48 J	0.57 J	1.0 U	1.0 U	0.72 J	5.7 U	5.0 U	0.70 J	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50*	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide		20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	20 U	1.6	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.3	1.5	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5	1.5	5.0	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	2.7	3.1	1.0 U	1.4	8.8 DJ	5.7 U	2.5 J	1.0 U	1.2	1.2	1.0 U
Chloroform	7	0.49 J	1.1	25 U	1.1 DJ	40 U	40 U	40 U	40 U	0.77 J	0.80 J	1.0 U	1.0 U	0.83 J	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane		20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	390 D	400 D	400	53 DJ	330	380	530	410	420 D	400 D	1.4	25	400 DJ	150	210	37	8.0	9.9	1.0 U
cis-1,3-Dichloropropene	0.4	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane		20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	5	1.5	1.2	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.9	2.1	1.0 U	1.0 U	1.5	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzne (Cumene)	5	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate		50 U	2.5 U	63 U	5.0 UDJ	400 U	100 U	100 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	57 U	13 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Cyclohexane		20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	0.58 J	1.0 U	25 U	1.2 DJ	14 J*	18 J	40 U	40 U	0.60 J	0.48 J	1.0 U	1.0 U	1.0 U	2.0 J*	5.0 U	1.0 U	1.0 U	0.48 J	1.0 U
Methyl Tert Butyl Ether	10	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	0.42 J	2.1	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.8	1.8	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	20 U	1.0 U	25 U	3.7 DJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	20 U	3.4	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.3	1.2	1.0 U	1.0 U	1.8	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	20 U	1.0 U	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	9.2	450 D	460	34 DJ	360	410	550	480	450 D	410 D	1.8	17	400 DJ	26	20	0.78 J	0.94 J	3.3	1.0 U
Trichlorofluoromethane	5	20 U	0.94 J	25 U	2.0 UDJ	40 U	40 U	40 U	40 U	0.92 J	1.0 U	1.0 U	1.0 U	1.0 U	5.7 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	120 D	85	85	6.6 DJ	78	92	140	110	94	99	4.7	12	170 DJ	34	55	7.8	7.2	8.3	1.0 U
Xylenes, Total		40 U	2.0 U	50 U	4.0 UDJ	80 U	80 U	80 U	80 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	11 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		1434	2917	2871	310	2071	2600	3260	2690	2536	2390	15.9	165	2480	439	674	94.0	37.54	54.08	8.84
Total VOCs (w/o Acteone or Methylene Chloride)		1434	2906	2871	297	2057	2582	3260	2690	2536	2390	9.00	165	2480	437	674	94.0	37.54	53.60	1.84

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 Sampling Date Groundwater Monitoring Zone Units	NYSDEC GA Standard ug/L	4009-30 7/29/2015 Deep ug/L	4009-30 11/4/2015 Deep ug/L	4009-30 3/28/2016 Deep ug/L	4009-30A 4/20/2015 Shallow ug/L	4009-30A 7/29/2015 Shallow ug/L	4009-30A 11/4/2015 Shallow ug/L	4009-30A 3/28/2016 Shallow 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
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	220	240	350	250
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	4.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.1	5.0 U	5.0 U	4.3 J
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	4.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5	0.82 J	0.52 J	0.91 J	1.0 U	1.0 U	1.0 U	1.0 U	15	18	28	22
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	10	30	41	16
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	4.0 U	5.0 U	5.0 U	5.0 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	4.0 U	5.0 U	5.0 U	5.0 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	4.0 U	5.0 U	5.0 U	5.0 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	4.0 U	5.0 U	5.0 U	5.0 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	4.0 U	5.0 U	5.0 U	5.0 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	4.0 U	5.0 U	5.0 U	5.0 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	4.0 U	5.0 U	5.0 U	5.0 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	4.0 U	5.0 U	5.0 U	5.0 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	4.0 U	5.0 U	5.0 U	5.0 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	4.0 U	5.0 U	5.0 U	5.0 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	4.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	40 U	50 U	50 U	50 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	20 U	25 U	25 U	25 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	20 U	25 U	25 U	25 U
Acetone	50*	10 U	10 U	10 U	6.9 J	10 U	10 U	10 U	40 U	50 U	50 U	50 U
Benzene	1	1.0 U	0.44 J	1.0 U	0.75 J	2.5	0.60 J	2.2	4.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 U
Bromoform	50*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 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	4.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 U
Chloromethane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 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	39	66	82	68
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	4.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 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	4.0 U	5.0 U	5.0 U	5.0 U
Methyl Acetate		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	13 U	13 U	13 U
Methyl Cyclohexane		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 U
Methylene Chloride	5	1.0 U	1.0 U	0.49 J	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.9 B
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	4.0 U	5.0 U	5.0 U	5.0 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5.0 U	5.0 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	4.0 U	5.0 U	5.0 U	5.0 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	4.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	41	64	81	59
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U	5 U	5 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	4.0 U	5.0 U	5 U	5 U
Xylenes, Total		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	8.0 U	10 U	10 U	10 U
Total VOCs		0.82	0.96	1.40	7.65	2.50	0.60	2.20	329	418	582	425
Total VOCs (w/o Acteone or Methylene Chloride)		0.82	0.96	0.91	0.75	2.50	0.60	2.20	329	418	582	419

Notes
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Environmental Conservation Groundwater Standard
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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	Well 1-2A Influent 7/30/2014	Well 1-2A Influent 8/18/2014	Well 1-2A Influent 8/28/2014	Well 1-2A Influent 9/29/2014	Well 1-2A Influent 9/30/2014	Well 1-2A Influent 10/21/2014	Well 1-2A Influent 10/28/2014	Well 1-2A Influent 11/11/2014	Well 1-2A Influent 11/24/2014	Well 1-2A Influent 12/9/2014	Well 1-2A Influent 12/18/2014	Well 1-2A Influent 1/20/2015	Well 1-2A Influent 1/29/2015	Well 1-2A Influent 2/25/2015**	Well 1-2A Influent 2/25/2015**	Well 1-2A Influent 3/12/2015**	Well 1-2A Influent 3/19/2015**	Well 1-2A Influent 4/9/2015
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	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 1-3 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	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
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	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
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	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
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.0 U	NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS	1.0 U	NA	1.0 U
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	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
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	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
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	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
1,2,3-Trimethylbenzene		1.0 U	NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	5.0 U	NA	NA	1.0 U	NS	1.0 U	0.5 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 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	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
1,2-Dibromo-3-Chloropropane	0.04	1.0 U	NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	2.0 U	NA	NA	1.0 U	NS	1.0 U	0.5 U	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	5	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS	1.0 U	0.5 U	1.0 U
1,2-Dichlorobenzene	3	1.0 U	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 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	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
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	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
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	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
1,3-Dichlorobenzene	3	1.0 U	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 U
2-Butanone (MEK)	50	10 U	NA	10 U	NA	10 U	10.0 U	NA	10 U	NA	NA	10 U	10 U	NA	NA	10 U	NS	10 U	NA	10 U
2-Hexanone	50*	5.0 U	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	5.0 U	NA	5.0 U
4-Methyl-2-pentanone (MIBK)		5.0 U	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	5.0 U	NA	5.0 U
Acetone	50*	10 U	NA	10 U	NA	10 U	10.0 U	NA	10 U	NA	NA	10 U	10 U	NA	NA	10 U	NS	10 U	NA	10 U
Benzene	1	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 U
Bromodichloromethane	50	1.0 U	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	1.0 U	0.5 U	1.0 U
Bromoform	50*	1.0 U	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	1.0 U	0.5 U	1.0 U
Bromomethane	5	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 U
Carbon disulfide		1.0 U	0.5 U	1.0 U	0.5 U	1 U	1.0 U	0.5 U	1.0 U	0.5 U	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS	1.0 U	NA	1.0 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	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
Chlorobenzene	5	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	NA	1.0 U
Chloroethane	5	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 U
Chloroform	7	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS	1.0 U	0.5 U	1.0 U
Chloromethane		1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 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	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
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	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
Cyclohexane		1.0 U	NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS	1.0 U	NA	1.0 U
Dibromochloromethane	50	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	NA	1.0 U*	NA	NA	1.0 U *	1.0 U	NA	NA	1.0 U	NS	1.0 U	0.5 U	1.0 U
Dichlorodifluoromethane	5	1.0 U	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U *	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 U
Ethylbenzene	5	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 U
Isopropylbenzne (Cumene)	5	1.0 U	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	1.0 U	0.5 U	1.0 U
Methyl Acetate		2.5 U	NA	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	10 U	NA	NA	2.5 U	NS	2.5 U	NA	2.5 U
Methyl Cyclohexane		1.0 U	NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA	1.0 U	1.0 U	NA	NA	1.0 U	NS	1.0 U	NA	1.0 U
Methylene Chloride	5	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 U
Methyl Tert Butyl Ether	10	1.0 U	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	1.0 U	1 U	1.0 U
Styrene	5	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 U
Tetrachloroethene	5	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 U
Toluene	5	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 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	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
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	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
Trichloroethene	5	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 U
Trichlorofluoromethane	5	1.0 U	0.5 U	NA	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	NS	1.0 U	0.5 U	1.0 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	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
Xylenes, Total		2.0 U	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	2.0 U	0.5 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 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	Well 1-3 Influent 8/11/2015	Well 1-3 Influent 8/28/2015	Well 1-3 Influent 9/15/2015	Well 1-3 Influent 9/24/2015	Well 1-3 Influent 10/12/2015	Well 1-3 Influent 11/4/2015	Well 1-3 Influent 11/10/2015	Well 1-3 Influent 12/21/2015	Well 1-3 Influent 1/19/2016	Well 1-3 Influent 1/27/2016	Well 1-3 Influent 2/16/2016	Well 1-3 Influent 2/26/2016
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	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	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
1,1,2-Trichloro-1,2,2-Trifluoroethane		NA	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
1,1,2-Trichloroethane	1	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	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
1,1-Dichloroethene	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,2,3-Trimethylbenzene		NA	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
1,2,4-Trichlorobenzene	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	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
1,2-Dibromo-3-Chloropropane	0.04	NA	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
1,2-Dibromoethane (Ethylene Dibromide)	5	NA	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
1,2-Dichlorobenzene	3	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
1,2-Dichloroethane	0.6	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	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
1,3,5-Trimethylbenzene (Mesitylene)	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	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
1,4-Dichlorobenzene	3	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
2-Butanone (MEK)	50	NA	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
2-Hexanone	50*	NA	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
4-Methyl-2-pentanone (MIBK)		NA	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
Acetone	50*	NA	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
Benzene	1	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Bromodichloromethane	50	NA	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
Bromoform	50*	NA	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
Bromomethane	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	1.0 U	NA	1.0 U
Carbon disulfide		NA	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
Carbon tetrachloride	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	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
Chlorobenzene	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Chloroethane	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Chloroform	7	NA	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
Chloromethane		0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	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
cis-1,3-Dichloropropene	0.4	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Cyclohexane		NA	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
Dibromochloromethane	50	NA	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	0.5 U	1.0 U	0.5 U	1.0 U
Dichlorodifluoromethane	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Ethylbenzene	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	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
Methyl Acetate		NA	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
Methyl Cyclohexane		NA	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
Methylene Chloride	5	0.5 U	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
Methyl Tert Butyl Ether	10	0.5 U	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	0.5 U	1.0 U	0.5 U	1.0 U
Styrene	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Tetrachloroethene	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Toluene	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
trans-1,2-Dichloroethene	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
trans-1,3-Dichloropropene	0.4	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Trichloroethene	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U
Trichlorofluoromethane	5	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 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	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
Xylenes, Total		0.5 U	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
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

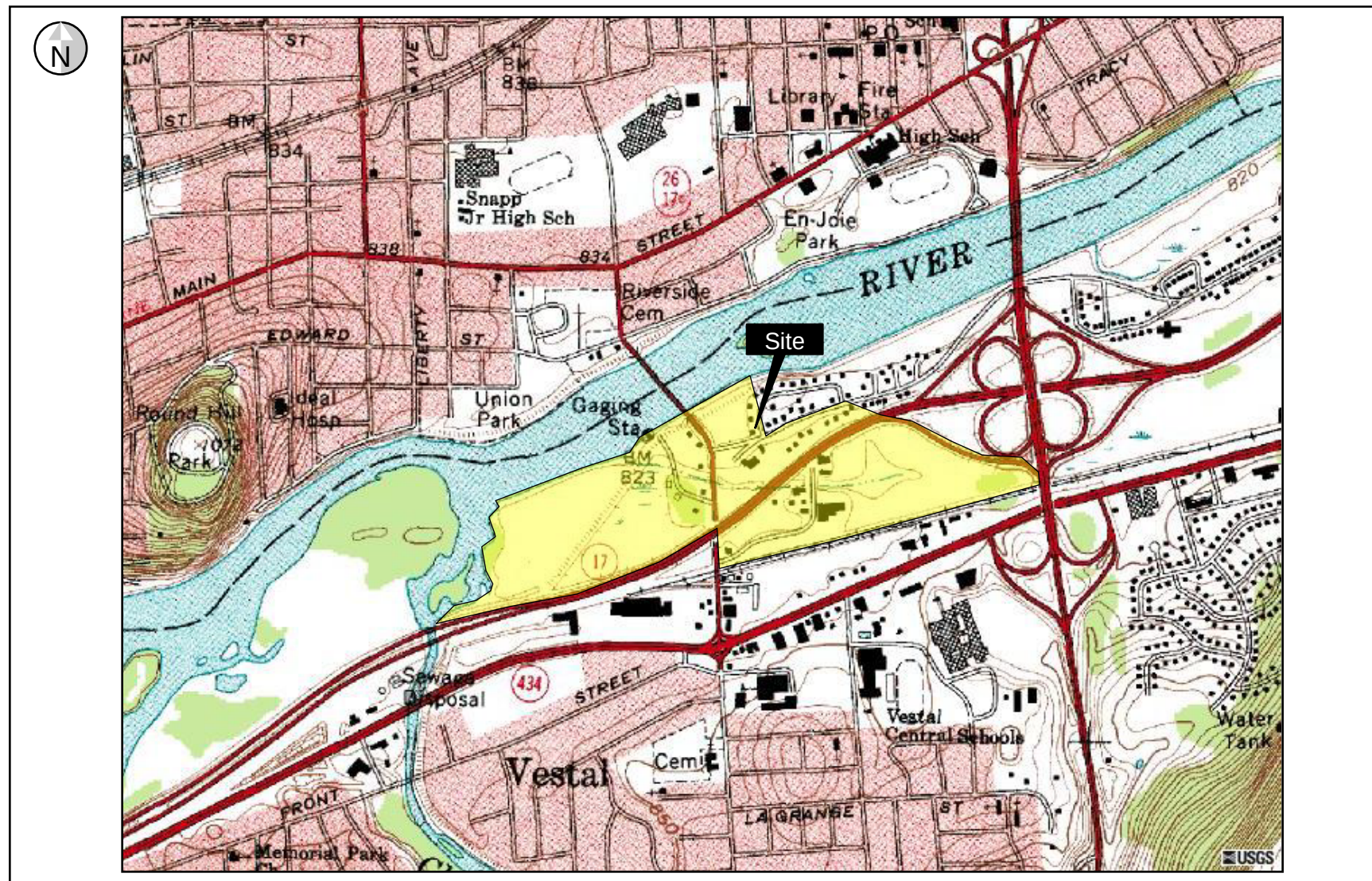
Table 2-4 Summary of Town of Vestal Municipal Well Sampling Results
Remedial Site Optimization
Vestal Water Supply Site
Site Number 7-04-009A

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

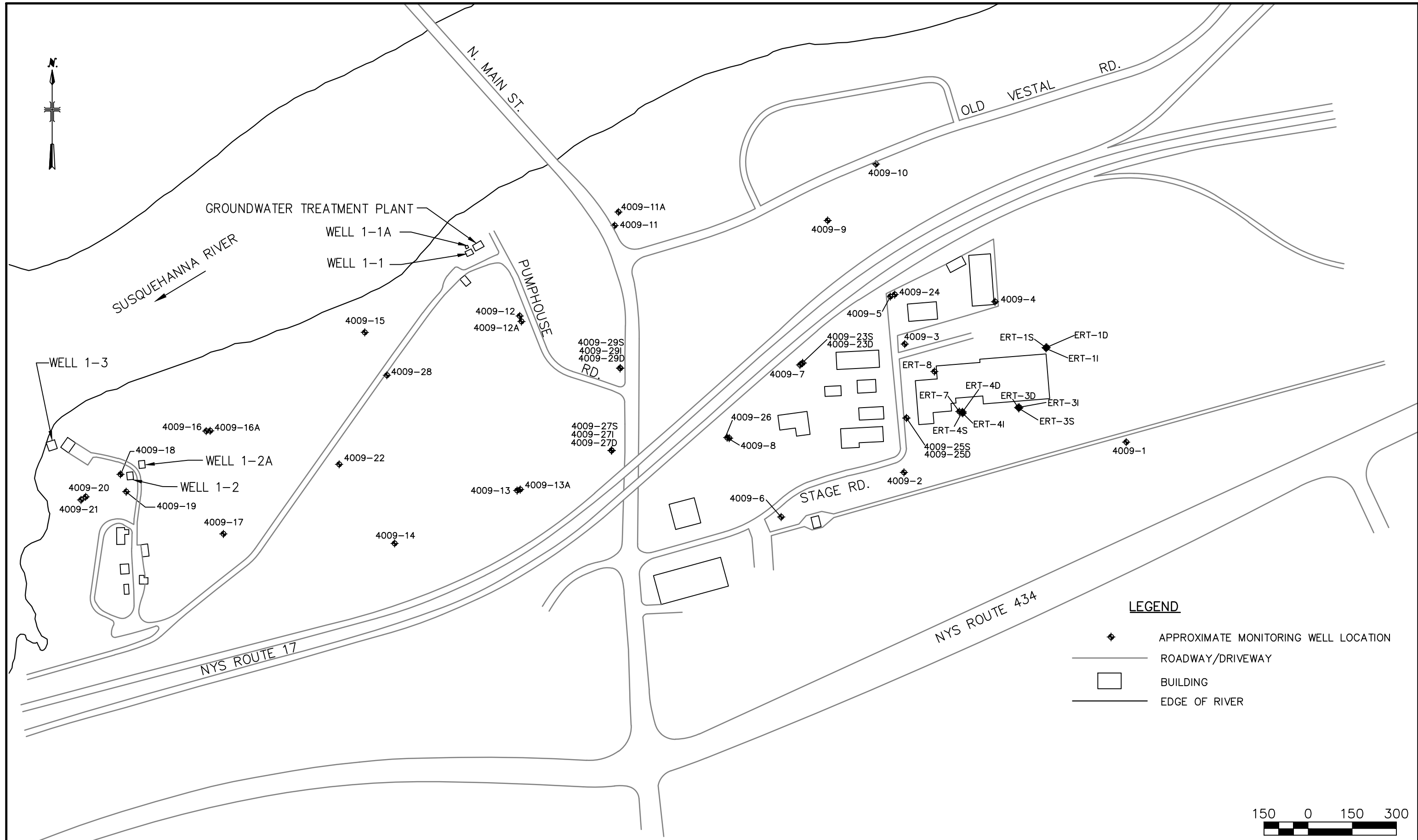
Notes
NYSDEC GA GW Standard - New York State Department
of Environmental Conservation Groundwater Standard
 - Concentration exceeds NYSDEC Class GA Standard
NA - Not Analyzed
NS - Not Sampled
U - Compound was not detected at the indicated concentration
* LCS or LCSD exceeds the control limits
** Well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



LEGEND

- **Well 1-1A**
EXTRACTION WELL & IDENTIFIER
- **4009-16A**
MONITORING WELL & IDENTIFIER
(Groundwater Elevation – Feet AMSL)
- **804.12**
GROUNDWATER ELEVATION
POTENTIOMETRIC CONTOUR
(Feet AMSL)
- ~ **808**
WATER SUPPLY WELL & IDENTIFIER

0 350 700
APPROXIMATE SCALE IN FEET

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

**Shallow Potentiometric Surface
with Well 1-1A Inactive
(March 28, 2016)**

ARCADIS | **2-2** Figure



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
(March 28, 2016)**



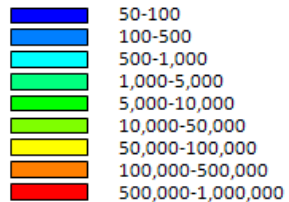
LEGEND

Well 1-3 WATER SUPPLY WELL & IDENTIFIER

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

Well 1-1 EXTRACTION WELL & IDENTIFIER

TOTAL VOCs (ug/L)



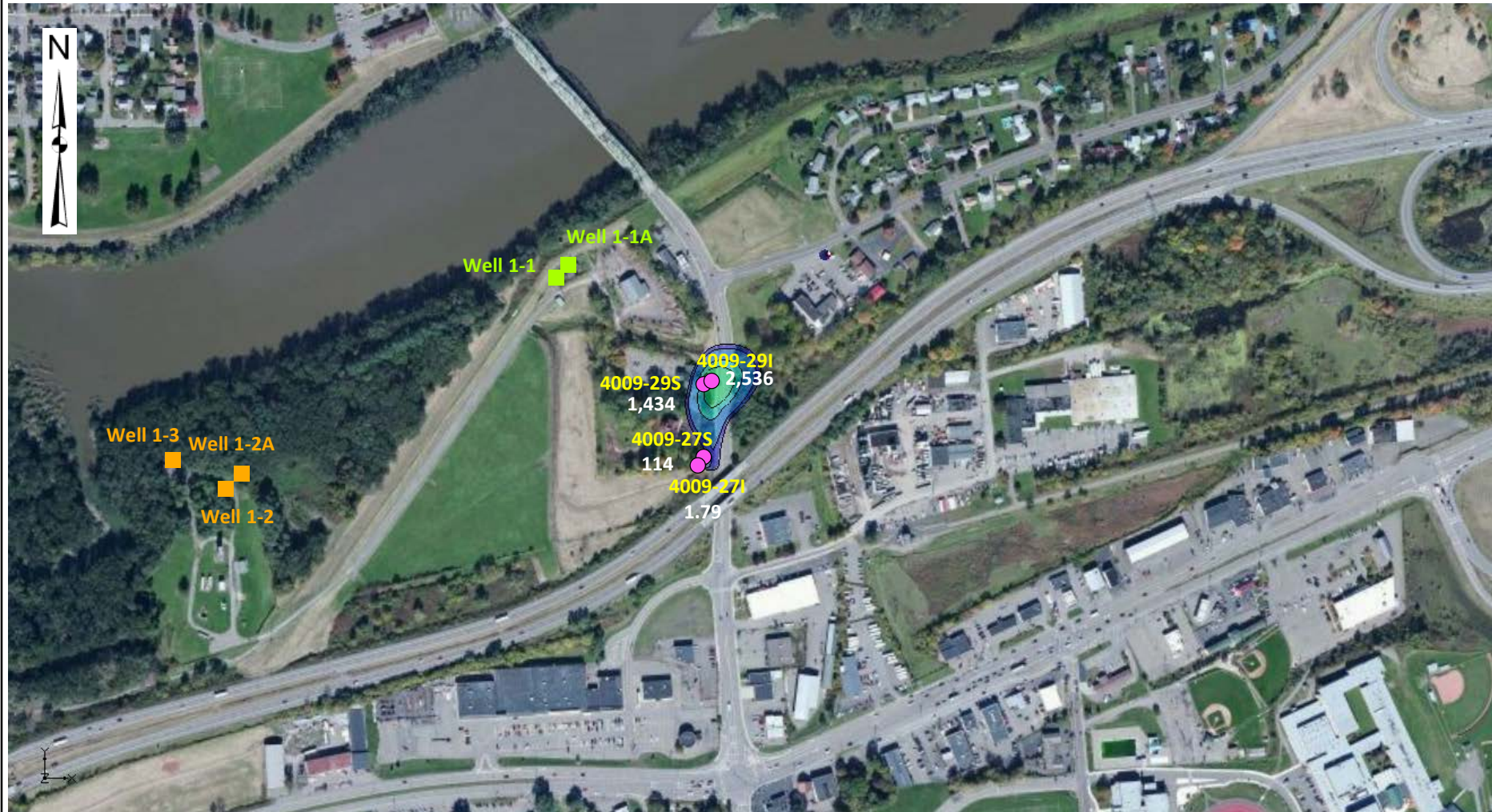
0 350 700

APPROXIMATE SCALE IN FEET

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

Total VOC Concentrations
 (Shallow Wells)
 March 28, 2016

ARCADIS | Figure 2-5



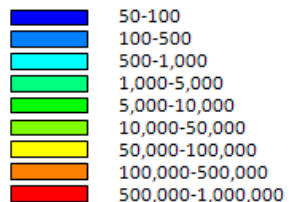
LEGEND

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)**
March 28, 2016

ARCADIS | Figure 2-6



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

**Benzene Concentrations
(Shallow Wells)
March 28, 2016**



LEGEND

- Well 1-3** **Well 1-2A** **Well 1-2** **Well 1-1** **Well 1-1A**
- 4009-12A**
- 30.7**
- Well 1-1**
- Well 1-1A**
- 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

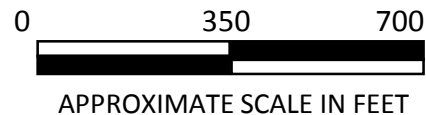
**Benzene Concentrations
(Intermediate Wells)**
March 28, 2016



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)



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

**Benzene Concentrations
 (Deep Wells)
 March 28, 2016**

APPENDIX A

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



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-94460-1

Client Project/Site: NYSDEC-Standby VESTAL

For:

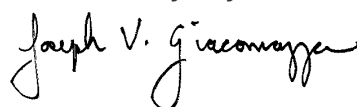
ARCADIS U.S. Inc

855 Route 146

Suite 210

Clifton Park, New York 12065

Attn: Jeremy Wyckoff



Authorized for release by:

2/2/2016 3:44:17 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager

(484)685-0868

judy.stone@testamericainc.com

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www.testamericainc.com

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

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

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

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Definitions/Glossary

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

TestAmerica Job ID: 480-94460-1

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: 480-94460-1

Job ID: 480-94460-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-94460-1

Receipt

The samples were received on 1/28/2016 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-285459 recovered outside acceptance criteria, low biased, for 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1-Dichloroethene, Carbon disulfide, Cyclohexane, and Methylcyclohexane. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated sample was non-detect for this analyte, the data have been reported. The following samples are impacted: WELL 1-2A (480-94460-1), WELL 1-3 (480-94460-2) and TRIP BLANK 1-27-15 (480-94460-3) .

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

Detection Summary

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

TestAmerica Job ID: 480-94460-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-94460-1

☐ No Detections.

Client Sample ID: WELL 1-3

Lab Sample ID: 480-94460-2

☐ No Detections.

Client Sample ID: TRIP BLANK 1-27-15

Lab Sample ID: 480-94460-3

☐ 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: 480-94460-1

Client Sample ID: WELL 1-2A

Date Collected: 01/27/16 09:30

Date Received: 01/28/16 09:00

Lab Sample ID: 480-94460-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			01/29/16 16:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			01/29/16 16:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/29/16 16:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			01/29/16 16:36	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			01/29/16 16:36	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			01/29/16 16:36	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			01/29/16 16:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			01/29/16 16:36	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			01/29/16 16:36	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			01/29/16 16:36	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			01/29/16 16:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			01/29/16 16:36	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			01/29/16 16:36	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			01/29/16 16:36	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			01/29/16 16:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			01/29/16 16:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			01/29/16 16:36	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			01/29/16 16:36	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			01/29/16 16:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			01/29/16 16:36	1
Acetone	10	U	10	3.0	ug/L			01/29/16 16:36	1
Benzene	1.0	U	1.0	0.41	ug/L			01/29/16 16:36	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			01/29/16 16:36	1
Bromoform	1.0	U	1.0	0.26	ug/L			01/29/16 16:36	1
Bromomethane	1.0	U	1.0	0.69	ug/L			01/29/16 16:36	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			01/29/16 16:36	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			01/29/16 16:36	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			01/29/16 16:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/29/16 16:36	1
Chloroform	1.0	U	1.0	0.34	ug/L			01/29/16 16:36	1
Chloromethane	1.0	U	1.0	0.35	ug/L			01/29/16 16:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			01/29/16 16:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			01/29/16 16:36	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			01/29/16 16:36	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			01/29/16 16:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			01/29/16 16:36	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			01/29/16 16:36	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			01/29/16 16:36	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			01/29/16 16:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			01/29/16 16:36	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			01/29/16 16:36	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			01/29/16 16:36	1
Styrene	1.0	U	1.0	0.73	ug/L			01/29/16 16:36	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			01/29/16 16:36	1
Toluene	1.0	U	1.0	0.51	ug/L			01/29/16 16:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			01/29/16 16:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			01/29/16 16:36	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			01/29/16 16:36	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			01/29/16 16:36	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-94460-1

Client Sample ID: WELL 1-2A

Date Collected: 01/27/16 09:30

Date Received: 01/28/16 09:00

Lab Sample ID: 480-94460-1

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			01/29/16 16:36	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			01/29/16 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		66 - 137					01/29/16 16:36	1
4-Bromofluorobenzene (Surr)	100		73 - 120					01/29/16 16:36	1
Dibromofluoromethane (Surr)	92		60 - 140					01/29/16 16:36	1
Toluene-d8 (Surr)	88		71 - 126					01/29/16 16:36	1

Client Sample ID: WELL 1-3

Date Collected: 01/27/16 09:40

Date Received: 01/28/16 09:00

Lab Sample ID: 480-94460-2

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			01/29/16 16:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			01/29/16 16:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/29/16 16:59	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			01/29/16 16:59	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			01/29/16 16:59	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			01/29/16 16:59	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			01/29/16 16:59	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			01/29/16 16:59	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			01/29/16 16:59	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			01/29/16 16:59	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			01/29/16 16:59	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			01/29/16 16:59	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			01/29/16 16:59	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			01/29/16 16:59	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			01/29/16 16:59	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			01/29/16 16:59	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			01/29/16 16:59	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			01/29/16 16:59	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			01/29/16 16:59	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			01/29/16 16:59	1
Acetone	10	U	10	3.0	ug/L			01/29/16 16:59	1
Benzene	1.0	U	1.0	0.41	ug/L			01/29/16 16:59	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			01/29/16 16:59	1
Bromoform	1.0	U	1.0	0.26	ug/L			01/29/16 16:59	1
Bromomethane	1.0	U	1.0	0.69	ug/L			01/29/16 16:59	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			01/29/16 16:59	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			01/29/16 16:59	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			01/29/16 16:59	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/29/16 16:59	1
Chloroform	1.0	U	1.0	0.34	ug/L			01/29/16 16:59	1
Chloromethane	1.0	U	1.0	0.35	ug/L			01/29/16 16:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			01/29/16 16:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			01/29/16 16:59	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			01/29/16 16:59	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			01/29/16 16:59	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-94460-1

Client Sample ID: WELL 1-3

Lab Sample ID: 480-94460-2

Date Collected: 01/27/16 09:40

Matrix: Water

Date Received: 01/28/16 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			01/29/16 16:59	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			01/29/16 16:59	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			01/29/16 16:59	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			01/29/16 16:59	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			01/29/16 16:59	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			01/29/16 16:59	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			01/29/16 16:59	1
Styrene	1.0	U	1.0	0.73	ug/L			01/29/16 16:59	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			01/29/16 16:59	1
Toluene	1.0	U	1.0	0.51	ug/L			01/29/16 16:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			01/29/16 16:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			01/29/16 16:59	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			01/29/16 16:59	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			01/29/16 16:59	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			01/29/16 16:59	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			01/29/16 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		66 - 137		01/29/16 16:59	1
4-Bromofluorobenzene (Surr)	100		73 - 120		01/29/16 16:59	1
Dibromofluoromethane (Surr)	95		60 - 140		01/29/16 16:59	1
Toluene-d8 (Surr)	89		71 - 126		01/29/16 16:59	1

Client Sample ID: TRIP BLANK 1-27-15

Lab Sample ID: 480-94460-3

Date Collected: 01/27/16 00:00

Matrix: Water

Date Received: 01/28/16 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			01/29/16 17:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			01/29/16 17:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/29/16 17:23	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			01/29/16 17:23	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			01/29/16 17:23	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			01/29/16 17:23	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			01/29/16 17:23	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			01/29/16 17:23	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			01/29/16 17:23	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			01/29/16 17:23	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			01/29/16 17:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			01/29/16 17:23	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			01/29/16 17:23	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			01/29/16 17:23	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			01/29/16 17:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			01/29/16 17:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			01/29/16 17:23	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			01/29/16 17:23	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			01/29/16 17:23	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			01/29/16 17:23	1
Acetone	10	U	10	3.0	ug/L			01/29/16 17:23	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-94460-1

Client Sample ID: TRIP BLANK 1-27-15

Lab Sample ID: 480-94460-3

Date Collected: 01/27/16 00:00

Matrix: Water

Date Received: 01/28/16 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			01/29/16 17:23	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			01/29/16 17:23	1
Bromoform	1.0	U	1.0	0.26	ug/L			01/29/16 17:23	1
Bromomethane	1.0	U	1.0	0.69	ug/L			01/29/16 17:23	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			01/29/16 17:23	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			01/29/16 17:23	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			01/29/16 17:23	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/29/16 17:23	1
Chloroform	1.0	U	1.0	0.34	ug/L			01/29/16 17:23	1
Chloromethane	1.0	U	1.0	0.35	ug/L			01/29/16 17:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			01/29/16 17:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			01/29/16 17:23	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			01/29/16 17:23	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			01/29/16 17:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			01/29/16 17:23	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			01/29/16 17:23	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			01/29/16 17:23	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			01/29/16 17:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			01/29/16 17:23	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			01/29/16 17:23	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			01/29/16 17:23	1
Styrene	1.0	U	1.0	0.73	ug/L			01/29/16 17:23	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			01/29/16 17:23	1
Toluene	1.0	U	1.0	0.51	ug/L			01/29/16 17:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			01/29/16 17:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			01/29/16 17:23	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			01/29/16 17:23	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			01/29/16 17:23	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			01/29/16 17:23	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			01/29/16 17:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		66 - 137		01/29/16 17:23	1
4-Bromofluorobenzene (Surr)	96		73 - 120		01/29/16 17:23	1
Dibromofluoromethane (Surr)	92		60 - 140		01/29/16 17:23	1
Toluene-d8 (Surr)	88		71 - 126		01/29/16 17:23	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-94460-1

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 (66-137)	BFB (73-120)	DBFM (60-140)	TOL (71-126)
480-94460-1	WELL 1-2A	90	100	92	88
480-94460-2	WELL 1-3	91	100	95	89
480-94460-3	TRIP BLANK 1-27-15	91	96	92	88
LCS 480-285459/52	Lab Control Sample	97	95	90	88
MB 480-285459/7	Method Blank	93	99	95	89

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: 480-94460-1

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

Lab Sample ID: MB 480-285459/7

Matrix: Water

Analysis Batch: 285459

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			01/29/16 13:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			01/29/16 13:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/29/16 13:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			01/29/16 13:17	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			01/29/16 13:17	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			01/29/16 13:17	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			01/29/16 13:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			01/29/16 13:17	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			01/29/16 13:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			01/29/16 13:17	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			01/29/16 13:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			01/29/16 13:17	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			01/29/16 13:17	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			01/29/16 13:17	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			01/29/16 13:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			01/29/16 13:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			01/29/16 13:17	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			01/29/16 13:17	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			01/29/16 13:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			01/29/16 13:17	1
Acetone	10	U	10	3.0	ug/L			01/29/16 13:17	1
Benzene	1.0	U	1.0	0.41	ug/L			01/29/16 13:17	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			01/29/16 13:17	1
Bromoform	1.0	U	1.0	0.26	ug/L			01/29/16 13:17	1
Bromomethane	1.0	U	1.0	0.69	ug/L			01/29/16 13:17	1
Carbon disulfide	0.202	J	1.0	0.19	ug/L			01/29/16 13:17	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			01/29/16 13:17	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			01/29/16 13:17	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/29/16 13:17	1
Chloroform	1.0	U	1.0	0.34	ug/L			01/29/16 13:17	1
Chloromethane	1.0	U	1.0	0.35	ug/L			01/29/16 13:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			01/29/16 13:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			01/29/16 13:17	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			01/29/16 13:17	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			01/29/16 13:17	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			01/29/16 13:17	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			01/29/16 13:17	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			01/29/16 13:17	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			01/29/16 13:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			01/29/16 13:17	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			01/29/16 13:17	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			01/29/16 13:17	1
Styrene	1.0	U	1.0	0.73	ug/L			01/29/16 13:17	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			01/29/16 13:17	1
Toluene	1.0	U	1.0	0.51	ug/L			01/29/16 13:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			01/29/16 13:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			01/29/16 13:17	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			01/29/16 13:17	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-94460-1

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

Lab Sample ID: MB 480-285459/7

Matrix: Water

Analysis Batch: 285459

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			01/29/16 13:17	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			01/29/16 13:17	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			01/29/16 13:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		66 - 137		01/29/16 13:17	1
4-Bromofluorobenzene (Surr)	99		73 - 120		01/29/16 13:17	1
Dibromofluoromethane (Surr)	95		60 - 140		01/29/16 13:17	1
Toluene-d8 (Surr)	89		71 - 126		01/29/16 13:17	1

Lab Sample ID: LCS 480-285459/52

Matrix: Water

Analysis Batch: 285459

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	21.1		ug/L		84	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.4		ug/L		90	70 - 126
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	15.6		ug/L		62	52 - 148
1,1,2-Trichloroethane	25.0	22.4		ug/L		90	76 - 122
1,1-Dichloroethane	25.0	20.8		ug/L		83	71 - 129
1,1-Dichloroethene	25.0	19.7		ug/L		79	58 - 121
1,2,3-Trimethylbenzene	25.0	26.3		ug/L		105	67 - 138
1,2,4-Trichlorobenzene	25.0	23.0		ug/L		92	70 - 122
1,2,4-Trimethylbenzene	25.0	22.7		ug/L		91	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	25.1		ug/L		101	56 - 134
1,2-Dibromoethane	25.0	23.8		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	22.0		ug/L		88	80 - 124
1,2-Dichloroethane	25.0	23.2		ug/L		93	75 - 127
1,2-Dichloropropane	25.0	21.2		ug/L		85	76 - 120
1,3,5-Trimethylbenzene	25.0	22.2		ug/L		89	77 - 121
1,3-Dichlorobenzene	25.0	22.4		ug/L		90	77 - 120
1,4-Dichlorobenzene	25.0	21.6		ug/L		86	75 - 120
2-Butanone (MEK)	125	73.0		ug/L		58	57 - 140
2-Hexanone	125	103		ug/L		82	65 - 127
4-Methyl-2-pentanone (MIBK)	125	103		ug/L		83	71 - 125
Acetone	125	107		ug/L		86	56 - 142
Benzene	25.0	20.9		ug/L		83	71 - 124
Bromodichloromethane	25.0	24.4		ug/L		98	80 - 122
Bromoform	25.0	25.4		ug/L		102	52 - 132
Bromomethane	25.0	32.8		ug/L		131	55 - 144
Carbon disulfide	25.0	19.1		ug/L		77	59 - 134
Carbon tetrachloride	25.0	21.4		ug/L		86	72 - 134
Chlorobenzene	25.0	22.0		ug/L		88	72 - 120
Chloroethane	25.0	30.5		ug/L		122	69 - 136
Chloroform	25.0	21.5		ug/L		86	73 - 127
Chloromethane	25.0	20.9		ug/L		84	68 - 124
cis-1,2-Dichloroethene	25.0	21.4		ug/L		86	74 - 124

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-94460-1

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

Lab Sample ID: LCS 480-285459/52

Matrix: Water

Analysis Batch: 285459

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	25.9		ug/L		104	74 - 124
Cyclohexane	25.0	16.1		ug/L		64	59 - 135
Dibromochloromethane	25.0	25.6		ug/L		102	75 - 125
Dichlorodifluoromethane	25.0	25.3		ug/L		101	59 - 135
Ethylbenzene	25.0	22.2		ug/L		89	77 - 123
Isopropylbenzene	25.0	22.2		ug/L		89	77 - 122
Methyl acetate	125	110		ug/L		88	74 - 133
Methyl tert-butyl ether	25.0	21.7		ug/L		87	64 - 127
Methylcyclohexane	25.0	18.3		ug/L		73	61 - 138
Methylene Chloride	25.0	20.1		ug/L		80	57 - 132
Styrene	25.0	22.6		ug/L		90	70 - 130
Tetrachloroethene	25.0	23.2		ug/L		93	74 - 122
Toluene	25.0	21.5		ug/L		86	80 - 122
trans-1,2-Dichloroethene	25.0	20.8		ug/L		83	73 - 127
trans-1,3-Dichloropropene	25.0	23.9		ug/L		95	72 - 123
Trichloroethene	25.0	21.8		ug/L		87	74 - 123
Trichlorofluoromethane	25.0	27.8		ug/L		111	62 - 152
Vinyl chloride	25.0	23.4		ug/L		94	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		66 - 137
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	90		60 - 140
Toluene-d8 (Surr)	88		71 - 126

QC Association Summary

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

TestAmerica Job ID: 480-94460-1

GC/MS VOA

Analysis Batch: 285459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94460-1	WELL 1-2A	Total/NA	Water	8260C	
480-94460-2	WELL 1-3	Total/NA	Water	8260C	
480-94460-3	TRIP BLANK 1-27-15	Total/NA	Water	8260C	
LCS 480-285459/52	Lab Control Sample	Total/NA	Water	8260C	
MB 480-285459/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-94460-1

Client Sample ID: WELL 1-2A

Date Collected: 01/27/16 09:30

Date Received: 01/28/16 09:00

Lab Sample ID: 480-94460-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	285459	01/29/16 16:36	RRS	TAL BUF

Client Sample ID: WELL 1-3

Date Collected: 01/27/16 09:40

Date Received: 01/28/16 09:00

Lab Sample ID: 480-94460-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	285459	01/29/16 16:59	RRS	TAL BUF

Client Sample ID: TRIP BLANK 1-27-15

Date Collected: 01/27/16 00:00

Date Received: 01/28/16 09:00

Lab Sample ID: 480-94460-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	285459	01/29/16 17:23	RRS	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: 480-94460-1

Laboratory: TestAmerica Buffalo

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

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

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

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

Method Summary

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

TestAmerica Job ID: 480-94460-1

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: 480-94460-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-94460-1	WELL 1-2A	Water	01/27/16 09:30	01/28/16 09:00
480-94460-2	WELL 1-3	Water	01/27/16 09:40	01/28/16 09:00
480-94460-3	TRIP BLANK 1-27-15	Water	01/27/16 00:00	01/28/16 09:00

Chain of Custody Record

Client Information		Lab PM: Stone, Judy L.		Carrier Tracking No(s): 480-78313-18034.1					
Client Contact: Ms. Katie Bidwell		E-Mail: judy.stone@testamerica.com		Page: Page 1 of 1					
Company: ARCADIS U.S. Inc.		Phone: 315-436-5041		Job #:					
Address: 855 Route 146 Suite 210		Due Date Requested:		Analysis Requested					
City: Clifton Park		TAT Requested (days):		Preservation Codes:					
State/Zip: NY, 12065		STID		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:					
Phone: 518-250-7300(Tel)		PO #:		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)					
Email: katie.bidwell@arcadis-us.com		WO #:							
Project Name: NYSDEC-Standby VESTAL		Contract D007618							
Site:		Project #: 48005198							
		SSOW#:							
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastefall, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Performance MS/MSD (Yes or No)	8260C - (MOD) TCL list OLMO4.2	Total Number of Containers	Special Instructions/Note:
Well 1-2A	1-27-15	0930	G	Water	X	X	X		
Well 1-3	1-27-15	0940	G	Water	X	X	X		
Trip Blank 1-27-15	1-27-15	-	-	Water	X	X	X		
480-94460 Chain of Custody									
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months									
Special Instructions/QC Requirements:									
Empty Kit Relinquished by:									
Relinquished by: <i>Katie Bidwell</i> Date: 1/27/16 Time: 1145 Company: ARCADIS									
Relinquished by: Date: Time: Company:									
Relinquished by: Date: Time: Company:									
Custody Seals Intact: ☐ Yes ☐ No									
Custody Seal No.: 316#212E									

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-94460-1

Login Number: 94460

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (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.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-95755-1

Client Project/Site: NYSDEC-Standby VESTAL

For:

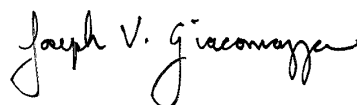
ARCADIS U.S. Inc

855 Route 146

Suite 210

Clifton Park, New York 12065

Attn: Jeremy Wyckoff



Authorized for release by:

3/4/2016 11:19:11 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager

(484)685-0868

judy.stone@testamericainc.com

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

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

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



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Definitions/Glossary

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

TestAmerica Job ID: 480-95755-1

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: 480-95755-1

Job ID: 480-95755-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-95755-1

Receipt

The samples were received on 2/29/2016 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-289118 recovered above the upper control limit for 2-Butanone and 2-Hexanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: WELL 1-2A (480-95755-1), WELL 1-3 (480-95755-2) and TRIP BLANK 022616 (480-95755-3).

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

Detection Summary

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

TestAmerica Job ID: 480-95755-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-95755-1

☐ No Detections.

Client Sample ID: WELL 1-3

Lab Sample ID: 480-95755-2

☐ No Detections.

Client Sample ID: TRIP BLANK 022616

Lab Sample ID: 480-95755-3

☐ 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: 480-95755-1

Client Sample ID: WELL 1-2A

Date Collected: 02/26/16 09:20

Date Received: 02/29/16 09:00

Lab Sample ID: 480-95755-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			03/01/16 03:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			03/01/16 03:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/01/16 03:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			03/01/16 03:02	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			03/01/16 03:02	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			03/01/16 03:02	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			03/01/16 03:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			03/01/16 03:02	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			03/01/16 03:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			03/01/16 03:02	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			03/01/16 03:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			03/01/16 03:02	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			03/01/16 03:02	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			03/01/16 03:02	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			03/01/16 03:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			03/01/16 03:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			03/01/16 03:02	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			03/01/16 03:02	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			03/01/16 03:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			03/01/16 03:02	1
Acetone	10	U	10	3.0	ug/L			03/01/16 03:02	1
Benzene	1.0	U	1.0	0.41	ug/L			03/01/16 03:02	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			03/01/16 03:02	1
Bromoform	1.0	U	1.0	0.26	ug/L			03/01/16 03:02	1
Bromomethane	1.0	U	1.0	0.69	ug/L			03/01/16 03:02	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			03/01/16 03:02	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			03/01/16 03:02	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			03/01/16 03:02	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/01/16 03:02	1
Chloroform	1.0	U	1.0	0.34	ug/L			03/01/16 03:02	1
Chloromethane	1.0	U	1.0	0.35	ug/L			03/01/16 03:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			03/01/16 03:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			03/01/16 03:02	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			03/01/16 03:02	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			03/01/16 03:02	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			03/01/16 03:02	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			03/01/16 03:02	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			03/01/16 03:02	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			03/01/16 03:02	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			03/01/16 03:02	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			03/01/16 03:02	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			03/01/16 03:02	1
Styrene	1.0	U	1.0	0.73	ug/L			03/01/16 03:02	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			03/01/16 03:02	1
Toluene	1.0	U	1.0	0.51	ug/L			03/01/16 03:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			03/01/16 03:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			03/01/16 03:02	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			03/01/16 03:02	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			03/01/16 03:02	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-95755-1

Client Sample ID: WELL 1-2A

Date Collected: 02/26/16 09:20

Date Received: 02/29/16 09:00

Lab Sample ID: 480-95755-1

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			03/01/16 03:02	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			03/01/16 03:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137					03/01/16 03:02	1
4-Bromofluorobenzene (Surr)	104		73 - 120					03/01/16 03:02	1
Dibromofluoromethane (Surr)	94		60 - 140					03/01/16 03:02	1
Toluene-d8 (Surr)	102		71 - 126					03/01/16 03:02	1

Client Sample ID: WELL 1-3

Date Collected: 02/26/16 09:30

Date Received: 02/29/16 09:00

Lab Sample ID: 480-95755-2

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			03/01/16 03:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			03/01/16 03:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/01/16 03:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			03/01/16 03:25	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			03/01/16 03:25	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			03/01/16 03:25	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			03/01/16 03:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			03/01/16 03:25	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			03/01/16 03:25	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			03/01/16 03:25	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			03/01/16 03:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			03/01/16 03:25	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			03/01/16 03:25	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			03/01/16 03:25	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			03/01/16 03:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			03/01/16 03:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			03/01/16 03:25	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			03/01/16 03:25	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			03/01/16 03:25	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			03/01/16 03:25	1
Acetone	10	U	10	3.0	ug/L			03/01/16 03:25	1
Benzene	1.0	U	1.0	0.41	ug/L			03/01/16 03:25	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			03/01/16 03:25	1
Bromoform	1.0	U	1.0	0.26	ug/L			03/01/16 03:25	1
Bromomethane	1.0	U	1.0	0.69	ug/L			03/01/16 03:25	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			03/01/16 03:25	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			03/01/16 03:25	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			03/01/16 03:25	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/01/16 03:25	1
Chloroform	1.0	U	1.0	0.34	ug/L			03/01/16 03:25	1
Chloromethane	1.0	U	1.0	0.35	ug/L			03/01/16 03:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			03/01/16 03:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			03/01/16 03:25	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			03/01/16 03:25	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			03/01/16 03:25	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-95755-1

Client Sample ID: WELL 1-3

Lab Sample ID: 480-95755-2

Date Collected: 02/26/16 09:30

Matrix: Water

Date Received: 02/29/16 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			03/01/16 03:25	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			03/01/16 03:25	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			03/01/16 03:25	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			03/01/16 03:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			03/01/16 03:25	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			03/01/16 03:25	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			03/01/16 03:25	1
Styrene	1.0	U	1.0	0.73	ug/L			03/01/16 03:25	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			03/01/16 03:25	1
Toluene	1.0	U	1.0	0.51	ug/L			03/01/16 03:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			03/01/16 03:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			03/01/16 03:25	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			03/01/16 03:25	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			03/01/16 03:25	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			03/01/16 03:25	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			03/01/16 03:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		66 - 137		03/01/16 03:25	1
4-Bromofluorobenzene (Surr)	102		73 - 120		03/01/16 03:25	1
Dibromofluoromethane (Surr)	93		60 - 140		03/01/16 03:25	1
Toluene-d8 (Surr)	101		71 - 126		03/01/16 03:25	1

Client Sample ID: TRIP BLANK 022616

Lab Sample ID: 480-95755-3

Date Collected: 02/26/16 00:00

Matrix: Water

Date Received: 02/29/16 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			03/01/16 03:48	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			03/01/16 03:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/01/16 03:48	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			03/01/16 03:48	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			03/01/16 03:48	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			03/01/16 03:48	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			03/01/16 03:48	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			03/01/16 03:48	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			03/01/16 03:48	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			03/01/16 03:48	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			03/01/16 03:48	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			03/01/16 03:48	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			03/01/16 03:48	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			03/01/16 03:48	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			03/01/16 03:48	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			03/01/16 03:48	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			03/01/16 03:48	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			03/01/16 03:48	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			03/01/16 03:48	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			03/01/16 03:48	1
Acetone	10	U	10	3.0	ug/L			03/01/16 03:48	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-95755-1

Client Sample ID: TRIP BLANK 022616

Lab Sample ID: 480-95755-3

Date Collected: 02/26/16 00:00

Matrix: Water

Date Received: 02/29/16 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			03/01/16 03:48	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			03/01/16 03:48	1
Bromoform	1.0	U	1.0	0.26	ug/L			03/01/16 03:48	1
Bromomethane	1.0	U	1.0	0.69	ug/L			03/01/16 03:48	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			03/01/16 03:48	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			03/01/16 03:48	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			03/01/16 03:48	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/01/16 03:48	1
Chloroform	1.0	U	1.0	0.34	ug/L			03/01/16 03:48	1
Chloromethane	1.0	U	1.0	0.35	ug/L			03/01/16 03:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			03/01/16 03:48	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			03/01/16 03:48	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			03/01/16 03:48	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			03/01/16 03:48	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			03/01/16 03:48	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			03/01/16 03:48	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			03/01/16 03:48	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			03/01/16 03:48	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			03/01/16 03:48	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			03/01/16 03:48	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			03/01/16 03:48	1
Styrene	1.0	U	1.0	0.73	ug/L			03/01/16 03:48	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			03/01/16 03:48	1
Toluene	1.0	U	1.0	0.51	ug/L			03/01/16 03:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			03/01/16 03:48	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			03/01/16 03:48	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			03/01/16 03:48	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			03/01/16 03:48	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			03/01/16 03:48	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			03/01/16 03:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		03/01/16 03:48	1
4-Bromofluorobenzene (Surr)	105		73 - 120		03/01/16 03:48	1
Dibromofluoromethane (Surr)	95		60 - 140		03/01/16 03:48	1
Toluene-d8 (Surr)	104		71 - 126		03/01/16 03:48	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-95755-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (66-137)	BFB (73-120)	DBFM (60-140)	TOL (71-126)
480-95755-1	WELL 1-2A	97	104	94	102
480-95755-2	WELL 1-3	94	102	93	101
480-95755-3	TRIP BLANK 022616	99	105	95	104
LCS 480-289118/22	Lab Control Sample	100	106	100	104
MB 480-289118/7	Method Blank	97	103	95	102

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: 480-95755-1

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

Lab Sample ID: MB 480-289118/7

Matrix: Water

Analysis Batch: 289118

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			02/29/16 22:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			02/29/16 22:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			02/29/16 22:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			02/29/16 22:34	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			02/29/16 22:34	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			02/29/16 22:34	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			02/29/16 22:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			02/29/16 22:34	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			02/29/16 22:34	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			02/29/16 22:34	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			02/29/16 22:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			02/29/16 22:34	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			02/29/16 22:34	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			02/29/16 22:34	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			02/29/16 22:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			02/29/16 22:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			02/29/16 22:34	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			02/29/16 22:34	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			02/29/16 22:34	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			02/29/16 22:34	1
Acetone	10	U	10	3.0	ug/L			02/29/16 22:34	1
Benzene	1.0	U	1.0	0.41	ug/L			02/29/16 22:34	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			02/29/16 22:34	1
Bromoform	1.0	U	1.0	0.26	ug/L			02/29/16 22:34	1
Bromomethane	1.0	U	1.0	0.69	ug/L			02/29/16 22:34	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			02/29/16 22:34	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			02/29/16 22:34	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			02/29/16 22:34	1
Chloroethane	1.0	U	1.0	0.32	ug/L			02/29/16 22:34	1
Chloroform	1.0	U	1.0	0.34	ug/L			02/29/16 22:34	1
Chloromethane	1.0	U	1.0	0.35	ug/L			02/29/16 22:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			02/29/16 22:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			02/29/16 22:34	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			02/29/16 22:34	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			02/29/16 22:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			02/29/16 22:34	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			02/29/16 22:34	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			02/29/16 22:34	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			02/29/16 22:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			02/29/16 22:34	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			02/29/16 22:34	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			02/29/16 22:34	1
Styrene	1.0	U	1.0	0.73	ug/L			02/29/16 22:34	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			02/29/16 22:34	1
Toluene	1.0	U	1.0	0.51	ug/L			02/29/16 22:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			02/29/16 22:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			02/29/16 22:34	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			02/29/16 22:34	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-95755-1

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

Lab Sample ID: MB 480-289118/7

Matrix: Water

Analysis Batch: 289118

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			02/29/16 22:34	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			02/29/16 22:34	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			02/29/16 22:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		02/29/16 22:34	1
4-Bromofluorobenzene (Surr)	103		73 - 120		02/29/16 22:34	1
Dibromofluoromethane (Surr)	95		60 - 140		02/29/16 22:34	1
Toluene-d8 (Surr)	102		71 - 126		02/29/16 22:34	1

Lab Sample ID: LCS 480-289118/22

Matrix: Water

Analysis Batch: 289118

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	23.0		ug/L		92	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.0		ug/L		104	70 - 126
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.1		ug/L		88	52 - 148
1,1,2-Trichloroethane	25.0	26.0		ug/L		104	76 - 122
1,1-Dichloroethane	25.0	23.7		ug/L		95	71 - 129
1,1-Dichloroethene	25.0	20.3		ug/L		81	58 - 121
1,2,3-Trimethylbenzene	25.0	28.2		ug/L		113	67 - 138
1,2,4-Trichlorobenzene	25.0	26.5		ug/L		106	70 - 122
1,2,4-Trimethylbenzene	25.0	26.1		ug/L		105	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	25.0		ug/L		100	56 - 134
1,2-Dibromoethane	25.0	26.2		ug/L		105	77 - 120
1,2-Dichlorobenzene	25.0	26.4		ug/L		106	80 - 124
1,2-Dichloroethane	25.0	23.3		ug/L		93	75 - 127
1,2-Dichloropropane	25.0	25.7		ug/L		103	76 - 120
1,3,5-Trimethylbenzene	25.0	26.3		ug/L		105	77 - 121
1,3-Dichlorobenzene	25.0	26.0		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	26.3		ug/L		105	75 - 120
2-Butanone (MEK)	125	123		ug/L		99	57 - 140
2-Hexanone	125	133		ug/L		106	65 - 127
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		103	71 - 125
Acetone	125	139		ug/L		111	56 - 142
Benzene	25.0	24.2		ug/L		97	71 - 124
Bromodichloromethane	25.0	24.2		ug/L		97	80 - 122
Bromoform	25.0	23.0		ug/L		92	52 - 132
Bromomethane	25.0	25.9		ug/L		104	55 - 144
Carbon disulfide	25.0	19.5		ug/L		78	59 - 134
Carbon tetrachloride	25.0	21.3		ug/L		85	72 - 134
Chlorobenzene	25.0	26.0		ug/L		104	72 - 120
Chloroethane	25.0	29.0		ug/L		116	69 - 136
Chloroform	25.0	24.3		ug/L		97	73 - 127
Chloromethane	25.0	23.0		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-95755-1

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

Lab Sample ID: LCS 480-289118/22

Matrix: Water

Analysis Batch: 289118

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	25.1		ug/L		100	74 - 124
Cyclohexane	25.0	21.7		ug/L		87	59 - 135
Dibromochloromethane	25.0	25.7		ug/L		103	75 - 125
Dichlorodifluoromethane	25.0	24.3		ug/L		97	59 - 135
Ethylbenzene	25.0	25.6		ug/L		102	77 - 123
Isopropylbenzene	25.0	25.9		ug/L		104	77 - 122
Methyl acetate	125	126		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	23.4		ug/L		94	64 - 127
Methylcyclohexane	25.0	22.2		ug/L		89	61 - 138
Methylene Chloride	25.0	23.2		ug/L		93	57 - 132
Styrene	25.0	26.8		ug/L		107	70 - 130
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	23.5		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	24.7		ug/L		99	72 - 123
Trichloroethene	25.0	23.8		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	22.5		ug/L		90	62 - 152
Vinyl chloride	25.0	24.6		ug/L		98	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		66 - 137
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	100		60 - 140
Toluene-d8 (Surr)	104		71 - 126

QC Association Summary

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

TestAmerica Job ID: 480-95755-1

GC/MS VOA

Analysis Batch: 289118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95755-1	WELL 1-2A	Total/NA	Water	8260C	
480-95755-2	WELL 1-3	Total/NA	Water	8260C	
480-95755-3	TRIP BLANK 022616	Total/NA	Water	8260C	
LCS 480-289118/22	Lab Control Sample	Total/NA	Water	8260C	
MB 480-289118/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-95755-1

Client Sample ID: WELL 1-2A

Date Collected: 02/26/16 09:20

Date Received: 02/29/16 09:00

Lab Sample ID: 480-95755-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289118	03/01/16 03:02	LCH	TAL BUF

Client Sample ID: WELL 1-3

Date Collected: 02/26/16 09:30

Date Received: 02/29/16 09:00

Lab Sample ID: 480-95755-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289118	03/01/16 03:25	LCH	TAL BUF

Client Sample ID: TRIP BLANK 022616

Date Collected: 02/26/16 00:00

Date Received: 02/29/16 09:00

Lab Sample ID: 480-95755-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289118	03/01/16 03:48	LCH	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: 480-95755-1

Laboratory: TestAmerica Buffalo

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

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

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

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

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

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

TestAmerica Job ID: 480-95755-1

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: 480-95755-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-95755-1	WELL 1-2A	Water	02/26/16 09:20	02/29/16 09:00
480-95755-2	WELL 1-3	Water	02/26/16 09:30	02/29/16 09:00
480-95755-3	TRIP BLANK 022616	Water	02/26/16 00:00	02/29/16 09:00

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-95755-1

Login Number: 95755

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (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	

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: 480-97194-1

Client Project/Site: NYSDEC-Standby VESTAL

For:

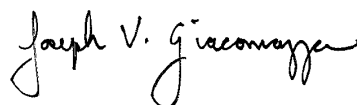
ARCADIS U.S. Inc

855 Route 146

Suite 210

Clifton Park, New York 12065

Attn: Jeremy Wyckoff



Authorized for release by:

4/8/2016 4:05:00 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager

(484)685-0868

judy.stone@testamericainc.com

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

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

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

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Definitions/Glossary

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

TestAmerica Job ID: 480-97194-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.
J	Indicates an estimated value.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
B	The analyte was found in an associated blank, as well as in the sample.

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: 480-97194-1

Job ID: 480-97194-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-97194-1

Receipt

The samples were received on 3/29/2016 12:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.8° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-293982 recovered above the upper control limit for 2-Butanone (MEK) and Acetone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: WELL 1-2A (480-97194-1), WELL 1-3 (480-97194-2), WELL 1-1 (480-97194-3), 4009-9 (480-97194-4), 4009-10 (480-97194-5), 4009-11 (480-97194-6), 4009-12 (480-97194-7), 4009-13 (480-97194-8), 4009-13A (480-97194-9), 4009-14 (480-97194-10), 4009-15 (480-97194-11), 4009-16 (480-97194-12) and 4009-16A (480-97194-13).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: WELL 1-1 (480-97194-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 480-294033 was outside the method criteria for the following analyte: 1,1-Dichloroethene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The following samples are impacted: 4009-27S (480-97194-18), 4009-29S (480-97194-22), 4009-29I (480-97194-23), 4009-29D (480-97194-24) and DUP-2 (480-97194-29).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-294033 recovered outside acceptance criteria, low biased, for Carbon disulfide. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: 4009-27S (480-97194-18), 4009-29S (480-97194-22), 4009-29I (480-97194-23), 4009-29D (480-97194-24) and DUP-2 (480-97194-29).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-294033 recovered outside acceptance criteria, low biased, for 1,1-Dichloroethene and Carbon disulfide. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The following samples are impacted: 4009-18 (480-97194-14), 4009-19 (480-97194-15), 4009-21 (480-97194-16), 4009-22 (480-97194-17), 4009-27I (480-97194-19), 4009-27D (480-97194-20), 4009-28 (480-97194-21), 4009-30 (480-97194-25), 4009-30A (480-97194-26), 4009-11A (480-97194-27), DUP-1 (480-97194-28), FIELD BLANK (480-97194-30) and TRIP BLANK (480-97194-31).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: 4009-29S (480-97194-22), 4009-29I (480-97194-23), DUP-2 (480-97194-29), (480-97194-C-22 MS) and (480-97194-C-22 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with analytical batch 294243 recovered above the upper control limit for the analytes 2-Butanone, 2-Hexanone and Acetone. The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported. 4009-29S (480-97194-22), 4009-29I (480-97194-23) and DUP-2 (480-97194-29).

Method(s) 8260C: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 294243 recovered outside control limits for the analyte Acetone. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported. 4009-29S (480-97194-22), 4009-29I (480-97194-23) and DUP-2 (480-97194-29).

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

Detection Summary

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-97194-1

No Detections.

Client Sample ID: WELL 1-3

Lab Sample ID: 480-97194-2

No Detections.

Client Sample ID: WELL 1-1

Lab Sample ID: 480-97194-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1,1-Trichloroethane	250		5.0	4.1	ug/L	5			8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	J	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	16		5.0	1.5	ug/L	5			8260C	Total/NA
cis-1,2-Dichloroethene	68		5.0	4.1	ug/L	5			8260C	Total/NA
Methylene Chloride	5.9	B	5.0	2.2	ug/L	5			8260C	Total/NA
Trichloroethene	59		5.0	2.3	ug/L	5			8260C	Total/NA

Client Sample ID: 4009-9

Lab Sample ID: 480-97194-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	3.5	J	10	3.0	ug/L	1			8260C	Total/NA
cis-1,2-Dichloroethene	4.0		1.0	0.81	ug/L	1			8260C	Total/NA
Trichloroethene	0.74	J	1.0	0.46	ug/L	1			8260C	Total/NA

Client Sample ID: 4009-10

Lab Sample ID: 480-97194-5

No Detections.

Client Sample ID: 4009-11

Lab Sample ID: 480-97194-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	0.76	J	1.0	0.38	ug/L	1			8260C	Total/NA
Acetone	4.4	J	10	3.0	ug/L	1			8260C	Total/NA
Benzene	18		1.0	0.41	ug/L	1			8260C	Total/NA
Toluene	0.79	J	1.0	0.51	ug/L	1			8260C	Total/NA

Client Sample ID: 4009-12

Lab Sample ID: 480-97194-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	3.1		1.0	0.38	ug/L	1			8260C	Total/NA
Benzene	6.7		1.0	0.41	ug/L	1			8260C	Total/NA
cis-1,2-Dichloroethene	1.5		1.0	0.81	ug/L	1			8260C	Total/NA
Methylene Chloride	0.50	J B	1.0	0.44	ug/L	1			8260C	Total/NA
Trichloroethene	0.77	J	1.0	0.46	ug/L	1			8260C	Total/NA
Vinyl chloride	1.7		1.0	0.90	ug/L	1			8260C	Total/NA

Client Sample ID: 4009-13

Lab Sample ID: 480-97194-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	3.2		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: 480-97194-1

Client Sample ID: 4009-13A

Lab Sample ID: 480-97194-9

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

Client Sample ID: 4009-14

Lab Sample ID: 480-97194-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	18		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	0.78	J	1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-15

Lab Sample ID: 480-97194-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.1	J	10	3.0	ug/L	1		8260C	Total/NA
Benzene	9.1		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	0.57	J	1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-16

Lab Sample ID: 480-97194-12

No Detections.

Client Sample ID: 4009-16A

Lab Sample ID: 480-97194-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.2		1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-18

Lab Sample ID: 480-97194-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.41	J	1.0	0.41	ug/L	1		8260C	Total/NA
Methylene Chloride	0.58	J	1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-19

Lab Sample ID: 480-97194-15

No Detections.

Client Sample ID: 4009-21

Lab Sample ID: 480-97194-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	31		1.0	0.41	ug/L	1		8260C	Total/NA
Methylene Chloride	0.64	J	1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-22

Lab Sample ID: 480-97194-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.6		1.0	0.41	ug/L	1		8260C	Total/NA
Methylene Chloride	0.46	J	1.0	0.44	ug/L	1		8260C	Total/NA
Toluene	0.92	J	1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-27S

Lab Sample ID: 480-97194-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	58		1.0	0.82	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-27S (Continued)

Lab Sample ID: 480-97194-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	2.9		1.0	0.31	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.4		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	4.5		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	22		1.0	0.81	ug/L	1		8260C	Total/NA
Methylene Chloride	0.48	J	1.0	0.44	ug/L	1		8260C	Total/NA
Trichloroethene	24		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-27I

Lab Sample ID: 480-97194-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.39	J	1.0	0.31	ug/L	1		8260C	Total/NA
Trichloroethene	1.4		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-27D

Lab Sample ID: 480-97194-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.60	J	1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-28

Lab Sample ID: 480-97194-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.9		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.0		1.0	0.38	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-29S

Lab Sample ID: 480-97194-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	740	E	1.0	0.82	ug/L	1		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	7.1		1.0	0.31	ug/L	1		8260C	Total/NA
1,1,2-Trichloroethane	0.49	J	1.0	0.23	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	58		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	45		1.0	0.29	ug/L	1		8260C	Total/NA
Chloroethane	1.5		1.0	0.32	ug/L	1		8260C	Total/NA
Chloroform	0.49	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	350	E	1.0	0.81	ug/L	1		8260C	Total/NA
Dichlorodifluoromethane	1.5		1.0	0.68	ug/L	1		8260C	Total/NA
Methylene Chloride	0.58	J	1.0	0.44	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.42	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	9.2		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	100	E	1.0	0.90	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane - DL	800		20	16	ug/L	20		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	11	J	20	6.2	ug/L	20		8260C	Total/NA
1,1-Dichloroethane - DL	66		20	7.6	ug/L	20		8260C	Total/NA
1,1-Dichloroethene - DL	54		20	5.8	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene - DL	390		20	16	ug/L	20		8260C	Total/NA
Methylene Chloride - DL	30		20	8.8	ug/L	20		8260C	Total/NA
Trichloroethene - DL	12	J	20	9.2	ug/L	20		8260C	Total/NA
Vinyl chloride - DL	120		20	18	ug/L	20		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: 480-97194-1

Client Sample ID: 4009-29I

Lab Sample ID: 480-97194-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1200	E	1.0	0.82	ug/L	1		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	14		1.0	0.31	ug/L	1		8260C	Total/NA
1,1,2-Trichloroethane	0.57	J	1.0	0.23	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	69		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	77		1.0	0.29	ug/L	1		8260C	Total/NA
Benzene	0.48	J	1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene	1.3		1.0	0.75	ug/L	1		8260C	Total/NA
Chloroethane	2.7		1.0	0.32	ug/L	1		8260C	Total/NA
Chloroform	0.77	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	340	E	1.0	0.81	ug/L	1		8260C	Total/NA
Dichlorodifluoromethane	1.9		1.0	0.68	ug/L	1		8260C	Total/NA
Methylene Chloride	0.60	J	1.0	0.44	ug/L	1		8260C	Total/NA
Tetrachloroethene	1.8		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.3		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	380	E	1.0	0.46	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	0.92	J	1.0	0.88	ug/L	1		8260C	Total/NA
Vinyl chloride	94		1.0	0.90	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane - DL	1400		25	21	ug/L	25		8260C	Total/NA
1,1-Dichloroethane - DL	91		25	9.5	ug/L	25		8260C	Total/NA
1,1-Dichloroethene - DL	99		25	7.3	ug/L	25		8260C	Total/NA
cis-1,2-Dichloroethene - DL	420		25	20	ug/L	25		8260C	Total/NA
Methylene Chloride - DL	39		25	11	ug/L	25		8260C	Total/NA
Trichloroethene - DL	450		25	12	ug/L	25		8260C	Total/NA
Vinyl chloride - DL	130		25	23	ug/L	25		8260C	Total/NA

Client Sample ID: 4009-29D

Lab Sample ID: 480-97194-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	23		1.0	0.82	ug/L	1		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	0.40	J	1.0	0.31	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	5.5		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	2.0		1.0	0.29	ug/L	1		8260C	Total/NA
Chloroethane	1.2		1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	9.9		1.0	0.81	ug/L	1		8260C	Total/NA
Methylene Chloride	0.48	J	1.0	0.44	ug/L	1		8260C	Total/NA
Trichloroethene	3.3		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	8.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-30

Lab Sample ID: 480-97194-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.91	J	1.0	0.38	ug/L	1		8260C	Total/NA
Methylene Chloride	0.49	J	1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-30A

Lab Sample ID: 480-97194-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.2		1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: 4009-11A

Lab Sample ID: 480-97194-27

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: 480-97194-1

Client Sample ID: 4009-11A (Continued)

Lab Sample ID: 480-97194-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.6	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: DUP-1

Lab Sample ID: 480-97194-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.1		1.0	0.38	ug/L	1		8260C	Total/NA
Benzene	6.4		1.0	0.41	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.7		1.0	0.81	ug/L	1		8260C	Total/NA
Methylene Chloride	0.48	J	1.0	0.44	ug/L	1		8260C	Total/NA
Trichloroethene	0.83	J	1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.7		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: DUP-2

Lab Sample ID: 480-97194-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1200	E	1.0	0.82	ug/L	1		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	15		1.0	0.31	ug/L	1		8260C	Total/NA
1,1,2-Trichloroethane	0.77	J	1.0	0.23	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	73		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	81		1.0	0.29	ug/L	1		8260C	Total/NA
Benzene	0.57	J	1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene	1.5		1.0	0.75	ug/L	1		8260C	Total/NA
Chloroethane	3.1		1.0	0.32	ug/L	1		8260C	Total/NA
Chloroform	0.80	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	360	E	1.0	0.81	ug/L	1		8260C	Total/NA
Dichlorodifluoromethane	2.1		1.0	0.68	ug/L	1		8260C	Total/NA
Methylene Chloride	0.48	J	1.0	0.44	ug/L	1		8260C	Total/NA
Tetrachloroethene	1.8		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.2		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	400	E	1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	99		1.0	0.90	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane - DL	1300		25	21	ug/L	25		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	16	J	25	7.8	ug/L	25		8260C	Total/NA
1,1-Dichloroethane - DL	78		25	9.5	ug/L	25		8260C	Total/NA
1,1-Dichloroethene - DL	92		25	7.3	ug/L	25		8260C	Total/NA
cis-1,2-Dichloroethene - DL	400		25	20	ug/L	25		8260C	Total/NA
Methylene Chloride - DL	41		25	11	ug/L	25		8260C	Total/NA
Trichloroethene - DL	410		25	12	ug/L	25		8260C	Total/NA
Vinyl chloride - DL	100		25	23	ug/L	25		8260C	Total/NA

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-97194-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.44	J	1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-97194-31

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: WELL 1-2A

Lab Sample ID: 480-97194-1

Date Collected: 03/28/16 13:10

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 00:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 00:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 00:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 00:50	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 00:50	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 00:50	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 00:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 00:50	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 00:50	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 00:50	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 00:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 00:50	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 00:50	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 00:50	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 00:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 00:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 00:50	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 00:50	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 00:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 00:50	1
Acetone	10	U	10	3.0	ug/L			04/05/16 00:50	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 00:50	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 00:50	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 00:50	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 00:50	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 00:50	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 00:50	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 00:50	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 00:50	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 00:50	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 00:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 00:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 00:50	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 00:50	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 00:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 00:50	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 00:50	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 00:50	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 00:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 00:50	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 00:50	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 00:50	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 00:50	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 00:50	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 00:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 00:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 00:50	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 00:50	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 00:50	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: WELL 1-2A

Date Collected: 03/28/16 13:10

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-1

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			04/05/16 00:50	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 00:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137					04/05/16 00:50	1
4-Bromofluorobenzene (Surr)	93		73 - 120					04/05/16 00:50	1
Dibromofluoromethane (Surr)	96		60 - 140					04/05/16 00:50	1
Toluene-d8 (Surr)	88		71 - 126					04/05/16 00:50	1

Client Sample ID: WELL 1-3

Date Collected: 03/28/16 13:00

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-2

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			04/05/16 01:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 01:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 01:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 01:14	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 01:14	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 01:14	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 01:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 01:14	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 01:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 01:14	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 01:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 01:14	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 01:14	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 01:14	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 01:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 01:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 01:14	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 01:14	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 01:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 01:14	1
Acetone	10	U	10	3.0	ug/L			04/05/16 01:14	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 01:14	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 01:14	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 01:14	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 01:14	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 01:14	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 01:14	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 01:14	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 01:14	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 01:14	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 01:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 01:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 01:14	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 01:14	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 01:14	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: WELL 1-3

Lab Sample ID: 480-97194-2

Date Collected: 03/28/16 13:00

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 01:14	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 01:14	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 01:14	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 01:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 01:14	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 01:14	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 01:14	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 01:14	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 01:14	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 01:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 01:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 01:14	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 01:14	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 01:14	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 01:14	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 01:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 137		04/05/16 01:14	1
4-Bromofluorobenzene (Surr)	93		73 - 120		04/05/16 01:14	1
Dibromofluoromethane (Surr)	97		60 - 140		04/05/16 01:14	1
Toluene-d8 (Surr)	91		71 - 126		04/05/16 01:14	1

Client Sample ID: WELL 1-1

Lab Sample ID: 480-97194-3

Date Collected: 03/28/16 09:20

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	250		5.0	4.1	ug/L			04/05/16 01:37	5
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1.1	ug/L			04/05/16 01:37	5
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	J	5.0	1.6	ug/L			04/05/16 01:37	5
1,1,2-Trichloroethane	5.0	U	5.0	1.2	ug/L			04/05/16 01:37	5
1,1-Dichloroethane	22		5.0	1.9	ug/L			04/05/16 01:37	5
1,1-Dichloroethene	16		5.0	1.5	ug/L			04/05/16 01:37	5
1,2,3-Trimethylbenzene	5.0	U	5.0	1.3	ug/L			04/05/16 01:37	5
1,2,4-Trichlorobenzene	5.0	U	5.0	2.1	ug/L			04/05/16 01:37	5
1,2,4-Trimethylbenzene	5.0	U	5.0	3.8	ug/L			04/05/16 01:37	5
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.0	ug/L			04/05/16 01:37	5
1,2-Dibromoethane	5.0	U	5.0	3.7	ug/L			04/05/16 01:37	5
1,2-Dichlorobenzene	5.0	U	5.0	4.0	ug/L			04/05/16 01:37	5
1,2-Dichloroethane	5.0	U	5.0	1.1	ug/L			04/05/16 01:37	5
1,2-Dichloropropane	5.0	U	5.0	3.6	ug/L			04/05/16 01:37	5
1,3,5-Trimethylbenzene	5.0	U	5.0	3.9	ug/L			04/05/16 01:37	5
1,3-Dichlorobenzene	5.0	U	5.0	3.9	ug/L			04/05/16 01:37	5
1,4-Dichlorobenzene	5.0	U	5.0	4.2	ug/L			04/05/16 01:37	5
2-Butanone (MEK)	50	U	50	6.6	ug/L			04/05/16 01:37	5
2-Hexanone	25	U	25	6.2	ug/L			04/05/16 01:37	5
4-Methyl-2-pentanone (MIBK)	25	U	25	11	ug/L			04/05/16 01:37	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: WELL 1-1

Lab Sample ID: 480-97194-3

Date Collected: 03/28/16 09:20

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	50	U	50	15	ug/L			04/05/16 01:37	5
Benzene	5.0	U	5.0	2.1	ug/L			04/05/16 01:37	5
Bromodichloromethane	5.0	U	5.0	2.0	ug/L			04/05/16 01:37	5
Bromoform	5.0	U	5.0	1.3	ug/L			04/05/16 01:37	5
Bromomethane	5.0	U	5.0	3.5	ug/L			04/05/16 01:37	5
Carbon disulfide	5.0	U	5.0	0.95	ug/L			04/05/16 01:37	5
Carbon tetrachloride	5.0	U	5.0	1.4	ug/L			04/05/16 01:37	5
Chlorobenzene	5.0	U	5.0	3.8	ug/L			04/05/16 01:37	5
Chloroethane	5.0	U	5.0	1.6	ug/L			04/05/16 01:37	5
Chloroform	5.0	U	5.0	1.7	ug/L			04/05/16 01:37	5
Chloromethane	5.0	U	5.0	1.8	ug/L			04/05/16 01:37	5
cis-1,2-Dichloroethene	68		5.0	4.1	ug/L			04/05/16 01:37	5
cis-1,3-Dichloropropene	5.0	U	5.0	1.8	ug/L			04/05/16 01:37	5
Cyclohexane	5.0	U	5.0	0.90	ug/L			04/05/16 01:37	5
Dibromochloromethane	5.0	U	5.0	1.6	ug/L			04/05/16 01:37	5
Dichlorodifluoromethane	5.0	U	5.0	3.4	ug/L			04/05/16 01:37	5
Ethylbenzene	5.0	U	5.0	3.7	ug/L			04/05/16 01:37	5
Isopropylbenzene	5.0	U	5.0	4.0	ug/L			04/05/16 01:37	5
Methyl acetate	13	U	13	6.5	ug/L			04/05/16 01:37	5
Methyl tert-butyl ether	5.0	U	5.0	0.80	ug/L			04/05/16 01:37	5
Methylcyclohexane	5.0	U	5.0	0.80	ug/L			04/05/16 01:37	5
Methylene Chloride	5.9 B		5.0	2.2	ug/L			04/05/16 01:37	5
Styrene	5.0	U	5.0	3.7	ug/L			04/05/16 01:37	5
Tetrachloroethene	5.0	U	5.0	1.8	ug/L			04/05/16 01:37	5
Toluene	5.0	U	5.0	2.6	ug/L			04/05/16 01:37	5
trans-1,2-Dichloroethene	5.0	U	5.0	4.5	ug/L			04/05/16 01:37	5
trans-1,3-Dichloropropene	5.0	U	5.0	1.9	ug/L			04/05/16 01:37	5
Trichloroethene	59		5.0	2.3	ug/L			04/05/16 01:37	5
Trichlorofluoromethane	5.0	U	5.0	4.4	ug/L			04/05/16 01:37	5
Vinyl chloride	5.0	U	5.0	4.5	ug/L			04/05/16 01:37	5
Xylenes, Total	10	U	10	3.3	ug/L			04/05/16 01:37	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 137		04/05/16 01:37	5
4-Bromofluorobenzene (Surr)	91		73 - 120		04/05/16 01:37	5
Dibromofluoromethane (Surr)	97		60 - 140		04/05/16 01:37	5
Toluene-d8 (Surr)	89		71 - 126		04/05/16 01:37	5

Client Sample ID: 4009-9

Lab Sample ID: 480-97194-4

Date Collected: 03/28/16 10:15

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 02:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 02:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 02:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 02:01	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 02:01	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 02:01	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-9

Lab Sample ID: 480-97194-4

Date Collected: 03/28/16 10:15

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 02:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 02:01	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 02:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 02:01	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 02:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 02:01	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 02:01	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 02:01	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 02:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 02:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 02:01	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 02:01	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 02:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 02:01	1
Acetone	3.5	J	10	3.0	ug/L			04/05/16 02:01	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 02:01	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 02:01	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 02:01	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 02:01	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 02:01	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 02:01	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 02:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 02:01	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 02:01	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 02:01	1
cis-1,2-Dichloroethene	4.0		1.0	0.81	ug/L			04/05/16 02:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 02:01	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 02:01	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 02:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 02:01	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 02:01	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 02:01	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 02:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 02:01	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 02:01	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 02:01	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 02:01	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 02:01	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 02:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 02:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 02:01	1
Trichloroethene	0.74	J	1.0	0.46	ug/L			04/05/16 02:01	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 02:01	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 02:01	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		04/05/16 02:01	1
4-Bromofluorobenzene (Surr)	91		73 - 120		04/05/16 02:01	1
Dibromofluoromethane (Surr)	98		60 - 140		04/05/16 02:01	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-9

Date Collected: 03/28/16 10:15

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-4

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		71 - 126		04/05/16 02:01	1

Client Sample ID: 4009-10

Date Collected: 03/28/16 10:20

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-5

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			04/05/16 02:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 02:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 02:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 02:25	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 02:25	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 02:25	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 02:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 02:25	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 02:25	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 02:25	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 02:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 02:25	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 02:25	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 02:25	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 02:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 02:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 02:25	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 02:25	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 02:25	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 02:25	1
Acetone	10	U	10	3.0	ug/L			04/05/16 02:25	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 02:25	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 02:25	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 02:25	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 02:25	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 02:25	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 02:25	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 02:25	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 02:25	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 02:25	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 02:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 02:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 02:25	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 02:25	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 02:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 02:25	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 02:25	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 02:25	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 02:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 02:25	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 02:25	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-10

Lab Sample ID: 480-97194-5

Date Collected: 03/28/16 10:20

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 02:25	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 02:25	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 02:25	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 02:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 02:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 02:25	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 02:25	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 02:25	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 02:25	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 02:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		66 - 137		04/05/16 02:25	1
4-Bromofluorobenzene (Surr)	94		73 - 120		04/05/16 02:25	1
Dibromofluoromethane (Surr)	96		60 - 140		04/05/16 02:25	1
Toluene-d8 (Surr)	91		71 - 126		04/05/16 02:25	1

Client Sample ID: 4009-11

Lab Sample ID: 480-97194-6

Date Collected: 03/28/16 10:25

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 02:48	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 02:48	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 02:48	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 02:48	1
1,1-Dichloroethane	0.76	J	1.0	0.38	ug/L			04/05/16 02:48	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 02:48	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 02:48	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 02:48	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 02:48	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 02:48	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 02:48	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 02:48	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 02:48	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 02:48	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 02:48	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 02:48	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 02:48	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 02:48	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 02:48	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 02:48	1
Acetone	4.4	J	10	3.0	ug/L			04/05/16 02:48	1
Benzene	18		1.0	0.41	ug/L			04/05/16 02:48	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 02:48	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 02:48	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 02:48	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 02:48	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 02:48	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-11

Lab Sample ID: 480-97194-6

Date Collected: 03/28/16 10:25

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 02:48	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 02:48	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 02:48	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 02:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 02:48	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 02:48	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 02:48	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 02:48	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 02:48	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 02:48	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 02:48	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 02:48	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 02:48	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 02:48	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 02:48	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 02:48	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 02:48	1
Toluene	0.79	J	1.0	0.51	ug/L			04/05/16 02:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 02:48	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 02:48	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 02:48	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 02:48	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 02:48	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 02:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		66 - 137		04/05/16 02:48	1
4-Bromofluorobenzene (Surr)	92		73 - 120		04/05/16 02:48	1
Dibromofluoromethane (Surr)	95		60 - 140		04/05/16 02:48	1
Toluene-d8 (Surr)	90		71 - 126		04/05/16 02:48	1

Client Sample ID: 4009-12

Lab Sample ID: 480-97194-7

Date Collected: 03/28/16 09:30

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 03:12	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 03:12	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 03:12	1
1,1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 03:12	1
1,1-Dichloroethane	3.1		1.0	0.38	ug/L			04/05/16 03:12	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 03:12	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 03:12	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 03:12	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 03:12	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 03:12	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 03:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 03:12	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 03:12	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-12

Lab Sample ID: 480-97194-7

Date Collected: 03/28/16 09:30

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 03:12	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 03:12	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 03:12	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 03:12	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 03:12	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 03:12	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 03:12	1
Acetone	10	U	10	3.0	ug/L			04/05/16 03:12	1
Benzene	6.7		1.0	0.41	ug/L			04/05/16 03:12	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 03:12	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 03:12	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 03:12	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 03:12	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 03:12	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 03:12	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 03:12	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 03:12	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 03:12	1
cis-1,2-Dichloroethene	1.5		1.0	0.81	ug/L			04/05/16 03:12	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 03:12	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 03:12	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 03:12	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 03:12	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 03:12	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 03:12	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 03:12	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 03:12	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 03:12	1
Methylene Chloride	0.50	J B	1.0	0.44	ug/L			04/05/16 03:12	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 03:12	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 03:12	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 03:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 03:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 03:12	1
Trichloroethene	0.77	J	1.0	0.46	ug/L			04/05/16 03:12	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 03:12	1
Vinyl chloride	1.7		1.0	0.90	ug/L			04/05/16 03:12	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		04/05/16 03:12	1
4-Bromofluorobenzene (Surr)	93		73 - 120		04/05/16 03:12	1
Dibromofluoromethane (Surr)	99		60 - 140		04/05/16 03:12	1
Toluene-d8 (Surr)	90		71 - 126		04/05/16 03:12	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-13

Lab Sample ID: 480-97194-8

Date Collected: 03/28/16 10:05

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 03:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 03:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 03:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 03:36	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 03:36	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 03:36	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 03:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 03:36	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 03:36	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 03:36	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 03:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 03:36	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 03:36	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 03:36	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 03:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 03:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 03:36	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 03:36	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 03:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 03:36	1
Acetone	10	U	10	3.0	ug/L			04/05/16 03:36	1
Benzene	3.2		1.0	0.41	ug/L			04/05/16 03:36	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 03:36	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 03:36	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 03:36	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 03:36	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 03:36	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 03:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 03:36	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 03:36	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 03:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 03:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 03:36	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 03:36	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 03:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 03:36	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 03:36	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 03:36	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 03:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 03:36	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 03:36	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 03:36	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 03:36	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 03:36	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 03:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 03:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 03:36	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 03:36	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 03:36	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-13

Date Collected: 03/28/16 10:05

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-8

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			04/05/16 03:36	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 03:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137					04/05/16 03:36	1
4-Bromofluorobenzene (Surr)	93		73 - 120					04/05/16 03:36	1
Dibromofluoromethane (Surr)	97		60 - 140					04/05/16 03:36	1
Toluene-d8 (Surr)	90		71 - 126					04/05/16 03:36	1

Client Sample ID: 4009-13A

Date Collected: 03/28/16 10:10

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-9

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			04/05/16 03:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 03:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 03:59	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 03:59	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 03:59	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 03:59	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 03:59	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 03:59	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 03:59	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 03:59	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 03:59	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 03:59	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 03:59	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 03:59	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 03:59	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 03:59	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 03:59	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 03:59	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 03:59	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 03:59	1
Acetone	10	U	10	3.0	ug/L			04/05/16 03:59	1
Benzene	1.2		1.0	0.41	ug/L			04/05/16 03:59	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 03:59	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 03:59	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 03:59	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 03:59	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 03:59	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 03:59	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 03:59	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 03:59	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 03:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 03:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 03:59	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 03:59	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 03:59	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-13A

Lab Sample ID: 480-97194-9

Date Collected: 03/28/16 10:10

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 03:59	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 03:59	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 03:59	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 03:59	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 03:59	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 03:59	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 03:59	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 03:59	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 03:59	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 03:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 03:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 03:59	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 03:59	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 03:59	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 03:59	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 03:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		66 - 137		04/05/16 03:59	1
4-Bromofluorobenzene (Surr)	93		73 - 120		04/05/16 03:59	1
Dibromofluoromethane (Surr)	97		60 - 140		04/05/16 03:59	1
Toluene-d8 (Surr)	90		71 - 126		04/05/16 03:59	1

Client Sample ID: 4009-14

Lab Sample ID: 480-97194-10

Date Collected: 03/28/16 08:25

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 05:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 05:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 05:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 05:34	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 05:34	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 05:34	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 05:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 05:34	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 05:34	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 05:34	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 05:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 05:34	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 05:34	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 05:34	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 05:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 05:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 05:34	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 05:34	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 05:34	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 05:34	1
Acetone	10	U	10	3.0	ug/L			04/05/16 05:34	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-14

Lab Sample ID: 480-97194-10

Date Collected: 03/28/16 08:25

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	18		1.0	0.41	ug/L			04/05/16 05:34	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 05:34	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 05:34	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 05:34	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 05:34	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 05:34	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 05:34	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 05:34	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 05:34	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 05:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 05:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 05:34	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 05:34	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 05:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 05:34	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 05:34	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 05:34	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 05:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 05:34	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 05:34	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 05:34	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 05:34	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 05:34	1
Toluene	0.78 J		1.0	0.51	ug/L			04/05/16 05:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 05:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 05:34	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 05:34	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 05:34	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 05:34	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 05:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		04/05/16 05:34	1
4-Bromofluorobenzene (Surr)	93		73 - 120		04/05/16 05:34	1
Dibromofluoromethane (Surr)	98		60 - 140		04/05/16 05:34	1
Toluene-d8 (Surr)	88		71 - 126		04/05/16 05:34	1

Client Sample ID: 4009-15

Lab Sample ID: 480-97194-11

Date Collected: 03/28/16 09:15

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 04:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 04:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 04:23	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 04:23	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 04:23	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 04:23	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 04:23	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-15

Lab Sample ID: 480-97194-11

Date Collected: 03/28/16 09:15

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 04:23	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 04:23	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 04:23	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 04:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 04:23	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 04:23	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 04:23	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 04:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 04:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 04:23	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 04:23	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 04:23	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 04:23	1
Acetone	5.1	J	10	3.0	ug/L			04/05/16 04:23	1
Benzene	9.1		1.0	0.41	ug/L			04/05/16 04:23	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 04:23	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 04:23	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 04:23	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 04:23	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 04:23	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 04:23	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 04:23	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 04:23	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 04:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 04:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 04:23	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 04:23	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 04:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 04:23	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 04:23	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 04:23	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 04:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 04:23	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 04:23	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 04:23	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 04:23	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 04:23	1
Toluene	0.57	J	1.0	0.51	ug/L			04/05/16 04:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 04:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 04:23	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 04:23	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 04:23	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 04:23	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 04:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		04/05/16 04:23	1
4-Bromofluorobenzene (Surr)	95		73 - 120		04/05/16 04:23	1
Dibromofluoromethane (Surr)	97		60 - 140		04/05/16 04:23	1
Toluene-d8 (Surr)	89		71 - 126		04/05/16 04:23	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-16

Lab Sample ID: 480-97194-12

Date Collected: 03/28/16 09:00

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 04:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 04:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 04:47	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 04:47	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 04:47	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 04:47	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 04:47	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 04:47	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 04:47	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 04:47	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 04:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 04:47	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 04:47	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 04:47	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 04:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 04:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 04:47	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 04:47	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 04:47	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 04:47	1
Acetone	10	U	10	3.0	ug/L			04/05/16 04:47	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 04:47	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 04:47	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 04:47	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 04:47	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 04:47	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 04:47	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 04:47	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 04:47	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 04:47	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 04:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 04:47	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 04:47	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 04:47	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 04:47	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 04:47	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 04:47	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 04:47	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 04:47	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 04:47	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 04:47	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 04:47	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 04:47	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 04:47	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 04:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 04:47	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 04:47	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 04:47	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 04:47	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-16

Lab Sample ID: 480-97194-12

Date Collected: 03/28/16 09:00

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 04:47	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 04:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137					04/05/16 04:47	1
4-Bromofluorobenzene (Surr)	91		73 - 120					04/05/16 04:47	1
Dibromofluoromethane (Surr)	98		60 - 140					04/05/16 04:47	1
Toluene-d8 (Surr)	89		71 - 126					04/05/16 04:47	1

Client Sample ID: 4009-16A

Lab Sample ID: 480-97194-13

Date Collected: 03/28/16 08:55

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 05:10	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 05:10	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 05:10	1
1,1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 05:10	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 05:10	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 05:10	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 05:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 05:10	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 05:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 05:10	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 05:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 05:10	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 05:10	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 05:10	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 05:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 05:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 05:10	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 05:10	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 05:10	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 05:10	1
Acetone	10	U	10	3.0	ug/L			04/05/16 05:10	1
Benzene	4.2		1.0	0.41	ug/L			04/05/16 05:10	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 05:10	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 05:10	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 05:10	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 05:10	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 05:10	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 05:10	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 05:10	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 05:10	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 05:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 05:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 05:10	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 05:10	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 05:10	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-16A

Lab Sample ID: 480-97194-13

Date Collected: 03/28/16 08:55

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 05:10	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 05:10	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 05:10	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 05:10	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 05:10	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 05:10	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 05:10	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 05:10	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 05:10	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 05:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 05:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 05:10	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 05:10	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 05:10	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 05:10	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 05:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		04/05/16 05:10	1
4-Bromofluorobenzene (Surr)	91		73 - 120		04/05/16 05:10	1
Dibromofluoromethane (Surr)	100		60 - 140		04/05/16 05:10	1
Toluene-d8 (Surr)	87		71 - 126		04/05/16 05:10	1

Client Sample ID: 4009-18

Lab Sample ID: 480-97194-14

Date Collected: 03/28/16 08:30

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 11:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 11:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 11:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 11:50	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 11:50	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 11:50	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 11:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 11:50	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 11:50	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 11:50	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 11:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 11:50	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 11:50	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 11:50	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 11:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 11:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 11:50	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 11:50	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 11:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 11:50	1
Acetone	10	U	10	3.0	ug/L			04/05/16 11:50	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-18

Lab Sample ID: 480-97194-14

Date Collected: 03/28/16 08:30

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.41	J	1.0	0.41	ug/L			04/05/16 11:50	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 11:50	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 11:50	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 11:50	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 11:50	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 11:50	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 11:50	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 11:50	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 11:50	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 11:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 11:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 11:50	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 11:50	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 11:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 11:50	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 11:50	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 11:50	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 11:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 11:50	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 11:50	1
Methylene Chloride	0.58	J	1.0	0.44	ug/L			04/05/16 11:50	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 11:50	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 11:50	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 11:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 11:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 11:50	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 11:50	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 11:50	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 11:50	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 11:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 137		04/05/16 11:50	1
4-Bromofluorobenzene (Surr)	93		73 - 120		04/05/16 11:50	1
Dibromofluoromethane (Surr)	99		60 - 140		04/05/16 11:50	1
Toluene-d8 (Surr)	89		71 - 126		04/05/16 11:50	1

Client Sample ID: 4009-19

Lab Sample ID: 480-97194-15

Date Collected: 03/28/16 08:50

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 12:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 12:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 12:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 12:14	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 12:14	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 12:14	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 12:14	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-19

Lab Sample ID: 480-97194-15

Date Collected: 03/28/16 08:50

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 12:14	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 12:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 12:14	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 12:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 12:14	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 12:14	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 12:14	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 12:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 12:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 12:14	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 12:14	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 12:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 12:14	1
Acetone	10	U	10	3.0	ug/L			04/05/16 12:14	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 12:14	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 12:14	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 12:14	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 12:14	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 12:14	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 12:14	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 12:14	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 12:14	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 12:14	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 12:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 12:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 12:14	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 12:14	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 12:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 12:14	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 12:14	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 12:14	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 12:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 12:14	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 12:14	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 12:14	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 12:14	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 12:14	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 12:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 12:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 12:14	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 12:14	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 12:14	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 12:14	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		66 - 137		04/05/16 12:14	1
4-Bromofluorobenzene (Surr)	94		73 - 120		04/05/16 12:14	1
Dibromofluoromethane (Surr)	96		60 - 140		04/05/16 12:14	1
Toluene-d8 (Surr)	90		71 - 126		04/05/16 12:14	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-21

Lab Sample ID: 480-97194-16

Date Collected: 03/28/16 08:45

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 12:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 12:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 12:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 12:38	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 12:38	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 12:38	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 12:38	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 12:38	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 12:38	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 12:38	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 12:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 12:38	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 12:38	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 12:38	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 12:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 12:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 12:38	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 12:38	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 12:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 12:38	1
Acetone	10	U	10	3.0	ug/L			04/05/16 12:38	1
Benzene	31		1.0	0.41	ug/L			04/05/16 12:38	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 12:38	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 12:38	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 12:38	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 12:38	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 12:38	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 12:38	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 12:38	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 12:38	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 12:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 12:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 12:38	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 12:38	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 12:38	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 12:38	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 12:38	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 12:38	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 12:38	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 12:38	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 12:38	1
Methylene Chloride	0.64	J	1.0	0.44	ug/L			04/05/16 12:38	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 12:38	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 12:38	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 12:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 12:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 12:38	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 12:38	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 12:38	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-21

Lab Sample ID: 480-97194-16

Date Collected: 03/28/16 08:45

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 12:38	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 12:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		66 - 137					04/05/16 12:38	1
4-Bromofluorobenzene (Surr)	92		73 - 120					04/05/16 12:38	1
Dibromofluoromethane (Surr)	96		60 - 140					04/05/16 12:38	1
Toluene-d8 (Surr)	88		71 - 126					04/05/16 12:38	1

Client Sample ID: 4009-22

Lab Sample ID: 480-97194-17

Date Collected: 03/28/16 08:20

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 13:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 13:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 13:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 13:02	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 13:02	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 13:02	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 13:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 13:02	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 13:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 13:02	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 13:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 13:02	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 13:02	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 13:02	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 13:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 13:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 13:02	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 13:02	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 13:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 13:02	1
Acetone	10	U	10	3.0	ug/L			04/05/16 13:02	1
Benzene	1.6		1.0	0.41	ug/L			04/05/16 13:02	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 13:02	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 13:02	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 13:02	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 13:02	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 13:02	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 13:02	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 13:02	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 13:02	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 13:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 13:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 13:02	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 13:02	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 13:02	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-22

Lab Sample ID: 480-97194-17

Date Collected: 03/28/16 08:20

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 13:02	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 13:02	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 13:02	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 13:02	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 13:02	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 13:02	1
Methylene Chloride	0.46	J	1.0	0.44	ug/L			04/05/16 13:02	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 13:02	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 13:02	1
Toluene	0.92	J	1.0	0.51	ug/L			04/05/16 13:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 13:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 13:02	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 13:02	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 13:02	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 13:02	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		04/05/16 13:02	1
4-Bromofluorobenzene (Surr)	94		73 - 120		04/05/16 13:02	1
Dibromofluoromethane (Surr)	96		60 - 140		04/05/16 13:02	1
Toluene-d8 (Surr)	89		71 - 126		04/05/16 13:02	1

Client Sample ID: 4009-27S

Lab Sample ID: 480-97194-18

Date Collected: 03/28/16 09:50

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	58		1.0	0.82	ug/L			04/05/16 13:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 13:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	2.9		1.0	0.31	ug/L			04/05/16 13:26	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 13:26	1
1,1-Dichloroethane	2.4		1.0	0.38	ug/L			04/05/16 13:26	1
1,1-Dichloroethene	4.5		1.0	0.29	ug/L			04/05/16 13:26	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 13:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 13:26	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 13:26	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 13:26	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 13:26	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 13:26	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 13:26	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 13:26	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 13:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 13:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 13:26	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 13:26	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 13:26	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 13:26	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-27S

Lab Sample ID: 480-97194-18

Date Collected: 03/28/16 09:50

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 13:26	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 13:26	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 13:26	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 13:26	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 13:26	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 13:26	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 13:26	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 13:26	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 13:26	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 13:26	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 13:26	1
cis-1,2-Dichloroethene	22		1.0	0.81	ug/L			04/05/16 13:26	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 13:26	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 13:26	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 13:26	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 13:26	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 13:26	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 13:26	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 13:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 13:26	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 13:26	1
Methylene Chloride	0.48	J	1.0	0.44	ug/L			04/05/16 13:26	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 13:26	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 13:26	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 13:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 13:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 13:26	1
Trichloroethene	24		1.0	0.46	ug/L			04/05/16 13:26	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 13:26	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 13:26	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 13:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137					04/05/16 13:26	1
4-Bromofluorobenzene (Surr)	93		73 - 120					04/05/16 13:26	1
Dibromofluoromethane (Surr)	99		60 - 140					04/05/16 13:26	1
Toluene-d8 (Surr)	90		71 - 126					04/05/16 13:26	1

Client Sample ID: 4009-27I

Lab Sample ID: 480-97194-19

Date Collected: 03/28/16 09:55

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 13:50	1
1,1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 13:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.39	J	1.0	0.31	ug/L			04/05/16 13:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 13:50	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 13:50	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-271

Lab Sample ID: 480-97194-19

Date Collected: 03/28/16 09:55

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 13:50	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 13:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 13:50	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 13:50	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 13:50	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 13:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 13:50	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 13:50	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 13:50	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 13:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 13:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 13:50	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 13:50	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 13:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 13:50	1
Acetone	10	U	10	3.0	ug/L			04/05/16 13:50	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 13:50	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 13:50	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 13:50	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 13:50	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 13:50	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 13:50	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 13:50	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 13:50	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 13:50	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 13:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 13:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 13:50	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 13:50	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 13:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 13:50	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 13:50	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 13:50	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 13:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 13:50	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 13:50	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 13:50	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 13:50	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 13:50	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 13:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 13:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 13:50	1
Trichloroethene	1.4		1.0	0.46	ug/L			04/05/16 13:50	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 13:50	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 13:50	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		04/05/16 13:50	1
4-Bromofluorobenzene (Surr)	94		73 - 120		04/05/16 13:50	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-27I

Lab Sample ID: 480-97194-19

Date Collected: 03/28/16 09:55

Matrix: Water

Date Received: 03/29/16 00:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		60 - 140		04/05/16 13:50	1
Toluene-d8 (Surr)	91		71 - 126		04/05/16 13:50	1

Client Sample ID: 4009-27D

Lab Sample ID: 480-97194-20

Date Collected: 03/28/16 10:00

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 14:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 14:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 14:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 14:14	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 14:14	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 14:14	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 14:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 14:14	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 14:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 14:14	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 14:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 14:14	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 14:14	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 14:14	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 14:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 14:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 14:14	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 14:14	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 14:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 14:14	1
Acetone	10	U	10	3.0	ug/L			04/05/16 14:14	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 14:14	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 14:14	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 14:14	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 14:14	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 14:14	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 14:14	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 14:14	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 14:14	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 14:14	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 14:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 14:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 14:14	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 14:14	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 14:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 14:14	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 14:14	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 14:14	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 14:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 14:14	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-27D

Lab Sample ID: 480-97194-20

Date Collected: 03/28/16 10:00

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 14:14	1
Methylene Chloride	0.60	J	1.0	0.44	ug/L			04/05/16 14:14	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 14:14	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 14:14	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 14:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 14:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 14:14	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 14:14	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 14:14	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 14:14	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		66 - 137		04/05/16 14:14	1
4-Bromofluorobenzene (Surr)	90		73 - 120		04/05/16 14:14	1
Dibromofluoromethane (Surr)	95		60 - 140		04/05/16 14:14	1
Toluene-d8 (Surr)	88		71 - 126		04/05/16 14:14	1

Client Sample ID: 4009-28

Lab Sample ID: 480-97194-21

Date Collected: 03/28/16 08:15

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.9		1.0	0.82	ug/L			04/05/16 14:38	1
1,1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 14:38	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 14:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 14:38	1
1,1-Dichloroethane	1.0		1.0	0.38	ug/L			04/05/16 14:38	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 14:38	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 14:38	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 14:38	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 14:38	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 14:38	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 14:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 14:38	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 14:38	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 14:38	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 14:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 14:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 14:38	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 14:38	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 14:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 14:38	1
Acetone	10	U	10	3.0	ug/L			04/05/16 14:38	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 14:38	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 14:38	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 14:38	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 14:38	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 14:38	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-28

Lab Sample ID: 480-97194-21

Date Collected: 03/28/16 08:15

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 14:38	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 14:38	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 14:38	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 14:38	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 14:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 14:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 14:38	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 14:38	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 14:38	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 14:38	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 14:38	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 14:38	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 14:38	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 14:38	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 14:38	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 14:38	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 14:38	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 14:38	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 14:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 14:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 14:38	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 14:38	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 14:38	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 14:38	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		04/05/16 14:38	1
4-Bromofluorobenzene (Surr)	96		73 - 120		04/05/16 14:38	1
Dibromofluoromethane (Surr)	99		60 - 140		04/05/16 14:38	1
Toluene-d8 (Surr)	89		71 - 126		04/05/16 14:38	1

Client Sample ID: 4009-29S

Lab Sample ID: 480-97194-22

Date Collected: 03/28/16 09:35

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	740	E	1.0	0.82	ug/L			04/05/16 15:02	1
1,1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 15:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	7.1		1.0	0.31	ug/L			04/05/16 15:02	1
1,1,2-Trichloroethane	0.49	J	1.0	0.23	ug/L			04/05/16 15:02	1
1,1-Dichloroethane	58		1.0	0.38	ug/L			04/05/16 15:02	1
1,1-Dichloroethene	45		1.0	0.29	ug/L			04/05/16 15:02	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 15:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 15:02	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 15:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 15:02	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 15:02	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-29S

Lab Sample ID: 480-97194-22

Date Collected: 03/28/16 09:35

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 15:02	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 15:02	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 15:02	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 15:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 15:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 15:02	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 15:02	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 15:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 15:02	1
Acetone	10	U	10	3.0	ug/L			04/05/16 15:02	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 15:02	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 15:02	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 15:02	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 15:02	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 15:02	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 15:02	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 15:02	1
Chloroethane	1.5		1.0	0.32	ug/L			04/05/16 15:02	1
Chloroform	0.49	J	1.0	0.34	ug/L			04/05/16 15:02	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 15:02	1
cis-1,2-Dichloroethene	350	E	1.0	0.81	ug/L			04/05/16 15:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 15:02	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 15:02	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 15:02	1
Dichlorodifluoromethane	1.5		1.0	0.68	ug/L			04/05/16 15:02	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 15:02	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 15:02	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 15:02	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 15:02	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 15:02	1
Methylene Chloride	0.58	J	1.0	0.44	ug/L			04/05/16 15:02	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 15:02	1
Tetrachloroethene	0.42	J	1.0	0.36	ug/L			04/05/16 15:02	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 15:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 15:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 15:02	1
Trichloroethene	9.2		1.0	0.46	ug/L			04/05/16 15:02	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 15:02	1
Vinyl chloride	100	E	1.0	0.90	ug/L			04/05/16 15:02	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		04/05/16 15:02	1
4-Bromofluorobenzene (Surr)	93		73 - 120		04/05/16 15:02	1
Dibromofluoromethane (Surr)	102		60 - 140		04/05/16 15:02	1
Toluene-d8 (Surr)	90		71 - 126		04/05/16 15:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	800		20	16	ug/L			04/06/16 13:23	20

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-29S

Lab Sample ID: 480-97194-22

Date Collected: 03/28/16 09:35

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	20	U	20	4.2	ug/L			04/06/16 13:23	20
1,1,2-Trichloro-1,2,2-trifluoroethane	11	J	20	6.2	ug/L			04/06/16 13:23	20
1,1,2-Trichloroethane	20	U	20	4.6	ug/L			04/06/16 13:23	20
1,1-Dichloroethane	66		20	7.6	ug/L			04/06/16 13:23	20
1,1-Dichloroethene	54		20	5.8	ug/L			04/06/16 13:23	20
1,2,3-Trimethylbenzene	20	U	20	5.2	ug/L			04/06/16 13:23	20
1,2,4-Trichlorobenzene	20	U	20	8.2	ug/L			04/06/16 13:23	20
1,2,4-Trimethylbenzene	20	U	20	15	ug/L			04/06/16 13:23	20
1,2-Dibromo-3-Chloropropane	20	U	20	7.8	ug/L			04/06/16 13:23	20
1,2-Dibromoethane	20	U	20	15	ug/L			04/06/16 13:23	20
1,2-Dichlorobenzene	20	U	20	16	ug/L			04/06/16 13:23	20
1,2-Dichloroethane	20	U	20	4.2	ug/L			04/06/16 13:23	20
1,2-Dichloropropane	20	U	20	14	ug/L			04/06/16 13:23	20
1,3,5-Trimethylbenzene	20	U	20	15	ug/L			04/06/16 13:23	20
1,3-Dichlorobenzene	20	U	20	16	ug/L			04/06/16 13:23	20
1,4-Dichlorobenzene	20	U	20	17	ug/L			04/06/16 13:23	20
2-Butanone (MEK)	200	U	200	26	ug/L			04/06/16 13:23	20
2-Hexanone	100	U	100	25	ug/L			04/06/16 13:23	20
4-Methyl-2-pentanone (MIBK)	100	U	100	42	ug/L			04/06/16 13:23	20
Acetone	200	U *	200	60	ug/L			04/06/16 13:23	20
Benzene	20	U	20	8.2	ug/L			04/06/16 13:23	20
Bromodichloromethane	20	U	20	7.8	ug/L			04/06/16 13:23	20
Bromoform	20	U	20	5.2	ug/L			04/06/16 13:23	20
Bromomethane	20	U	20	14	ug/L			04/06/16 13:23	20
Carbon disulfide	20	U	20	3.8	ug/L			04/06/16 13:23	20
Carbon tetrachloride	20	U	20	5.4	ug/L			04/06/16 13:23	20
Chlorobenzene	20	U	20	15	ug/L			04/06/16 13:23	20
Chloroethane	20	U	20	6.4	ug/L			04/06/16 13:23	20
Chloroform	20	U	20	6.8	ug/L			04/06/16 13:23	20
Chloromethane	20	U	20	7.0	ug/L			04/06/16 13:23	20
cis-1,2-Dichloroethene	390		20	16	ug/L			04/06/16 13:23	20
cis-1,3-Dichloropropene	20	U	20	7.2	ug/L			04/06/16 13:23	20
Cyclohexane	20	U	20	3.6	ug/L			04/06/16 13:23	20
Dibromochloromethane	20	U	20	6.4	ug/L			04/06/16 13:23	20
Dichlorodifluoromethane	20	U	20	14	ug/L			04/06/16 13:23	20
Ethylbenzene	20	U	20	15	ug/L			04/06/16 13:23	20
Isopropylbenzene	20	U	20	16	ug/L			04/06/16 13:23	20
Methyl acetate	50	U	50	26	ug/L			04/06/16 13:23	20
Methyl tert-butyl ether	20	U	20	3.2	ug/L			04/06/16 13:23	20
Methylcyclohexane	20	U	20	3.2	ug/L			04/06/16 13:23	20
Methylene Chloride	30		20	8.8	ug/L			04/06/16 13:23	20
Styrene	20	U	20	15	ug/L			04/06/16 13:23	20
Tetrachloroethene	20	U	20	7.2	ug/L			04/06/16 13:23	20
Toluene	20	U	20	10	ug/L			04/06/16 13:23	20
trans-1,2-Dichloroethene	20	U	20	18	ug/L			04/06/16 13:23	20
trans-1,3-Dichloropropene	20	U	20	7.4	ug/L			04/06/16 13:23	20
Trichloroethene	12	J	20	9.2	ug/L			04/06/16 13:23	20
Trichlorofluoromethane	20	U	20	18	ug/L			04/06/16 13:23	20
Vinyl chloride	120		20	18	ug/L			04/06/16 13:23	20

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-29S

Lab Sample ID: 480-97194-22

Date Collected: 03/28/16 09:35

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	40	U	40	13	ug/L			04/06/16 13:23	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		66 - 137					04/06/16 13:23	20
4-Bromofluorobenzene (Surr)	96		73 - 120					04/06/16 13:23	20
Dibromofluoromethane (Surr)	95		60 - 140					04/06/16 13:23	20
Toluene-d8 (Surr)	91		71 - 126					04/06/16 13:23	20

Client Sample ID: 4009-29I

Lab Sample ID: 480-97194-23

Date Collected: 03/28/16 09:40

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1200	E	1.0	0.82	ug/L			04/05/16 15:26	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 15:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	14		1.0	0.31	ug/L			04/05/16 15:26	1
1,1,2-Trichloroethane	0.57	J	1.0	0.23	ug/L			04/05/16 15:26	1
1,1-Dichloroethane	69		1.0	0.38	ug/L			04/05/16 15:26	1
1,1-Dichloroethene	77		1.0	0.29	ug/L			04/05/16 15:26	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 15:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 15:26	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 15:26	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 15:26	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 15:26	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 15:26	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 15:26	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 15:26	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 15:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 15:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 15:26	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 15:26	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 15:26	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 15:26	1
Acetone	10	U	10	3.0	ug/L			04/05/16 15:26	1
Benzene	0.48	J	1.0	0.41	ug/L			04/05/16 15:26	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 15:26	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 15:26	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 15:26	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 15:26	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 15:26	1
Chlorobenzene	1.3		1.0	0.75	ug/L			04/05/16 15:26	1
Chloroethane	2.7		1.0	0.32	ug/L			04/05/16 15:26	1
Chloroform	0.77	J	1.0	0.34	ug/L			04/05/16 15:26	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 15:26	1
cis-1,2-Dichloroethene	340	E	1.0	0.81	ug/L			04/05/16 15:26	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 15:26	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 15:26	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 15:26	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-29I

Lab Sample ID: 480-97194-23

Date Collected: 03/28/16 09:40

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.9		1.0	0.68	ug/L			04/05/16 15:26	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 15:26	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 15:26	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 15:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 15:26	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 15:26	1
Methylene Chloride	0.60	J	1.0	0.44	ug/L			04/05/16 15:26	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 15:26	1
Tetrachloroethene	1.8		1.0	0.36	ug/L			04/05/16 15:26	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 15:26	1
trans-1,2-Dichloroethene	1.3		1.0	0.90	ug/L			04/05/16 15:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 15:26	1
Trichloroethene	380	E	1.0	0.46	ug/L			04/05/16 15:26	1
Trichlorofluoromethane	0.92	J	1.0	0.88	ug/L			04/05/16 15:26	1
Vinyl chloride	94		1.0	0.90	ug/L			04/05/16 15:26	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		66 - 137		04/05/16 15:26	1
4-Bromofluorobenzene (Surr)	93		73 - 120		04/05/16 15:26	1
Dibromofluoromethane (Surr)	99		60 - 140		04/05/16 15:26	1
Toluene-d8 (Surr)	89		71 - 126		04/05/16 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1400		25	21	ug/L			04/06/16 13:47	25
1,1,2,2-Tetrachloroethane	25	U	25	5.3	ug/L			04/06/16 13:47	25
1,1,2-Trichloro-1,2,2-trifluoroethane	25	U	25	7.8	ug/L			04/06/16 13:47	25
1,1,2-Trichloroethane	25	U	25	5.8	ug/L			04/06/16 13:47	25
1,1-Dichloroethane	91		25	9.5	ug/L			04/06/16 13:47	25
1,1-Dichloroethene	99		25	7.3	ug/L			04/06/16 13:47	25
1,2,3-Trimethylbenzene	25	U	25	6.5	ug/L			04/06/16 13:47	25
1,2,4-Trichlorobenzene	25	U	25	10	ug/L			04/06/16 13:47	25
1,2,4-Trimethylbenzene	25	U	25	19	ug/L			04/06/16 13:47	25
1,2-Dibromo-3-Chloropropane	25	U	25	9.8	ug/L			04/06/16 13:47	25
1,2-Dibromoethane	25	U	25	18	ug/L			04/06/16 13:47	25
1,2-Dichlorobenzene	25	U	25	20	ug/L			04/06/16 13:47	25
1,2-Dichloroethane	25	U	25	5.3	ug/L			04/06/16 13:47	25
1,2-Dichloropropane	25	U	25	18	ug/L			04/06/16 13:47	25
1,3,5-Trimethylbenzene	25	U	25	19	ug/L			04/06/16 13:47	25
1,3-Dichlorobenzene	25	U	25	20	ug/L			04/06/16 13:47	25
1,4-Dichlorobenzene	25	U	25	21	ug/L			04/06/16 13:47	25
2-Butanone (MEK)	250	U	250	33	ug/L			04/06/16 13:47	25
2-Hexanone	130	U	130	31	ug/L			04/06/16 13:47	25
4-Methyl-2-pentanone (MIBK)	130	U	130	53	ug/L			04/06/16 13:47	25
Acetone	250	U *	250	75	ug/L			04/06/16 13:47	25
Benzene	25	U	25	10	ug/L			04/06/16 13:47	25
Bromodichloromethane	25	U	25	9.8	ug/L			04/06/16 13:47	25
Bromoform	25	U	25	6.5	ug/L			04/06/16 13:47	25
Bromomethane	25	U	25	17	ug/L			04/06/16 13:47	25

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-29I

Lab Sample ID: 480-97194-23

Date Collected: 03/28/16 09:40

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	25	U	25	4.8	ug/L			04/06/16 13:47	25
Carbon tetrachloride	25	U	25	6.8	ug/L			04/06/16 13:47	25
Chlorobenzene	25	U	25	19	ug/L			04/06/16 13:47	25
Chloroethane	25	U	25	8.0	ug/L			04/06/16 13:47	25
Chloroform	25	U	25	8.5	ug/L			04/06/16 13:47	25
Chloromethane	25	U	25	8.8	ug/L			04/06/16 13:47	25
cis-1,2-Dichloroethene	420		25	20	ug/L			04/06/16 13:47	25
cis-1,3-Dichloropropene	25	U	25	9.0	ug/L			04/06/16 13:47	25
Cyclohexane	25	U	25	4.5	ug/L			04/06/16 13:47	25
Dibromochloromethane	25	U	25	8.0	ug/L			04/06/16 13:47	25
Dichlorodifluoromethane	25	U	25	17	ug/L			04/06/16 13:47	25
Ethylbenzene	25	U	25	19	ug/L			04/06/16 13:47	25
Isopropylbenzene	25	U	25	20	ug/L			04/06/16 13:47	25
Methyl acetate	63	U	63	33	ug/L			04/06/16 13:47	25
Methyl tert-butyl ether	25	U	25	4.0	ug/L			04/06/16 13:47	25
Methylcyclohexane	25	U	25	4.0	ug/L			04/06/16 13:47	25
Methylene Chloride	39		25	11	ug/L			04/06/16 13:47	25
Styrene	25	U	25	18	ug/L			04/06/16 13:47	25
Tetrachloroethene	25	U	25	9.0	ug/L			04/06/16 13:47	25
Toluene	25	U	25	13	ug/L			04/06/16 13:47	25
trans-1,2-Dichloroethene	25	U	25	23	ug/L			04/06/16 13:47	25
trans-1,3-Dichloropropene	25	U	25	9.3	ug/L			04/06/16 13:47	25
Trichloroethene	450		25	12	ug/L			04/06/16 13:47	25
Trichlorofluoromethane	25	U	25	22	ug/L			04/06/16 13:47	25
Vinyl chloride	130		25	23	ug/L			04/06/16 13:47	25
Xylenes, Total	50	U	50	17	ug/L			04/06/16 13:47	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		04/06/16 13:47	25
4-Bromofluorobenzene (Surr)	97		73 - 120		04/06/16 13:47	25
Dibromofluoromethane (Surr)	100		60 - 140		04/06/16 13:47	25
Toluene-d8 (Surr)	92		71 - 126		04/06/16 13:47	25

Client Sample ID: 4009-29D

Lab Sample ID: 480-97194-24

Date Collected: 03/28/16 09:45

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	23		1.0	0.82	ug/L			04/05/16 15:51	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 15:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.40	J	1.0	0.31	ug/L			04/05/16 15:51	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 15:51	1
1,1-Dichloroethane	5.5		1.0	0.38	ug/L			04/05/16 15:51	1
1,1-Dichloroethene	2.0		1.0	0.29	ug/L			04/05/16 15:51	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 15:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 15:51	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 15:51	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 15:51	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-29D

Lab Sample ID: 480-97194-24

Date Collected: 03/28/16 09:45

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 15:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 15:51	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 15:51	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 15:51	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 15:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 15:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 15:51	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 15:51	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 15:51	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 15:51	1
Acetone	10	U	10	3.0	ug/L			04/05/16 15:51	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 15:51	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 15:51	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 15:51	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 15:51	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 15:51	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 15:51	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 15:51	1
Chloroethane	1.2		1.0	0.32	ug/L			04/05/16 15:51	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 15:51	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 15:51	1
cis-1,2-Dichloroethene	9.9		1.0	0.81	ug/L			04/05/16 15:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 15:51	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 15:51	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 15:51	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 15:51	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 15:51	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 15:51	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 15:51	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 15:51	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 15:51	1
Methylene Chloride	0.48	J	1.0	0.44	ug/L			04/05/16 15:51	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 15:51	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 15:51	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 15:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 15:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 15:51	1
Trichloroethene	3.3		1.0	0.46	ug/L			04/05/16 15:51	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 15:51	1
Vinyl chloride	8.3		1.0	0.90	ug/L			04/05/16 15:51	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 137		04/05/16 15:51	1
4-Bromofluorobenzene (Surr)	90		73 - 120		04/05/16 15:51	1
Dibromofluoromethane (Surr)	101		60 - 140		04/05/16 15:51	1
Toluene-d8 (Surr)	86		71 - 126		04/05/16 15:51	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-30

Lab Sample ID: 480-97194-25

Date Collected: 03/28/16 09:05

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 16:15	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 16:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 16:15	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 16:15	1
1,1-Dichloroethane	0.91	J	1.0	0.38	ug/L			04/05/16 16:15	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 16:15	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 16:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 16:15	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 16:15	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 16:15	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 16:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 16:15	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 16:15	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 16:15	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 16:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 16:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 16:15	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 16:15	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 16:15	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 16:15	1
Acetone	10	U	10	3.0	ug/L			04/05/16 16:15	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 16:15	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 16:15	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 16:15	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 16:15	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 16:15	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 16:15	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 16:15	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 16:15	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 16:15	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 16:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 16:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 16:15	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 16:15	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 16:15	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 16:15	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 16:15	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 16:15	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 16:15	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 16:15	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 16:15	1
Methylene Chloride	0.49	J	1.0	0.44	ug/L			04/05/16 16:15	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 16:15	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 16:15	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 16:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 16:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 16:15	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 16:15	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 16:15	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-30

Lab Sample ID: 480-97194-25

Date Collected: 03/28/16 09:05

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 16:15	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 16:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137					04/05/16 16:15	1
4-Bromofluorobenzene (Surr)	93		73 - 120					04/05/16 16:15	1
Dibromofluoromethane (Surr)	100		60 - 140					04/05/16 16:15	1
Toluene-d8 (Surr)	89		71 - 126					04/05/16 16:15	1

Client Sample ID: 4009-30A

Lab Sample ID: 480-97194-26

Date Collected: 03/28/16 09:10

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 16:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 16:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 16:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 16:39	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 16:39	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 16:39	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 16:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 16:39	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 16:39	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 16:39	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 16:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 16:39	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 16:39	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 16:39	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 16:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 16:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 16:39	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 16:39	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 16:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 16:39	1
Acetone	10	U	10	3.0	ug/L			04/05/16 16:39	1
Benzene	2.2		1.0	0.41	ug/L			04/05/16 16:39	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 16:39	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 16:39	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 16:39	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 16:39	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 16:39	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 16:39	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 16:39	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 16:39	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 16:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 16:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 16:39	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 16:39	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 16:39	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-30A

Lab Sample ID: 480-97194-26

Date Collected: 03/28/16 09:10

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 16:39	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 16:39	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 16:39	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 16:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 16:39	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 16:39	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 16:39	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 16:39	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 16:39	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 16:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 16:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 16:39	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 16:39	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 16:39	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 16:39	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 137		04/05/16 16:39	1
4-Bromofluorobenzene (Surr)	91		73 - 120		04/05/16 16:39	1
Dibromofluoromethane (Surr)	97		60 - 140		04/05/16 16:39	1
Toluene-d8 (Surr)	87		71 - 126		04/05/16 16:39	1

Client Sample ID: 4009-11A

Lab Sample ID: 480-97194-27

Date Collected: 03/28/16 10:30

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 17:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 17:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 17:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 17:03	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 17:03	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 17:03	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 17:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 17:03	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 17:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 17:03	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 17:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 17:03	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 17:03	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 17:03	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 17:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 17:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 17:03	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 17:03	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 17:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 17:03	1
Acetone	4.6	J	10	3.0	ug/L			04/05/16 17:03	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-11A

Lab Sample ID: 480-97194-27

Date Collected: 03/28/16 10:30

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 17:03	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 17:03	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 17:03	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 17:03	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 17:03	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 17:03	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 17:03	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 17:03	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 17:03	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 17:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 17:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 17:03	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 17:03	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 17:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 17:03	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 17:03	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 17:03	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 17:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 17:03	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 17:03	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 17:03	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 17:03	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 17:03	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 17:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 17:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 17:03	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 17:03	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 17:03	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 17:03	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		66 - 137		04/05/16 17:03	1
4-Bromofluorobenzene (Surr)	95		73 - 120		04/05/16 17:03	1
Dibromofluoromethane (Surr)	98		60 - 140		04/05/16 17:03	1
Toluene-d8 (Surr)	89		71 - 126		04/05/16 17:03	1

Client Sample ID: DUP-1

Lab Sample ID: 480-97194-28

Date Collected: 03/28/16 00:00

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 17:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 17:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 17:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 17:27	1
1,1-Dichloroethane	3.1		1.0	0.38	ug/L			04/05/16 17:27	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 17:27	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 17:27	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: DUP-1

Lab Sample ID: 480-97194-28

Date Collected: 03/28/16 00:00

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 17:27	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 17:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 17:27	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 17:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 17:27	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 17:27	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 17:27	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 17:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 17:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 17:27	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 17:27	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 17:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 17:27	1
Acetone	10	U	10	3.0	ug/L			04/05/16 17:27	1
Benzene	6.4		1.0	0.41	ug/L			04/05/16 17:27	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 17:27	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 17:27	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 17:27	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 17:27	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 17:27	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 17:27	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 17:27	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 17:27	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 17:27	1
cis-1,2-Dichloroethene	1.7		1.0	0.81	ug/L			04/05/16 17:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 17:27	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 17:27	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 17:27	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 17:27	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 17:27	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 17:27	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 17:27	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 17:27	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 17:27	1
Methylene Chloride	0.48	J	1.0	0.44	ug/L			04/05/16 17:27	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 17:27	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 17:27	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 17:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 17:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 17:27	1
Trichloroethene	0.83	J	1.0	0.46	ug/L			04/05/16 17:27	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 17:27	1
Vinyl chloride	1.7		1.0	0.90	ug/L			04/05/16 17:27	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		04/05/16 17:27	1
4-Bromofluorobenzene (Surr)	94		73 - 120		04/05/16 17:27	1
Dibromofluoromethane (Surr)	101		60 - 140		04/05/16 17:27	1
Toluene-d8 (Surr)	89		71 - 126		04/05/16 17:27	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: DUP-2

Lab Sample ID: 480-97194-29

Date Collected: 03/28/16 00:00

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1200	E	1.0	0.82	ug/L			04/05/16 17:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 17:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	15		1.0	0.31	ug/L			04/05/16 17:51	1
1,1,2-Trichloroethane	0.77	J	1.0	0.23	ug/L			04/05/16 17:51	1
1,1-Dichloroethane	73		1.0	0.38	ug/L			04/05/16 17:51	1
1,1-Dichloroethene	81		1.0	0.29	ug/L			04/05/16 17:51	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 17:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 17:51	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 17:51	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 17:51	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 17:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 17:51	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 17:51	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 17:51	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 17:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 17:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 17:51	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 17:51	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 17:51	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 17:51	1
Acetone	10	U	10	3.0	ug/L			04/05/16 17:51	1
Benzene	0.57	J	1.0	0.41	ug/L			04/05/16 17:51	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 17:51	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 17:51	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 17:51	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 17:51	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 17:51	1
Chlorobenzene	1.5		1.0	0.75	ug/L			04/05/16 17:51	1
Chloroethane	3.1		1.0	0.32	ug/L			04/05/16 17:51	1
Chloroform	0.80	J	1.0	0.34	ug/L			04/05/16 17:51	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 17:51	1
cis-1,2-Dichloroethene	360	E	1.0	0.81	ug/L			04/05/16 17:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 17:51	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 17:51	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 17:51	1
Dichlorodifluoromethane	2.1		1.0	0.68	ug/L			04/05/16 17:51	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 17:51	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 17:51	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 17:51	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 17:51	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 17:51	1
Methylene Chloride	0.48	J	1.0	0.44	ug/L			04/05/16 17:51	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 17:51	1
Tetrachloroethene	1.8		1.0	0.36	ug/L			04/05/16 17:51	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 17:51	1
trans-1,2-Dichloroethene	1.2		1.0	0.90	ug/L			04/05/16 17:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 17:51	1
Trichloroethene	400	E	1.0	0.46	ug/L			04/05/16 17:51	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: DUP-2

Lab Sample ID: 480-97194-29

Date Collected: 03/28/16 00:00

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 17:51	1
Vinyl chloride	99		1.0	0.90	ug/L			04/05/16 17:51	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 137					04/05/16 17:51	1
4-Bromofluorobenzene (Surr)	93		73 - 120					04/05/16 17:51	1
Dibromofluoromethane (Surr)	99		60 - 140					04/05/16 17:51	1
Toluene-d8 (Surr)	91		71 - 126					04/05/16 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1300		25	21	ug/L			04/06/16 14:11	25
1,1,1,2-Tetrachloroethane	25	U	25	5.3	ug/L			04/06/16 14:11	25
1,1,2-Trichloro-1,2,2-trifluoroethane	16	J	25	7.8	ug/L			04/06/16 14:11	25
1,1,2-Trichloroethane	25	U	25	5.8	ug/L			04/06/16 14:11	25
1,1-Dichloroethane	78		25	9.5	ug/L			04/06/16 14:11	25
1,1-Dichloroethene	92		25	7.3	ug/L			04/06/16 14:11	25
1,2,3-Trimethylbenzene	25	U	25	6.5	ug/L			04/06/16 14:11	25
1,2,4-Trichlorobenzene	25	U	25	10	ug/L			04/06/16 14:11	25
1,2,4-Trimethylbenzene	25	U	25	19	ug/L			04/06/16 14:11	25
1,2-Dibromo-3-Chloropropane	25	U	25	9.8	ug/L			04/06/16 14:11	25
1,2-Dibromoethane	25	U	25	18	ug/L			04/06/16 14:11	25
1,2-Dichlorobenzene	25	U	25	20	ug/L			04/06/16 14:11	25
1,2-Dichloroethane	25	U	25	5.3	ug/L			04/06/16 14:11	25
1,2-Dichloropropane	25	U	25	18	ug/L			04/06/16 14:11	25
1,3,5-Trimethylbenzene	25	U	25	19	ug/L			04/06/16 14:11	25
1,3-Dichlorobenzene	25	U	25	20	ug/L			04/06/16 14:11	25
1,4-Dichlorobenzene	25	U	25	21	ug/L			04/06/16 14:11	25
2-Butanone (MEK)	250	U	250	33	ug/L			04/06/16 14:11	25
2-Hexanone	130	U	130	31	ug/L			04/06/16 14:11	25
4-Methyl-2-pentanone (MIBK)	130	U	130	53	ug/L			04/06/16 14:11	25
Acetone	250	U *	250	75	ug/L			04/06/16 14:11	25
Benzene	25	U	25	10	ug/L			04/06/16 14:11	25
Bromodichloromethane	25	U	25	9.8	ug/L			04/06/16 14:11	25
Bromoform	25	U	25	6.5	ug/L			04/06/16 14:11	25
Bromomethane	25	U	25	17	ug/L			04/06/16 14:11	25
Carbon disulfide	25	U	25	4.8	ug/L			04/06/16 14:11	25
Carbon tetrachloride	25	U	25	6.8	ug/L			04/06/16 14:11	25
Chlorobenzene	25	U	25	19	ug/L			04/06/16 14:11	25
Chloroethane	25	U	25	8.0	ug/L			04/06/16 14:11	25
Chloroform	25	U	25	8.5	ug/L			04/06/16 14:11	25
Chloromethane	25	U	25	8.8	ug/L			04/06/16 14:11	25
cis-1,2-Dichloroethene	400		25	20	ug/L			04/06/16 14:11	25
cis-1,3-Dichloropropene	25	U	25	9.0	ug/L			04/06/16 14:11	25
Cyclohexane	25	U	25	4.5	ug/L			04/06/16 14:11	25
Dibromochloromethane	25	U	25	8.0	ug/L			04/06/16 14:11	25
Dichlorodifluoromethane	25	U	25	17	ug/L			04/06/16 14:11	25
Ethylbenzene	25	U	25	19	ug/L			04/06/16 14:11	25

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: DUP-2

Lab Sample ID: 480-97194-29

Date Collected: 03/28/16 00:00

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	25	U	25	20	ug/L			04/06/16 14:11	25
Methyl acetate	63	U	63	33	ug/L			04/06/16 14:11	25
Methyl tert-butyl ether	25	U	25	4.0	ug/L			04/06/16 14:11	25
Methylcyclohexane	25	U	25	4.0	ug/L			04/06/16 14:11	25
Methylene Chloride	41		25	11	ug/L			04/06/16 14:11	25
Styrene	25	U	25	18	ug/L			04/06/16 14:11	25
Tetrachloroethene	25	U	25	9.0	ug/L			04/06/16 14:11	25
Toluene	25	U	25	13	ug/L			04/06/16 14:11	25
trans-1,2-Dichloroethene	25	U	25	23	ug/L			04/06/16 14:11	25
trans-1,3-Dichloropropene	25	U	25	9.3	ug/L			04/06/16 14:11	25
Trichloroethene	410		25	12	ug/L			04/06/16 14:11	25
Trichlorofluoromethane	25	U	25	22	ug/L			04/06/16 14:11	25
Vinyl chloride	100		25	23	ug/L			04/06/16 14:11	25
Xylenes, Total	50	U	50	17	ug/L			04/06/16 14:11	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		04/06/16 14:11	25
4-Bromofluorobenzene (Surr)	92		73 - 120		04/06/16 14:11	25
Dibromofluoromethane (Surr)	100		60 - 140		04/06/16 14:11	25
Toluene-d8 (Surr)	89		71 - 126		04/06/16 14:11	25

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-97194-30

Date Collected: 03/28/16 09:25

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 18:15	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 18:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 18:15	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 18:15	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 18:15	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 18:15	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 18:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 18:15	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 18:15	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 18:15	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 18:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 18:15	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 18:15	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 18:15	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 18:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 18:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 18:15	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 18:15	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 18:15	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 18:15	1
Acetone	10	U	10	3.0	ug/L			04/05/16 18:15	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 18:15	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 18:15	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-97194-30

Date Collected: 03/28/16 09:25

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 18:15	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 18:15	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 18:15	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 18:15	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 18:15	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 18:15	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 18:15	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 18:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 18:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 18:15	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 18:15	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 18:15	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 18:15	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 18:15	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 18:15	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 18:15	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 18:15	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 18:15	1
Methylene Chloride	0.44	J	1.0	0.44	ug/L			04/05/16 18:15	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 18:15	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 18:15	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 18:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 18:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 18:15	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 18:15	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 18:15	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 18:15	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 137		04/05/16 18:15	1
4-Bromofluorobenzene (Surr)	94		73 - 120		04/05/16 18:15	1
Dibromofluoromethane (Surr)	97		60 - 140		04/05/16 18:15	1
Toluene-d8 (Surr)	88		71 - 126		04/05/16 18:15	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-97194-31

Date Collected: 03/28/16 00:00

Matrix: Water

Date Received: 03/29/16 00:30

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			04/05/16 18:39	1
1,1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 18:39	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 18:39	1
1,1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 18:39	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 18:39	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 18:39	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 18:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 18:39	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 18:39	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-97194-31

Date Collected: 03/28/16 00:00

Matrix: Water

Date Received: 03/29/16 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 18:39	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 18:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 18:39	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 18:39	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 18:39	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 18:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 18:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 18:39	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 18:39	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 18:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 18:39	1
Acetone	10	U	10	3.0	ug/L			04/05/16 18:39	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 18:39	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 18:39	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 18:39	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 18:39	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 18:39	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 18:39	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 18:39	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 18:39	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 18:39	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 18:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 18:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 18:39	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 18:39	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 18:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 18:39	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 18:39	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 18:39	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 18:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 18:39	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 18:39	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 18:39	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 18:39	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 18:39	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 18:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 18:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 18:39	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 18:39	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 18:39	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 18:39	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		04/05/16 18:39	1
4-Bromofluorobenzene (Surr)	95		73 - 120		04/05/16 18:39	1
Dibromofluoromethane (Surr)	100		60 - 140		04/05/16 18:39	1
Toluene-d8 (Surr)	89		71 - 126		04/05/16 18:39	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-97194-1

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 (66-137)	BFB (73-120)	DBFM (60-140)	TOL (71-126)
480-97194-1	WELL 1-2A	96	93	96	88
480-97194-2	WELL 1-3	95	93	97	91
480-97194-3	WELL 1-1	95	91	97	89
480-97194-4	4009-9	97	91	98	88
480-97194-5	4009-10	94	94	96	91
480-97194-6	4009-11	94	92	95	90
480-97194-7	4009-12	96	93	99	90
480-97194-8	4009-13	97	93	97	90
480-97194-9	4009-13A	91	93	97	90
480-97194-10	4009-14	97	93	98	88
480-97194-10 MS	4009-14	96	96	99	88
480-97194-10 MSD	4009-14	93	94	95	90
480-97194-11	4009-15	96	95	97	89
480-97194-12	4009-16	98	91	98	89
480-97194-13	4009-16A	97	91	100	87
480-97194-14	4009-18	95	93	99	89
480-97194-15	4009-19	93	94	96	90
480-97194-16	4009-21	92	92	96	88
480-97194-17	4009-22	97	94	96	89
480-97194-18	4009-27S	96	93	99	90
480-97194-19	4009-27I	98	94	100	91
480-97194-19 MS	4009-27I	93	94	94	86
480-97194-19 MSD	4009-27I	91	91	94	88
480-97194-20	4009-27D	94	90	95	88
480-97194-21	4009-28	98	96	99	89
480-97194-22	4009-29S	98	93	102	90
480-97194-22 - DL	4009-29S	94	96	95	91
480-97194-22 MS	4009-29S	90	96	94	90
480-97194-22 MSD	4009-29S	91	97	95	91
480-97194-23	4009-29I	93	93	99	89
480-97194-23 - DL	4009-29I	99	97	100	92
480-97194-24	4009-29D	95	90	101	86
480-97194-25	4009-30	97	93	100	89
480-97194-26	4009-30A	95	91	97	87
480-97194-27	4009-11A	94	95	98	89
480-97194-28	DUP-1	99	94	101	89
480-97194-29	DUP-2	95	93	99	91
480-97194-29 - DL	DUP-2	96	92	100	89
480-97194-30	FIELD BLANK	95	94	97	88
480-97194-31	TRIP BLANK	100	95	100	89
LCS 480-293982/30	Lab Control Sample	92	92	95	88
LCS 480-294033/5	Lab Control Sample	89	93	96	89
LCS 480-294243/5	Lab Control Sample	93	98	98	90
LCSD 480-294243/6	Lab Control Sample Dup	95	96	96	89
MB 480-293982/8	Method Blank	93	92	94	88
MB 480-294033/7	Method Blank	91	95	96	91
MB 480-294243/8	Method Blank	96	93	99	89

Surrogate Legend

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-97194-1

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: MB 480-293982/8

Matrix: Water

Analysis Batch: 293982

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			04/04/16 22:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/04/16 22:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/04/16 22:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/04/16 22:01	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/04/16 22:01	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/04/16 22:01	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/04/16 22:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/04/16 22:01	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/04/16 22:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/04/16 22:01	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/04/16 22:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/04/16 22:01	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/04/16 22:01	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/04/16 22:01	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/04/16 22:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/04/16 22:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/04/16 22:01	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/04/16 22:01	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/04/16 22:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/04/16 22:01	1
Acetone	10	U	10	3.0	ug/L			04/04/16 22:01	1
Benzene	1.0	U	1.0	0.41	ug/L			04/04/16 22:01	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/04/16 22:01	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/04/16 22:01	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/04/16 22:01	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/04/16 22:01	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/04/16 22:01	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/04/16 22:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/04/16 22:01	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/04/16 22:01	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/04/16 22:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/04/16 22:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/04/16 22:01	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/04/16 22:01	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/04/16 22:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/04/16 22:01	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/04/16 22:01	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/04/16 22:01	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/04/16 22:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/04/16 22:01	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/04/16 22:01	1
Methylene Chloride	0.608	J	1.0	0.44	ug/L			04/04/16 22:01	1
Styrene	1.0	U	1.0	0.73	ug/L			04/04/16 22:01	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/04/16 22:01	1
Toluene	1.0	U	1.0	0.51	ug/L			04/04/16 22:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/04/16 22:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/04/16 22:01	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/04/16 22:01	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: MB 480-293982/8

Matrix: Water

Analysis Batch: 293982

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			04/04/16 22:01	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/04/16 22:01	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/04/16 22:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		66 - 137		04/04/16 22:01	1
4-Bromofluorobenzene (Surr)	92		73 - 120		04/04/16 22:01	1
Dibromofluoromethane (Surr)	94		60 - 140		04/04/16 22:01	1
Toluene-d8 (Surr)	88		71 - 126		04/04/16 22:01	1

Lab Sample ID: LCS 480-293982/30

Matrix: Water

Analysis Batch: 293982

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	23.5		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.0		ug/L		88	70 - 126
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.3		ug/L		93	52 - 148
1,1,2-Trichloroethane	25.0	21.1		ug/L		84	76 - 122
1,1-Dichloroethane	25.0	23.8		ug/L		95	71 - 129
1,1-Dichloroethene	25.0	20.1		ug/L		80	58 - 121
1,2,3-Trimethylbenzene	25.0	23.3		ug/L		93	67 - 138
1,2,4-Trichlorobenzene	25.0	23.2		ug/L		93	70 - 122
1,2,4-Trimethylbenzene	25.0	21.7		ug/L		87	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	22.0		ug/L		88	56 - 134
1,2-Dibromoethane	25.0	20.5		ug/L		82	77 - 120
1,2-Dichlorobenzene	25.0	21.3		ug/L		85	80 - 124
1,2-Dichloroethane	25.0	21.9		ug/L		88	75 - 127
1,2-Dichloropropane	25.0	23.2		ug/L		93	76 - 120
1,3,5-Trimethylbenzene	25.0	21.8		ug/L		87	77 - 121
1,3-Dichlorobenzene	25.0	22.4		ug/L		90	77 - 120
1,4-Dichlorobenzene	25.0	22.0		ug/L		88	75 - 120
2-Butanone (MEK)	125	129		ug/L		103	57 - 140
2-Hexanone	125	121		ug/L		96	65 - 127
4-Methyl-2-pentanone (MIBK)	125	111		ug/L		89	71 - 125
Acetone	125	160		ug/L		128	56 - 142
Benzene	25.0	23.1		ug/L		93	71 - 124
Bromodichloromethane	25.0	22.7		ug/L		91	80 - 122
Bromoform	25.0	22.7		ug/L		91	52 - 132
Bromomethane	25.0	24.6		ug/L		99	55 - 144
Carbon disulfide	25.0	20.2		ug/L		81	59 - 134
Carbon tetrachloride	25.0	23.1		ug/L		93	72 - 134
Chlorobenzene	25.0	21.0		ug/L		84	72 - 120
Chloroethane	25.0	22.9		ug/L		92	69 - 136
Chloroform	25.0	22.6		ug/L		90	73 - 127
Chloromethane	25.0	21.8		ug/L		87	68 - 124
cis-1,2-Dichloroethene	25.0	22.4		ug/L		90	74 - 124

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: LCS 480-293982/30

Matrix: Water

Analysis Batch: 293982

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	22.9		ug/L		92	74 - 124
Cyclohexane	25.0	22.9		ug/L		92	59 - 135
Dibromochloromethane	25.0	22.9		ug/L		92	75 - 125
Dichlorodifluoromethane	25.0	19.3		ug/L		77	59 - 135
Ethylbenzene	25.0	21.1		ug/L		84	77 - 123
Isopropylbenzene	25.0	21.8		ug/L		87	77 - 122
Methyl acetate	125	111		ug/L		89	74 - 133
Methyl tert-butyl ether	25.0	21.5		ug/L		86	64 - 127
Methylcyclohexane	25.0	23.8		ug/L		95	61 - 138
Methylene Chloride	25.0	21.1		ug/L		85	57 - 132
Styrene	25.0	22.0		ug/L		88	70 - 130
Tetrachloroethene	25.0	22.4		ug/L		90	74 - 122
Toluene	25.0	21.1		ug/L		84	80 - 122
trans-1,2-Dichloroethene	25.0	21.5		ug/L		86	73 - 127
trans-1,3-Dichloropropene	25.0	20.7		ug/L		83	72 - 123
Trichloroethene	25.0	22.8		ug/L		91	74 - 123
Trichlorofluoromethane	25.0	25.4		ug/L		102	62 - 152
Vinyl chloride	25.0	22.6		ug/L		91	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Dibromofluoromethane (Surr)	95		60 - 140
Toluene-d8 (Surr)	88		71 - 126

Lab Sample ID: 480-97194-10 MS

Matrix: Water

Analysis Batch: 293982

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	23.0		ug/L		92	73 - 126
1,1,2,2-Tetrachloroethane	1.0	U	25.0	23.1		ug/L		92	70 - 126
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	19.7		ug/L		79	52 - 148
1,1,2-Trichloroethane	1.0	U	25.0	21.7		ug/L		87	76 - 122
1,1-Dichloroethane	1.0	U	25.0	23.9		ug/L		96	71 - 129
1,1-Dichloroethene	1.0	U	25.0	19.1		ug/L		76	58 - 121
1,2,3-Trimethylbenzene	1.0	U	25.0	24.3		ug/L		97	67 - 138
1,2,4-Trichlorobenzene	1.0	U	25.0	22.8		ug/L		91	70 - 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	22.9		ug/L		92	56 - 134
1,2-Dibromoethane	1.0	U	25.0	21.7		ug/L		87	77 - 120
1,2-Dichlorobenzene	1.0	U	25.0	21.5		ug/L		86	80 - 124
1,2-Dichloroethane	1.0	U	25.0	23.6		ug/L		94	75 - 127
1,2-Dichloropropane	1.0	U	25.0	24.0		ug/L		96	76 - 120
1,3,5-Trimethylbenzene	1.0	U	25.0	21.5		ug/L		86	77 - 121
1,3-Dichlorobenzene	1.0	U	25.0	22.7		ug/L		91	77 - 120
1,4-Dichlorobenzene	1.0	U	25.0	21.7		ug/L		87	75 - 120

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: 480-97194-10 MS

Matrix: Water

Analysis Batch: 293982

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
2-Butanone (MEK)	10	U	125	124		ug/L		99	57 - 140
2-Hexanone	5.0	U	125	121		ug/L		97	65 - 127
4-Methyl-2-pentanone (MIBK)	5.0	U	125	117		ug/L		93	71 - 125
Acetone	10	U	125	150		ug/L		120	56 - 142
Benzene	18		25.0	39.4		ug/L		84	71 - 124
Bromodichloromethane	1.0	U	25.0	24.3		ug/L		97	80 - 122
Bromoform	1.0	U	25.0	23.4		ug/L		94	52 - 132
Bromomethane	1.0	U	25.0	26.9		ug/L		108	55 - 144
Carbon disulfide	1.0	U	25.0	18.0		ug/L		72	59 - 134
Carbon tetrachloride	1.0	U	25.0	22.0		ug/L		88	72 - 134
Chlorobenzene	1.0	U	25.0	21.5		ug/L		86	72 - 120
Chloroethane	1.0	U	25.0	25.1		ug/L		100	69 - 136
Chloroform	1.0	U	25.0	24.2		ug/L		97	73 - 127
Chloromethane	1.0	U	25.0	23.1		ug/L		92	68 - 124
cis-1,2-Dichloroethene	1.0	U	25.0	22.2		ug/L		89	74 - 124
cis-1,3-Dichloropropene	1.0	U	25.0	23.5		ug/L		94	74 - 124
Cyclohexane	1.0	U	25.0	20.0		ug/L		80	59 - 135
Dibromochloromethane	1.0	U	25.0	23.7		ug/L		95	75 - 125
Dichlorodifluoromethane	1.0	U	25.0	16.9		ug/L		67	59 - 135
Ethylbenzene	1.0	U	25.0	21.3		ug/L		85	77 - 123
Isopropylbenzene	1.0	U	25.0	21.2		ug/L		85	77 - 122
Methyl acetate	2.5	U	125	114		ug/L		91	74 - 133
Methyl tert-butyl ether	1.0	U	25.0	22.5		ug/L		90	64 - 127
Methylcyclohexane	1.0	U	25.0	20.1		ug/L		80	61 - 138
Methylene Chloride	1.0	U	25.0	22.2		ug/L		89	57 - 132
Styrene	1.0	U	25.0	22.3		ug/L		89	70 - 130
Tetrachloroethene	1.0	U	25.0	21.1		ug/L		84	74 - 122
Toluene	0.78	J	25.0	22.2		ug/L		86	80 - 122
trans-1,2-Dichloroethene	1.0	U	25.0	21.3		ug/L		85	73 - 127
trans-1,3-Dichloropropene	1.0	U	25.0	20.9		ug/L		84	72 - 123
Trichloroethene	1.0	U	25.0	22.8		ug/L		91	74 - 123
Trichlorofluoromethane	1.0	U	25.0	24.0		ug/L		96	62 - 152
Vinyl chloride	1.0	U	25.0	23.0		ug/L		92	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	99		60 - 140
Toluene-d8 (Surr)	88		71 - 126

Lab Sample ID: 480-97194-10 MSD

Matrix: Water

Analysis Batch: 293982

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	21.7		ug/L		87	73 - 126	6	15
1,1,2,2-Tetrachloroethane	1.0	U	25.0	22.9		ug/L		91	70 - 126	1	15

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: 480-97194-10 MSD

Matrix: Water

Analysis Batch: 293982

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
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	17.7		ug/L		71	52 - 148	11	20
1,1,2-Trichloroethane	1.0	U	25.0	22.5		ug/L		90	76 - 122	3	15
1,1-Dichloroethane	1.0	U	25.0	23.6		ug/L		94	71 - 129	1	20
1,1-Dichloroethene	1.0	U	25.0	18.0		ug/L		72	58 - 121	6	16
1,2,3-Trimethylbenzene	1.0	U	25.0	24.4		ug/L		98	67 - 138	0	20
1,2,4-Trichlorobenzene	1.0	U	25.0	23.4		ug/L		93	70 - 122	3	20
1,2,4-Trimethylbenzene	1.0	U	25.0	22.0		ug/L		88	76 - 121	0	20
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	22.8		ug/L		91	56 - 134	0	15
1,2-Dibromoethane	1.0	U	25.0	22.5		ug/L		90	77 - 120	4	15
1,2-Dichlorobenzene	1.0	U	25.0	22.0		ug/L		88	80 - 124	2	20
1,2-Dichloroethane	1.0	U	25.0	22.7		ug/L		91	75 - 127	4	20
1,2-Dichloropropane	1.0	U	25.0	22.9		ug/L		92	76 - 120	5	20
1,3,5-Trimethylbenzene	1.0	U	25.0	21.8		ug/L		87	77 - 121	1	20
1,3-Dichlorobenzene	1.0	U	25.0	23.1		ug/L		93	77 - 120	2	20
1,4-Dichlorobenzene	1.0	U	25.0	22.6		ug/L		90	75 - 120	4	20
2-Butanone (MEK)	10	U	125	134		ug/L		107	57 - 140	8	20
2-Hexanone	5.0	U	125	126		ug/L		101	65 - 127	4	15
4-Methyl-2-pentanone (MIBK)	5.0	U	125	122		ug/L		97	71 - 125	4	35
Acetone	10	U	125	142		ug/L		114	56 - 142	6	15
Benzene	18		25.0	38.3		ug/L		80	71 - 124	3	13
Bromodichloromethane	1.0	U	25.0	23.6		ug/L		94	80 - 122	3	15
Bromoform	1.0	U	25.0	24.3		ug/L		97	52 - 132	4	15
Bromomethane	1.0	U	25.0	25.2		ug/L		101	55 - 144	6	15
Carbon disulfide	1.0	U	25.0	17.4		ug/L		70	59 - 134	3	15
Carbon tetrachloride	1.0	U	25.0	20.3		ug/L		81	72 - 134	8	15
Chlorobenzene	1.0	U	25.0	21.4		ug/L		86	72 - 120	0	25
Chloroethane	1.0	U	25.0	23.5		ug/L		94	69 - 136	7	15
Chloroform	1.0	U	25.0	23.2		ug/L		93	73 - 127	4	20
Chloromethane	1.0	U	25.0	22.5		ug/L		90	68 - 124	3	15
cis-1,2-Dichloroethene	1.0	U	25.0	22.2		ug/L		89	74 - 124	0	15
cis-1,3-Dichloropropene	1.0	U	25.0	22.6		ug/L		90	74 - 124	4	15
Cyclohexane	1.0	U	25.0	18.0		ug/L		72	59 - 135	10	20
Dibromochloromethane	1.0	U	25.0	24.4		ug/L		97	75 - 125	3	15
Dichlorodifluoromethane	1.0	U	25.0	15.2		ug/L		61	59 - 135	11	20
Ethylbenzene	1.0	U	25.0	21.6		ug/L		86	77 - 123	1	15
Isopropylbenzene	1.0	U	25.0	21.5		ug/L		86	77 - 122	2	20
Methyl acetate	2.5	U	125	111		ug/L		89	74 - 133	3	20
Methyl tert-butyl ether	1.0	U	25.0	22.1		ug/L		88	64 - 127	2	37
Methylcyclohexane	1.0	U	25.0	18.3		ug/L		73	61 - 138	9	20
Methylene Chloride	1.0	U	25.0	21.4		ug/L		86	57 - 132	4	15
Styrene	1.0	U	25.0	22.9		ug/L		92	70 - 130	3	20
Tetrachloroethene	1.0	U	25.0	21.2		ug/L		85	74 - 122	1	20
Toluene	0.78	J	25.0	22.3		ug/L		86	80 - 122	1	15
trans-1,2-Dichloroethene	1.0	U	25.0	20.7		ug/L		83	73 - 127	3	20
trans-1,3-Dichloropropene	1.0	U	25.0	21.7		ug/L		87	72 - 123	4	15
Trichloroethene	1.0	U	25.0	22.0		ug/L		88	74 - 123	4	16
Trichlorofluoromethane	1.0	U	25.0	21.9		ug/L		88	62 - 152	9	20

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: 480-97194-10 MSD

Matrix: Water

Analysis Batch: 293982

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
Vinyl chloride	1.0	U	25.0	21.6		ug/L		86	65 - 133	6	15
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	93		66 - 137								
4-Bromofluorobenzene (Surr)	94		73 - 120								
Dibromofluoromethane (Surr)	95		60 - 140								
Toluene-d8 (Surr)	90		71 - 126								

Lab Sample ID: MB 480-294033/7

Matrix: Water

Analysis Batch: 294033

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			04/05/16 11:11	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 11:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/05/16 11:11	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/05/16 11:11	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/05/16 11:11	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/05/16 11:11	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/05/16 11:11	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/05/16 11:11	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/05/16 11:11	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/05/16 11:11	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/05/16 11:11	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/05/16 11:11	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/05/16 11:11	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/05/16 11:11	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/05/16 11:11	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/05/16 11:11	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/05/16 11:11	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/05/16 11:11	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/05/16 11:11	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/05/16 11:11	1
Acetone	10	U	10	3.0	ug/L			04/05/16 11:11	1
Benzene	1.0	U	1.0	0.41	ug/L			04/05/16 11:11	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/05/16 11:11	1
Bromoform	1.0	U	1.0	0.26	ug/L			04/05/16 11:11	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/05/16 11:11	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/05/16 11:11	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/05/16 11:11	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/05/16 11:11	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/05/16 11:11	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/05/16 11:11	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/05/16 11:11	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/05/16 11:11	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/05/16 11:11	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/05/16 11:11	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/05/16 11:11	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: MB 480-294033/7

Matrix: Water

Analysis Batch: 294033

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/05/16 11:11	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/05/16 11:11	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/05/16 11:11	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/05/16 11:11	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/05/16 11:11	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/05/16 11:11	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/05/16 11:11	1
Styrene	1.0	U	1.0	0.73	ug/L			04/05/16 11:11	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/05/16 11:11	1
Toluene	1.0	U	1.0	0.51	ug/L			04/05/16 11:11	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/05/16 11:11	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/05/16 11:11	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/05/16 11:11	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/05/16 11:11	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/05/16 11:11	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/05/16 11:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		66 - 137		04/05/16 11:11	1
4-Bromofluorobenzene (Surr)	95		73 - 120		04/05/16 11:11	1
Dibromofluoromethane (Surr)	96		60 - 140		04/05/16 11:11	1
Toluene-d8 (Surr)	91		71 - 126		04/05/16 11:11	1

Lab Sample ID: LCS 480-294033/5

Matrix: Water

Analysis Batch: 294033

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	21.5		ug/L		86	70 - 126
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.5		ug/L		86	52 - 148
1,1,2-Trichloroethane	25.0	21.4		ug/L		86	76 - 122
1,1-Dichloroethane	25.0	21.9		ug/L		88	71 - 129
1,1-Dichloroethene	25.0	18.3		ug/L		73	58 - 121
1,2,3-Trimethylbenzene	25.0	23.2		ug/L		93	67 - 138
1,2,4-Trichlorobenzene	25.0	22.3		ug/L		89	70 - 122
1,2,4-Trimethylbenzene	25.0	21.2		ug/L		85	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	22.9		ug/L		92	56 - 134
1,2-Dibromoethane	25.0	21.1		ug/L		84	77 - 120
1,2-Dichlorobenzene	25.0	21.1		ug/L		85	80 - 124
1,2-Dichloroethane	25.0	21.4		ug/L		86	75 - 127
1,2-Dichloropropane	25.0	22.3		ug/L		89	76 - 120
1,3,5-Trimethylbenzene	25.0	21.5		ug/L		86	77 - 121
1,3-Dichlorobenzene	25.0	22.2		ug/L		89	77 - 120
1,4-Dichlorobenzene	25.0	21.4		ug/L		86	75 - 120
2-Butanone (MEK)	125	129		ug/L		103	57 - 140
2-Hexanone	125	125		ug/L		100	65 - 127

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: LCS 480-294033/5

Matrix: Water

Analysis Batch: 294033

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	125	115		ug/L		92	71 - 125
Acetone	125	172		ug/L		138	56 - 142
Benzene	25.0	22.2		ug/L		89	71 - 124
Bromodichloromethane	25.0	22.5		ug/L		90	80 - 122
Bromoform	25.0	22.3		ug/L		89	52 - 132
Bromomethane	25.0	23.1		ug/L		92	55 - 144
Carbon disulfide	25.0	17.8		ug/L		71	59 - 134
Carbon tetrachloride	25.0	21.3		ug/L		85	72 - 134
Chlorobenzene	25.0	20.9		ug/L		84	72 - 120
Chloroethane	25.0	22.1		ug/L		88	69 - 136
Chloroform	25.0	22.1		ug/L		88	73 - 127
Chloromethane	25.0	21.1		ug/L		84	68 - 124
cis-1,2-Dichloroethene	25.0	21.7		ug/L		87	74 - 124
cis-1,3-Dichloropropene	25.0	22.0		ug/L		88	74 - 124
Cyclohexane	25.0	21.4		ug/L		86	59 - 135
Dibromochloromethane	25.0	23.1		ug/L		93	75 - 125
Dichlorodifluoromethane	25.0	17.7		ug/L		71	59 - 135
Ethylbenzene	25.0	20.9		ug/L		84	77 - 123
Isopropylbenzene	25.0	21.2		ug/L		85	77 - 122
Methyl acetate	125	111		ug/L		89	74 - 133
Methyl tert-butyl ether	25.0	20.8		ug/L		83	64 - 127
Methylcyclohexane	25.0	21.6		ug/L		86	61 - 138
Methylene Chloride	25.0	21.0		ug/L		84	57 - 132
Styrene	25.0	21.7		ug/L		87	70 - 130
Tetrachloroethene	25.0	22.1		ug/L		89	74 - 122
Toluene	25.0	21.2		ug/L		85	80 - 122
trans-1,2-Dichloroethene	25.0	20.3		ug/L		81	73 - 127
trans-1,3-Dichloropropene	25.0	21.2		ug/L		85	72 - 123
Trichloroethene	25.0	21.3		ug/L		85	74 - 123
Trichlorofluoromethane	25.0	24.2		ug/L		97	62 - 152
Vinyl chloride	25.0	22.5		ug/L		90	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		66 - 137
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	96		60 - 140
Toluene-d8 (Surr)	89		71 - 126

Lab Sample ID: 480-97194-19 MS

Matrix: Water

Analysis Batch: 294033

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	22.5		ug/L		90	73 - 126
1,1,2,2-Tetrachloroethane	1.0	U	25.0	23.6		ug/L		94	70 - 126
1,1,2-Trichloro-1,2,2-trifluoroethane	0.39	J	25.0	19.8		ug/L		78	52 - 148
1,1,2-Trichloroethane	1.0	U	25.0	21.9		ug/L		88	76 - 122

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: 480-97194-19 MS

Matrix: Water

Analysis Batch: 294033

Client Sample ID: 4009-271

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	1.0	U	25.0	22.7		ug/L		91	71 - 129
1,1-Dichloroethene	1.0	U	25.0	18.8		ug/L		75	58 - 121
1,2,3-Trimethylbenzene	1.0	U	25.0	26.1		ug/L		104	67 - 138
1,2,4-Trichlorobenzene	1.0	U	25.0	24.2		ug/L		97	70 - 122
1,2,4-Trimethylbenzene	1.0	U	25.0	22.7		ug/L		91	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	21.7		ug/L		87	77 - 120
1,2-Dichlorobenzene	1.0	U	25.0	22.8		ug/L		91	80 - 124
1,2-Dichloroethane	1.0	U	25.0	22.0		ug/L		88	75 - 127
1,2-Dichloropropane	1.0	U	25.0	22.7		ug/L		91	76 - 120
1,3,5-Trimethylbenzene	1.0	U	25.0	23.2		ug/L		93	77 - 121
1,3-Dichlorobenzene	1.0	U	25.0	23.7		ug/L		95	77 - 120
1,4-Dichlorobenzene	1.0	U	25.0	23.1		ug/L		92	75 - 120
2-Butanone (MEK)	10	U	125	136		ug/L		108	57 - 140
2-Hexanone	5.0	U	125	125		ug/L		100	65 - 127
4-Methyl-2-pentanone (MIBK)	5.0	U	125	118		ug/L		94	71 - 125
Acetone	10	U	125	138		ug/L		110	56 - 142
Benzene	1.0	U	25.0	22.6		ug/L		90	71 - 124
Bromodichloromethane	1.0	U	25.0	23.1		ug/L		92	80 - 122
Bromoform	1.0	U	25.0	23.4		ug/L		94	52 - 132
Bromomethane	1.0	U	25.0	24.4		ug/L		98	55 - 144
Carbon disulfide	1.0	U	25.0	16.9		ug/L		68	59 - 134
Carbon tetrachloride	1.0	U	25.0	21.2		ug/L		85	72 - 134
Chlorobenzene	1.0	U	25.0	21.9		ug/L		87	72 - 120
Chloroethane	1.0	U	25.0	23.9		ug/L		96	69 - 136
Chloroform	1.0	U	25.0	22.6		ug/L		90	73 - 127
Chloromethane	1.0	U	25.0	22.9		ug/L		92	68 - 124
cis-1,2-Dichloroethene	1.0	U	25.0	22.3		ug/L		89	74 - 124
cis-1,3-Dichloropropene	1.0	U	25.0	22.0		ug/L		88	74 - 124
Cyclohexane	1.0	U	25.0	19.9		ug/L		80	59 - 135
Dibromochloromethane	1.0	U	25.0	23.3		ug/L		93	75 - 125
Dichlorodifluoromethane	1.0	U	25.0	17.4		ug/L		70	59 - 135
Ethylbenzene	1.0	U	25.0	21.2		ug/L		85	77 - 123
Isopropylbenzene	1.0	U	25.0	22.5		ug/L		90	77 - 122
Methyl acetate	2.5	U	125	107		ug/L		86	74 - 133
Methyl tert-butyl ether	1.0	U	25.0	21.0		ug/L		84	64 - 127
Methylcyclohexane	1.0	U	25.0	19.6		ug/L		78	61 - 138
Methylene Chloride	1.0	U	25.0	23.1		ug/L		92	57 - 132
Styrene	1.0	U	25.0	22.4		ug/L		90	70 - 130
Tetrachloroethene	1.0	U	25.0	21.6		ug/L		87	74 - 122
Toluene	1.0	U	25.0	21.4		ug/L		85	80 - 122
trans-1,2-Dichloroethene	1.0	U	25.0	21.5		ug/L		86	73 - 127
trans-1,3-Dichloropropene	1.0	U	25.0	20.2		ug/L		81	72 - 123
Trichloroethene	1.4		25.0	22.7		ug/L		85	74 - 123
Trichlorofluoromethane	1.0	U	25.0	24.6		ug/L		99	62 - 152
Vinyl chloride	1.0	U	25.0	23.3		ug/L		93	65 - 133

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: 480-97194-19 MS

Matrix: Water

Analysis Batch: 294033

Client Sample ID: 4009-271

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		66 - 137
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	94		60 - 140
Toluene-d8 (Surr)	86		71 - 126

Lab Sample ID: 480-97194-19 MSD

Matrix: Water

Analysis Batch: 294033

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	22.0		ug/L		88	73 - 126	2	15
1,1,2,2-Tetrachloroethane	1.0	U	25.0	22.5		ug/L		90	70 - 126	5	15
1,1,2-Trichloro-1,2,2-trifluoroethane	0.39	J	25.0	19.3		ug/L		76	52 - 148	2	20
1,1,2-Trichloroethane	1.0	U	25.0	22.0		ug/L		88	76 - 122	1	15
1,1-Dichloroethane	1.0	U	25.0	22.4		ug/L		90	71 - 129	1	20
1,1-Dichloroethene	1.0	U	25.0	18.2		ug/L		73	58 - 121	3	16
1,2,3-Trimethylbenzene	1.0	U	25.0	24.4		ug/L		98	67 - 138	7	20
1,2,4-Trichlorobenzene	1.0	U	25.0	23.1		ug/L		93	70 - 122	4	20
1,2,4-Trimethylbenzene	1.0	U	25.0	21.4		ug/L		86	76 - 121	6	20
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	22.4		ug/L		90	56 - 134	3	15
1,2-Dibromoethane	1.0	U	25.0	21.1		ug/L		84	77 - 120	3	15
1,2-Dichlorobenzene	1.0	U	25.0	22.0		ug/L		88	80 - 124	4	20
1,2-Dichloroethane	1.0	U	25.0	22.6		ug/L		91	75 - 127	3	20
1,2-Dichloropropane	1.0	U	25.0	23.2		ug/L		93	76 - 120	2	20
1,3,5-Trimethylbenzene	1.0	U	25.0	21.8		ug/L		87	77 - 121	6	20
1,3-Dichlorobenzene	1.0	U	25.0	22.5		ug/L		90	77 - 120	5	20
1,4-Dichlorobenzene	1.0	U	25.0	22.2		ug/L		89	75 - 120	4	20
2-Butanone (MEK)	10	U	125	134		ug/L		107	57 - 140	1	20
2-Hexanone	5.0	U	125	120		ug/L		96	65 - 127	4	15
4-Methyl-2-pentanone (MIBK)	5.0	U	125	116		ug/L		93	71 - 125	1	35
Acetone	10	U	125	139		ug/L		111	56 - 142	1	15
Benzene	1.0	U	25.0	22.3		ug/L		89	71 - 124	1	13
Bromodichloromethane	1.0	U	25.0	23.3		ug/L		93	80 - 122	1	15
Bromoform	1.0	U	25.0	23.0		ug/L		92	52 - 132	2	15
Bromomethane	1.0	U	25.0	23.8		ug/L		95	55 - 144	2	15
Carbon disulfide	1.0	U	25.0	16.2		ug/L		65	59 - 134	4	15
Carbon tetrachloride	1.0	U	25.0	20.2		ug/L		81	72 - 134	5	15
Chlorobenzene	1.0	U	25.0	21.0		ug/L		84	72 - 120	4	25
Chloroethane	1.0	U	25.0	22.7		ug/L		91	69 - 136	5	15
Chloroform	1.0	U	25.0	22.4		ug/L		90	73 - 127	1	20
Chloromethane	1.0	U	25.0	22.3		ug/L		89	68 - 124	3	15
cis-1,2-Dichloroethene	1.0	U	25.0	22.1		ug/L		88	74 - 124	1	15
cis-1,3-Dichloropropene	1.0	U	25.0	21.6		ug/L		86	74 - 124	2	15
Cyclohexane	1.0	U	25.0	18.2		ug/L		73	59 - 135	9	20
Dibromochloromethane	1.0	U	25.0	23.4		ug/L		94	75 - 125	0	15
Dichlorodifluoromethane	1.0	U	25.0	15.7		ug/L		63	59 - 135	10	20
Ethylbenzene	1.0	U	25.0	20.9		ug/L		83	77 - 123	2	15

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: 480-97194-19 MSD

Matrix: Water

Analysis Batch: 294033

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
Isopropylbenzene	1.0	U	25.0	21.1		ug/L		84	77 - 122	6	20
Methyl acetate	2.5	U	125	108		ug/L		87	74 - 133	1	20
Methyl tert-butyl ether	1.0	U	25.0	21.4		ug/L		86	64 - 127	2	37
Methylcyclohexane	1.0	U	25.0	18.2		ug/L		73	61 - 138	7	20
Methylene Chloride	1.0	U	25.0	23.4		ug/L		94	57 - 132	1	15
Styrene	1.0	U	25.0	22.4		ug/L		90	70 - 130	0	20
Tetrachloroethene	1.0	U	25.0	20.3		ug/L		81	74 - 122	6	20
Toluene	1.0	U	25.0	21.0		ug/L		84	80 - 122	2	15
trans-1,2-Dichloroethene	1.0	U	25.0	20.5		ug/L		82	73 - 127	5	20
trans-1,3-Dichloropropene	1.0	U	25.0	20.2		ug/L		81	72 - 123	0	15
Trichloroethene	1.4		25.0	21.8		ug/L		82	74 - 123	4	16
Trichlorofluoromethane	1.0	U	25.0	22.5		ug/L		90	62 - 152	9	20
Vinyl chloride	1.0	U	25.0	22.2		ug/L		89	65 - 133	5	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Dibromofluoromethane (Surr)	94		60 - 140
Toluene-d8 (Surr)	88		71 - 126

Lab Sample ID: MB 480-294243/8

Matrix: Water

Analysis Batch: 294243

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			04/06/16 12:15	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			04/06/16 12:15	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			04/06/16 12:15	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			04/06/16 12:15	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			04/06/16 12:15	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			04/06/16 12:15	1
1,2,3-Trimethylbenzene	1.0	U	1.0	0.26	ug/L			04/06/16 12:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			04/06/16 12:15	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.75	ug/L			04/06/16 12:15	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			04/06/16 12:15	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			04/06/16 12:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			04/06/16 12:15	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			04/06/16 12:15	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			04/06/16 12:15	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.77	ug/L			04/06/16 12:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			04/06/16 12:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			04/06/16 12:15	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			04/06/16 12:15	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			04/06/16 12:15	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			04/06/16 12:15	1
Acetone	10	U	10	3.0	ug/L			04/06/16 12:15	1
Benzene	1.0	U	1.0	0.41	ug/L			04/06/16 12:15	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			04/06/16 12:15	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: MB 480-294243/8

Matrix: Water

Analysis Batch: 294243

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.26	ug/L			04/06/16 12:15	1
Bromomethane	1.0	U	1.0	0.69	ug/L			04/06/16 12:15	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			04/06/16 12:15	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			04/06/16 12:15	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			04/06/16 12:15	1
Chloroethane	1.0	U	1.0	0.32	ug/L			04/06/16 12:15	1
Chloroform	1.0	U	1.0	0.34	ug/L			04/06/16 12:15	1
Chloromethane	1.0	U	1.0	0.35	ug/L			04/06/16 12:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			04/06/16 12:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			04/06/16 12:15	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			04/06/16 12:15	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			04/06/16 12:15	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			04/06/16 12:15	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			04/06/16 12:15	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			04/06/16 12:15	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			04/06/16 12:15	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			04/06/16 12:15	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			04/06/16 12:15	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			04/06/16 12:15	1
Styrene	1.0	U	1.0	0.73	ug/L			04/06/16 12:15	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			04/06/16 12:15	1
Toluene	1.0	U	1.0	0.51	ug/L			04/06/16 12:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			04/06/16 12:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			04/06/16 12:15	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			04/06/16 12:15	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			04/06/16 12:15	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			04/06/16 12:15	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			04/06/16 12:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		04/06/16 12:15	1
4-Bromofluorobenzene (Surr)	93		73 - 120		04/06/16 12:15	1
Dibromofluoromethane (Surr)	99		60 - 140		04/06/16 12:15	1
Toluene-d8 (Surr)	89		71 - 126		04/06/16 12:15	1

Lab Sample ID: LCS 480-294243/5

Matrix: Water

Analysis Batch: 294243

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	26.0		ug/L		104	73 - 126
1,1,1,2-Tetrachloroethane	25.0	25.7		ug/L		103	70 - 126
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.9		ug/L		112	52 - 148
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	26.8		ug/L		107	71 - 129
1,1-Dichloroethene	25.0	24.4		ug/L		98	58 - 121
1,2,3-Trimethylbenzene	25.0	24.7		ug/L		99	67 - 138

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: LCS 480-294243/5

Matrix: Water

Analysis Batch: 294243

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	25.0	27.1		ug/L		108	70 - 122
1,2,4-Trimethylbenzene	25.0	25.0		ug/L		100	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	27.2		ug/L		109	56 - 134
1,2-Dibromoethane	25.0	23.9		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	24.7		ug/L		99	75 - 127
1,2-Dichloropropane	25.0	26.2		ug/L		105	76 - 120
1,3,5-Trimethylbenzene	25.0	25.3		ug/L		101	77 - 121
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.0		ug/L		100	75 - 120
2-Butanone (MEK)	125	153		ug/L		122	57 - 140
2-Hexanone	125	142		ug/L		114	65 - 127
4-Methyl-2-pentanone (MIBK)	125	129		ug/L		103	71 - 125
Acetone	125	188	*	ug/L		150	56 - 142
Benzene	25.0	25.4		ug/L		102	71 - 124
Bromodichloromethane	25.0	25.4		ug/L		102	80 - 122
Bromoform	25.0	25.8		ug/L		103	52 - 132
Bromomethane	25.0	26.3		ug/L		105	55 - 144
Carbon disulfide	25.0	25.5		ug/L		102	59 - 134
Carbon tetrachloride	25.0	25.8		ug/L		103	72 - 134
Chlorobenzene	25.0	24.0		ug/L		96	72 - 120
Chloroethane	25.0	23.5		ug/L		94	69 - 136
Chloroform	25.0	25.7		ug/L		103	73 - 127
Chloromethane	25.0	26.5		ug/L		106	68 - 124
cis-1,2-Dichloroethene	25.0	24.7		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	25.2		ug/L		101	74 - 124
Cyclohexane	25.0	26.2		ug/L		105	59 - 135
Dibromochloromethane	25.0	26.4		ug/L		106	75 - 125
Dichlorodifluoromethane	25.0	26.4		ug/L		105	59 - 135
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
Isopropylbenzene	25.0	24.9		ug/L		99	77 - 122
Methyl acetate	125	131		ug/L		105	74 - 133
Methyl tert-butyl ether	25.0	24.7		ug/L		99	64 - 127
Methylcyclohexane	25.0	26.2		ug/L		105	61 - 138
Methylene Chloride	25.0	23.6		ug/L		95	57 - 132
Styrene	25.0	24.8		ug/L		99	70 - 130
Tetrachloroethene	25.0	26.5		ug/L		106	74 - 122
Toluene	25.0	24.9		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	72 - 123
Trichloroethene	25.0	25.2		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	26.4		ug/L		106	62 - 152
Vinyl chloride	25.0	27.0		ug/L		108	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		66 - 137
4-Bromofluorobenzene (Surr)	98		73 - 120
Dibromofluoromethane (Surr)	98		60 - 140

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: LCS 480-294243/5

Matrix: Water

Analysis Batch: 294243

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	90		71 - 126

Lab Sample ID: LCSD 480-294243/6

Matrix: Water

Analysis Batch: 294243

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	25.3		ug/L		101	73 - 126	3	15
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		101	70 - 126	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.1		ug/L		104	52 - 148	7	20
1,1,2-Trichloroethane	25.0	23.8		ug/L		95	76 - 122	1	15
1,1-Dichloroethane	25.0	25.5		ug/L		102	71 - 129	5	20
1,1-Dichloroethene	25.0	23.6		ug/L		94	58 - 121	4	16
1,2,3-Trimethylbenzene	25.0	23.8		ug/L		95	67 - 138	3	20
1,2,4-Trichlorobenzene	25.0	26.4		ug/L		106	70 - 122	3	20
1,2,4-Trimethylbenzene	25.0	23.5		ug/L		94	76 - 121	6	20
1,2-Dibromo-3-Chloropropane	25.0	26.3		ug/L		105	56 - 134	3	15
1,2-Dibromoethane	25.0	23.8		ug/L		95	77 - 120	0	15
1,2-Dichlorobenzene	25.0	23.4		ug/L		94	80 - 124	5	20
1,2-Dichloroethane	25.0	23.7		ug/L		95	75 - 127	4	20
1,2-Dichloropropane	25.0	24.9		ug/L		100	76 - 120	5	20
1,3,5-Trimethylbenzene	25.0	23.9		ug/L		96	77 - 121	6	20
1,3-Dichlorobenzene	25.0	24.7		ug/L		99	77 - 120	3	20
1,4-Dichlorobenzene	25.0	24.3		ug/L		97	75 - 120	3	20
2-Butanone (MEK)	125	133		ug/L		106	57 - 140	14	20
2-Hexanone	125	141		ug/L		113	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		103	71 - 125	1	35
Acetone	125	179 *		ug/L		143	56 - 142	5	15
Benzene	25.0	25.0		ug/L		100	71 - 124	2	13
Bromodichloromethane	25.0	25.1		ug/L		101	80 - 122	1	15
Bromoform	25.0	26.1		ug/L		104	52 - 132	1	15
Bromomethane	25.0	25.6		ug/L		102	55 - 144	3	15
Carbon disulfide	25.0	24.7		ug/L		99	59 - 134	3	15
Carbon tetrachloride	25.0	24.6		ug/L		98	72 - 134	5	15
Chlorobenzene	25.0	23.3		ug/L		93	72 - 120	3	25
Chloroethane	25.0	24.1		ug/L		96	69 - 136	2	15
Chloroform	25.0	24.5		ug/L		98	73 - 127	5	20
Chloromethane	25.0	25.4		ug/L		102	68 - 124	4	15
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124	1	15
cis-1,3-Dichloropropene	25.0	24.3		ug/L		97	74 - 124	4	15
Cyclohexane	25.0	25.9		ug/L		103	59 - 135	1	20
Dibromochloromethane	25.0	27.1		ug/L		109	75 - 125	3	15
Dichlorodifluoromethane	25.0	25.4		ug/L		101	59 - 135	4	20
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123	3	15
Isopropylbenzene	25.0	23.7		ug/L		95	77 - 122	5	20
Methyl acetate	125	128		ug/L		103	74 - 133	2	20
Methyl tert-butyl ether	25.0	24.2		ug/L		97	64 - 127	2	37

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: LCSD 480-294243/6

Matrix: Water

Analysis Batch: 294243

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylcyclohexane	25.0	25.7		ug/L		103	61 - 138	2	20
Methylene Chloride	25.0	23.3		ug/L		93	57 - 132	1	15
Styrene	25.0	24.5		ug/L		98	70 - 130	1	20
Tetrachloroethene	25.0	25.4		ug/L		101	74 - 122	4	20
Toluene	25.0	23.8		ug/L		95	80 - 122	4	15
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127	1	20
trans-1,3-Dichloropropene	25.0	23.4		ug/L		94	72 - 123	0	15
Trichloroethene	25.0	24.8		ug/L		99	74 - 123	2	16
Trichlorofluoromethane	25.0	24.7		ug/L		99	62 - 152	7	20
Vinyl chloride	25.0	25.6		ug/L		102	65 - 133	5	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		66 - 137
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	96		60 - 140
Toluene-d8 (Surr)	89		71 - 126

Lab Sample ID: 480-97194-22 MS

Matrix: Water

Analysis Batch: 294243

Client Sample ID: 4009-29S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	800		500	1110	*	ug/L		61	73 - 126
1,1,1,2-Tetrachloroethane	20	U	500	508		ug/L		102	70 - 126
1,1,2-Trichloro-1,2,2-trifluoroethane	11	J	500	555		ug/L		109	52 - 148
1,1,2-Trichloroethane	20	U	500	482		ug/L		96	76 - 122
1,1-Dichloroethane	66		500	557		ug/L		98	71 - 129
1,1-Dichloroethene	54		500	524		ug/L		94	58 - 121
1,2,3-Trimethylbenzene	20	U	500	17.7	J *	ug/L		4	67 - 138
1,2,4-Trichlorobenzene	20	U	500	500		ug/L		100	70 - 122
1,2,4-Trimethylbenzene	20	U	500	479		ug/L		96	76 - 121
1,2-Dibromo-3-Chloropropane	20	U	500	490		ug/L		98	56 - 134
1,2-Dibromoethane	20	U	500	476		ug/L		95	77 - 120
1,2-Dichlorobenzene	20	U	500	485		ug/L		97	80 - 124
1,2-Dichloroethane	20	U	500	479		ug/L		96	75 - 127
1,2-Dichloropropane	20	U	500	502		ug/L		100	76 - 120
1,3,5-Trimethylbenzene	20	U	500	494		ug/L		99	77 - 121
1,3-Dichlorobenzene	20	U	500	498		ug/L		100	77 - 120
1,4-Dichlorobenzene	20	U	500	482		ug/L		96	75 - 120
2-Butanone (MEK)	200	U	2500	2830		ug/L		113	57 - 140
2-Hexanone	100	U	2500	2650		ug/L		106	65 - 127
4-Methyl-2-pentanone (MIBK)	100	U	2500	2580		ug/L		103	71 - 125
Acetone	200	U *	2500	2950		ug/L		118	56 - 142
Benzene	20	U	500	499		ug/L		100	71 - 124
Bromodichloromethane	20	U	500	496		ug/L		99	80 - 122
Bromoform	20	U	500	503		ug/L		101	52 - 132
Bromomethane	20	U	500	511		ug/L		102	55 - 144

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: 480-97194-22 MS

Matrix: Water

Analysis Batch: 294243

Client Sample ID: 4009-29S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	20	U	500	501		ug/L		100	59 - 134
Carbon tetrachloride	20	U	500	503		ug/L		101	72 - 134
Chlorobenzene	20	U	500	479		ug/L		96	72 - 120
Chloroethane	20	U	500	490		ug/L		98	69 - 136
Chloroform	20	U	500	493		ug/L		99	73 - 127
Chloromethane	20	U	500	522		ug/L		104	68 - 124
cis-1,2-Dichloroethene	390		500	789		ug/L		81	74 - 124
cis-1,3-Dichloropropene	20	U	500	464		ug/L		93	74 - 124
Cyclohexane	20	U	500	517		ug/L		103	59 - 135
Dibromochloromethane	20	U	500	523		ug/L		105	75 - 125
Dichlorodifluoromethane	20	U	500	513		ug/L		103	59 - 135
Ethylbenzene	20	U	500	474		ug/L		95	77 - 123
Isopropylbenzene	20	U	500	492		ug/L		98	77 - 122
Methyl acetate	50	U	2500	2500		ug/L		100	74 - 133
Methyl tert-butyl ether	20	U	500	469		ug/L		94	64 - 127
Methylcyclohexane	20	U	500	486		ug/L		97	61 - 138
Methylene Chloride	30		500	470		ug/L		88	57 - 132
Styrene	20	U	500	496		ug/L		99	70 - 130
Tetrachloroethene	20	U	500	506		ug/L		101	74 - 122
Toluene	20	U	500	490		ug/L		98	80 - 122
trans-1,2-Dichloroethene	20	U	500	477		ug/L		95	73 - 127
trans-1,3-Dichloropropene	20	U	500	448		ug/L		90	72 - 123
Trichloroethene	12	J	500	487		ug/L		95	74 - 123
Trichlorofluoromethane	20	U	500	518		ug/L		104	62 - 152
Vinyl chloride	120		500	610		ug/L		99	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		66 - 137
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	94		60 - 140
Toluene-d8 (Surr)	90		71 - 126

Lab Sample ID: 480-97194-22 MSD

Matrix: Water

Analysis Batch: 294243

Client Sample ID: 4009-29S

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	800		500	1080	*	ug/L		56	73 - 126	2	15
1,1,2,2-Tetrachloroethane	20	U	500	476		ug/L		95	70 - 126	7	15
1,1,2-Trichloro-1,2,2-trifluoroethane	11	J	500	525		ug/L		103	52 - 148	6	20
1,1,2-Trichloroethane	20	U	500	492		ug/L		98	76 - 122	2	15
1,1-Dichloroethane	66		500	544		ug/L		96	71 - 129	2	20
1,1-Dichloroethene	54		500	505		ug/L		90	58 - 121	4	16
1,2,3-Trimethylbenzene	20	U	500	16.8	J *	ug/L		3	67 - 138	5	20
1,2,4-Trichlorobenzene	20	U	500	495		ug/L		99	70 - 122	1	20
1,2,4-Trimethylbenzene	20	U	500	464		ug/L		93	76 - 121	3	20
1,2-Dibromo-3-Chloropropane	20	U	500	472		ug/L		94	56 - 134	4	15

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97194-1

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

Lab Sample ID: 480-97194-22 MSD

Matrix: Water

Analysis Batch: 294243

Client Sample ID: 4009-29S

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-Dibromoethane	20	U	500	480		ug/L		96	77 - 120	1	15
1,2-Dichlorobenzene	20	U	500	470		ug/L		94	80 - 124	3	20
1,2-Dichloroethane	20	U	500	481		ug/L		96	75 - 127	1	20
1,2-Dichloropropane	20	U	500	487		ug/L		97	76 - 120	3	20
1,3,5-Trimethylbenzene	20	U	500	469		ug/L		94	77 - 121	5	20
1,3-Dichlorobenzene	20	U	500	479		ug/L		96	77 - 120	4	20
1,4-Dichlorobenzene	20	U	500	469		ug/L		94	75 - 120	3	20
2-Butanone (MEK)	200	U	2500	2860		ug/L		115	57 - 140	1	20
2-Hexanone	100	U	2500	2690		ug/L		107	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	100	U	2500	2570		ug/L		103	71 - 125	0	35
Acetone	200	U *	2500	3080		ug/L		123	56 - 142	5	15
Benzene	20	U	500	490		ug/L		98	71 - 124	2	13
Bromodichloromethane	20	U	500	494		ug/L		99	80 - 122	0	15
Bromoform	20	U	500	503		ug/L		101	52 - 132	0	15
Bromomethane	20	U	500	512		ug/L		102	55 - 144	0	15
Carbon disulfide	20	U	500	489		ug/L		98	59 - 134	2	15
Carbon tetrachloride	20	U	500	490		ug/L		98	72 - 134	3	15
Chlorobenzene	20	U	500	473		ug/L		95	72 - 120	1	25
Chloroethane	20	U	500	476		ug/L		95	69 - 136	3	15
Chloroform	20	U	500	495		ug/L		99	73 - 127	0	20
Chloromethane	20	U	500	517		ug/L		103	68 - 124	1	15
cis-1,2-Dichloroethene	390		500	783		ug/L		80	74 - 124	1	15
cis-1,3-Dichloropropene	20	U	500	475		ug/L		95	74 - 124	2	15
Cyclohexane	20	U	500	490		ug/L		98	59 - 135	5	20
Dibromochloromethane	20	U	500	528		ug/L		106	75 - 125	1	15
Dichlorodifluoromethane	20	U	500	504		ug/L		101	59 - 135	2	20
Ethylbenzene	20	U	500	475		ug/L		95	77 - 123	0	15
Isopropylbenzene	20	U	500	462		ug/L		92	77 - 122	6	20
Methyl acetate	50	U	2500	2530		ug/L		101	74 - 133	1	20
Methyl tert-butyl ether	20	U	500	482		ug/L		96	64 - 127	3	37
Methylcyclohexane	20	U	500	481		ug/L		96	61 - 138	1	20
Methylene Chloride	30		500	470		ug/L		88	57 - 132	0	15
Styrene	20	U	500	502		ug/L		100	70 - 130	1	20
Tetrachloroethene	20	U	500	493		ug/L		99	74 - 122	3	20
Toluene	20	U	500	476		ug/L		95	80 - 122	3	15
trans-1,2-Dichloroethene	20	U	500	486		ug/L		97	73 - 127	2	20
trans-1,3-Dichloropropene	20	U	500	455		ug/L		91	72 - 123	2	15
Trichloroethene	12	J	500	486		ug/L		95	74 - 123	0	16
Trichlorofluoromethane	20	U	500	502		ug/L		100	62 - 152	3	20
Vinyl chloride	120		500	585		ug/L		94	65 - 133	4	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		66 - 137
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	95		60 - 140
Toluene-d8 (Surr)	91		71 - 126

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-97194-1

GC/MS VOA

Analysis Batch: 293982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-97194-1	WELL 1-2A	Total/NA	Water	8260C	
480-97194-2	WELL 1-3	Total/NA	Water	8260C	
480-97194-3	WELL 1-1	Total/NA	Water	8260C	
480-97194-4	4009-9	Total/NA	Water	8260C	
480-97194-5	4009-10	Total/NA	Water	8260C	
480-97194-6	4009-11	Total/NA	Water	8260C	
480-97194-7	4009-12	Total/NA	Water	8260C	
480-97194-8	4009-13	Total/NA	Water	8260C	
480-97194-9	4009-13A	Total/NA	Water	8260C	
480-97194-10	4009-14	Total/NA	Water	8260C	
480-97194-10 MS	4009-14	Total/NA	Water	8260C	
480-97194-10 MSD	4009-14	Total/NA	Water	8260C	
480-97194-11	4009-15	Total/NA	Water	8260C	
480-97194-12	4009-16	Total/NA	Water	8260C	
480-97194-13	4009-16A	Total/NA	Water	8260C	
LCS 480-293982/30	Lab Control Sample	Total/NA	Water	8260C	
MB 480-293982/8	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 294033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-97194-14	4009-18	Total/NA	Water	8260C	
480-97194-15	4009-19	Total/NA	Water	8260C	
480-97194-16	4009-21	Total/NA	Water	8260C	
480-97194-17	4009-22	Total/NA	Water	8260C	
480-97194-18	4009-27S	Total/NA	Water	8260C	
480-97194-19	4009-27I	Total/NA	Water	8260C	
480-97194-19 MS	4009-27I	Total/NA	Water	8260C	
480-97194-19 MSD	4009-27I	Total/NA	Water	8260C	
480-97194-20	4009-27D	Total/NA	Water	8260C	
480-97194-21	4009-28	Total/NA	Water	8260C	
480-97194-22	4009-29S	Total/NA	Water	8260C	
480-97194-23	4009-29I	Total/NA	Water	8260C	
480-97194-24	4009-29D	Total/NA	Water	8260C	
480-97194-25	4009-30	Total/NA	Water	8260C	
480-97194-26	4009-30A	Total/NA	Water	8260C	
480-97194-27	4009-11A	Total/NA	Water	8260C	
480-97194-28	DUP-1	Total/NA	Water	8260C	
480-97194-29	DUP-2	Total/NA	Water	8260C	
480-97194-30	FIELD BLANK	Total/NA	Water	8260C	
480-97194-31	TRIP BLANK	Total/NA	Water	8260C	
LCS 480-294033/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-294033/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 294243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-97194-22 - DL	4009-29S	Total/NA	Water	8260C	
480-97194-22 MS	4009-29S	Total/NA	Water	8260C	
480-97194-22 MSD	4009-29S	Total/NA	Water	8260C	
480-97194-23 - DL	4009-29I	Total/NA	Water	8260C	
480-97194-29 - DL	DUP-2	Total/NA	Water	8260C	
LCS 480-294243/5	Lab Control Sample	Total/NA	Water	8260C	

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-97194-1

GC/MS VOA (Continued)

Analysis Batch: 294243 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 480-294243/6	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-294243/8	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: WELL 1-2A

Date Collected: 03/28/16 13:10

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	293982	04/05/16 00:50	GTG	TAL BUF

Client Sample ID: WELL 1-3

Date Collected: 03/28/16 13:00

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	293982	04/05/16 01:14	GTG	TAL BUF

Client Sample ID: WELL 1-1

Date Collected: 03/28/16 09:20

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	293982	04/05/16 01:37	GTG	TAL BUF

Client Sample ID: 4009-9

Date Collected: 03/28/16 10:15

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	293982	04/05/16 02:01	GTG	TAL BUF

Client Sample ID: 4009-10

Date Collected: 03/28/16 10:20

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	293982	04/05/16 02:25	GTG	TAL BUF

Client Sample ID: 4009-11

Date Collected: 03/28/16 10:25

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	293982	04/05/16 02:48	GTG	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-12

Date Collected: 03/28/16 09:30

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	293982	04/05/16 03:12	GTG	TAL BUF

Client Sample ID: 4009-13

Date Collected: 03/28/16 10:05

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	293982	04/05/16 03:36	GTG	TAL BUF

Client Sample ID: 4009-13A

Date Collected: 03/28/16 10:10

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	293982	04/05/16 03:59	GTG	TAL BUF

Client Sample ID: 4009-14

Date Collected: 03/28/16 08:25

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	293982	04/05/16 05:34	GTG	TAL BUF

Client Sample ID: 4009-15

Date Collected: 03/28/16 09:15

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	293982	04/05/16 04:23	GTG	TAL BUF

Client Sample ID: 4009-16

Date Collected: 03/28/16 09:00

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	293982	04/05/16 04:47	GTG	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-16A

Lab Sample ID: 480-97194-13

Date Collected: 03/28/16 08:55

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	293982	04/05/16 05:10	GTG	TAL BUF

Client Sample ID: 4009-18

Lab Sample ID: 480-97194-14

Date Collected: 03/28/16 08:30

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 11:50	SMY	TAL BUF

Client Sample ID: 4009-19

Lab Sample ID: 480-97194-15

Date Collected: 03/28/16 08:50

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 12:14	SMY	TAL BUF

Client Sample ID: 4009-21

Lab Sample ID: 480-97194-16

Date Collected: 03/28/16 08:45

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 12:38	SMY	TAL BUF

Client Sample ID: 4009-22

Lab Sample ID: 480-97194-17

Date Collected: 03/28/16 08:20

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 13:02	SMY	TAL BUF

Client Sample ID: 4009-27S

Lab Sample ID: 480-97194-18

Date Collected: 03/28/16 09:50

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 13:26	SMY	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-27I

Lab Sample ID: 480-97194-19

Date Collected: 03/28/16 09:55

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 13:50	SMY	TAL BUF

Client Sample ID: 4009-27D

Lab Sample ID: 480-97194-20

Date Collected: 03/28/16 10:00

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 14:14	SMY	TAL BUF

Client Sample ID: 4009-28

Lab Sample ID: 480-97194-21

Date Collected: 03/28/16 08:15

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 14:38	SMY	TAL BUF

Client Sample ID: 4009-29S

Lab Sample ID: 480-97194-22

Date Collected: 03/28/16 09:35

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 15:02	SMY	TAL BUF
Total/NA	Analysis	8260C	DL	20	294243	04/06/16 13:23	GVF	TAL BUF

Client Sample ID: 4009-29I

Lab Sample ID: 480-97194-23

Date Collected: 03/28/16 09:40

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 15:26	SMY	TAL BUF
Total/NA	Analysis	8260C	DL	25	294243	04/06/16 13:47	GVF	TAL BUF

Client Sample ID: 4009-29D

Lab Sample ID: 480-97194-24

Date Collected: 03/28/16 09:45

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 15:51	SMY	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: 4009-30

Lab Sample ID: 480-97194-25

Date Collected: 03/28/16 09:05

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 16:15	SMY	TAL BUF

Client Sample ID: 4009-30A

Lab Sample ID: 480-97194-26

Date Collected: 03/28/16 09:10

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 16:39	SMY	TAL BUF

Client Sample ID: 4009-11A

Lab Sample ID: 480-97194-27

Date Collected: 03/28/16 10:30

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 17:03	SMY	TAL BUF

Client Sample ID: DUP-1

Lab Sample ID: 480-97194-28

Date Collected: 03/28/16 00:00

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 17:27	SMY	TAL BUF

Client Sample ID: DUP-2

Lab Sample ID: 480-97194-29

Date Collected: 03/28/16 00:00

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 17:51	SMY	TAL BUF
Total/NA	Analysis	8260C	DL	25	294243	04/06/16 14:11	GVF	TAL BUF

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-97194-30

Date Collected: 03/28/16 09:25

Matrix: Water

Date Received: 03/29/16 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 18:15	SMY	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-97194-1

Client Sample ID: TRIP BLANK

Date Collected: 03/28/16 00:00

Date Received: 03/29/16 00:30

Lab Sample ID: 480-97194-31

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	294033	04/05/16 18:39	SMY	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: 480-97194-1

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: 480-97194-1

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: 480-97194-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-97194-1	WELL 1-2A	Water	03/28/16 13:10	03/29/16 00:30
480-97194-2	WELL 1-3	Water	03/28/16 13:00	03/29/16 00:30
480-97194-3	WELL 1-1	Water	03/28/16 09:20	03/29/16 00:30
480-97194-4	4009-9	Water	03/28/16 10:15	03/29/16 00:30
480-97194-5	4009-10	Water	03/28/16 10:20	03/29/16 00:30
480-97194-6	4009-11	Water	03/28/16 10:25	03/29/16 00:30
480-97194-7	4009-12	Water	03/28/16 09:30	03/29/16 00:30
480-97194-8	4009-13	Water	03/28/16 10:05	03/29/16 00:30
480-97194-9	4009-13A	Water	03/28/16 10:10	03/29/16 00:30
480-97194-10	4009-14	Water	03/28/16 08:25	03/29/16 00:30
480-97194-11	4009-15	Water	03/28/16 09:15	03/29/16 00:30
480-97194-12	4009-16	Water	03/28/16 09:00	03/29/16 00:30
480-97194-13	4009-16A	Water	03/28/16 08:55	03/29/16 00:30
480-97194-14	4009-18	Water	03/28/16 08:30	03/29/16 00:30
480-97194-15	4009-19	Water	03/28/16 08:50	03/29/16 00:30
480-97194-16	4009-21	Water	03/28/16 08:45	03/29/16 00:30
480-97194-17	4009-22	Water	03/28/16 08:20	03/29/16 00:30
480-97194-18	4009-27S	Water	03/28/16 09:50	03/29/16 00:30
480-97194-19	4009-27I	Water	03/28/16 09:55	03/29/16 00:30
480-97194-20	4009-27D	Water	03/28/16 10:00	03/29/16 00:30
480-97194-21	4009-28	Water	03/28/16 08:15	03/29/16 00:30
480-97194-22	4009-29S	Water	03/28/16 09:35	03/29/16 00:30
480-97194-23	4009-29I	Water	03/28/16 09:40	03/29/16 00:30
480-97194-24	4009-29D	Water	03/28/16 09:45	03/29/16 00:30
480-97194-25	4009-30	Water	03/28/16 09:05	03/29/16 00:30
480-97194-26	4009-30A	Water	03/28/16 09:10	03/29/16 00:30
480-97194-27	4009-11A	Water	03/28/16 10:30	03/29/16 00:30
480-97194-28	DUP-1	Water	03/28/16 00:00	03/29/16 00:30
480-97194-29	DUP-2	Water	03/28/16 00:00	03/29/16 00:30
480-97194-30	FIELD BLANK	Water	03/28/16 09:25	03/29/16 00:30
480-97194-31	TRIP BLANK	Water	03/28/16 00:00	03/29/16 00:30

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: NY SDEC Standby VESTAL Site:		Lab PM: Stone, Judy L E-Mail: judy.stone@testamericainc.com Carrier Tracking No(s): 480-80959-18519.1 Page: 1 of 3 Job #:																																																																																																														
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TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

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

480501-Albany

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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 Phone: 518-250-7300 Sampler: BQ Due Date Requested: TAT Requested (days): PO #: Project 00266401.0000 WO #: Contract D007618 Project #: 48005198 SSOV#:		Carrier Tracking No(9): COC No: 480-80959-18519.2 Page: Page 2 of 3 Job #:	
Sample Identification Sample ID: 4009-16 Sample ID: 4009-16A Sample ID: 4009-18 Sample ID: 4009-19 Sample ID: 4009-21 Sample ID: 4009-22 Sample ID: 4009-27S Sample ID: 4009-27D Sample ID: 4009-28 Sample ID: 4009-29S		Sample Date: 3/28/16 Sample Time: 0900 Sample Type (C=Comp, G=grab): G Matrix (Water, Solid, Other): Water		Analysis Requested 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: Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecalhydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)	
Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)		Total Number of Containers: 3		Special Instructions/Note: Albany 480501	
Sample Disposal (A fee may be assessed if samples are retained long) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date: 3/28/16 1607		Company: Arcadis	
Relinquished by:		Date: 3/28/16 1607		Company: Arcadis	
Relinquished by:		Date: 3/28/16 1800		Company: FA-AB	
Relinquished by:		Date:		Company:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 0.8 #1	

Chain of Custody Record

TestAmerica Buffalo
480501-Albany
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

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Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-97194-1

Login Number: 97194

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (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

J6A0306

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: 01/19/2016 16:03
Reported: 01/25/2016 09:54

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J6A0306-01
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 10:00

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		01/21/16 1946	01/21/16 1946	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J6A0306-01
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 10:00

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Naphthalene	<0.500	50.0	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Styrene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Toluene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	01/21/16 1946	01/21/16 1946	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	01/21/16 1946	01/21/16 1946	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		01/21/16 1946	01/21/16 1946	SAY
Surrogate: 4-Bromofluorobenzene	86.6		Limit: 70-130	% Rec		01/21/16 1946	01/21/16 1946	SAY
Surrogate: 1,2-Dichlorobenzene-d4	81.6		Limit: 70-130	% Rec		01/21/16 1946	01/21/16 1946	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6A0306-02
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 10:05



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6A0306-02
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 10:05

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		01/21/16 2018	01/21/16 2018	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Styrene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY

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CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6A0306-02
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 10:05

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	01/21/16 2018	01/21/16 2018	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	01/21/16 2018	01/21/16 2018	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		01/21/16 2018	01/21/16 2018	SAY
Surrogate: 4-Bromofluorobenzene	89.4		Limit: 70-130	% Rec		01/21/16 2018	01/21/16 2018	SAY
Surrogate: 1,2-Dichlorobenzene-d4	86.2		Limit: 70-130	% Rec		01/21/16 2018	01/21/16 2018	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6A0306-03
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 09:52



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6A0306-03
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 09:52

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		01/21/16 2051	01/21/16 2051	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Styrene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY

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CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6A0306-03
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 09:52

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	01/21/16 2051	01/21/16 2051	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	01/21/16 2051	01/21/16 2051	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		01/21/16 2051	01/21/16 2051	SAY
Surrogate: 4-Bromofluorobenzene	89.2		Limit: 70-130	% Rec		01/21/16 2051	01/21/16 2051	SAY
Surrogate: 1,2-Dichlorobenzene-d4	82.4		Limit: 70-130	% Rec		01/21/16 2051	01/21/16 2051	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6A0306-04
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 09:56



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6A0306-04
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 09:56

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		01/21/16 2123	01/21/16 2123	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Styrene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY

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CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6A0306-04
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 09:56

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	01/21/16 2123	01/21/16 2123	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	01/21/16 2123	01/21/16 2123	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		01/21/16 2123	01/21/16 2123	SAY
Surrogate: 4-Bromofluorobenzene	89.2		Limit: 70-130	% Rec		01/21/16 2123	01/21/16 2123	SAY
Surrogate: 1,2-Dichlorobenzene-d4	81.4		Limit: 70-130	% Rec		01/21/16 2123	01/21/16 2123	SAY



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CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6A0306-05
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 10:14



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CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6A0306-05
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 10:14

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		01/21/16 2156	01/21/16 2156	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Styrene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Tetrachloroethene	0.600	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY

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CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6A0306-05
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 10:14

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,1,1-Trichloroethane	0.870	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Trichloroethene	0.740	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	01/21/16 2156	01/21/16 2156	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	01/21/16 2156	01/21/16 2156	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		01/21/16 2156	01/21/16 2156	SAY
Surrogate: 4-Bromofluorobenzene	82.4		Limit: 70-130	% Rec		01/21/16 2156	01/21/16 2156	SAY
Surrogate: 1,2-Dichlorobenzene-d4	84.2		Limit: 70-130	% Rec		01/21/16 2156	01/21/16 2156	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6A0306-06
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 11:30



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CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6A0306-06
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 11:30

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		01/21/16 2229	01/21/16 2229	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Styrene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY

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CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6A0306-06
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 01/19/16
Collection Time: 11:30

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	01/21/16 2229	01/21/16 2229	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	01/21/16 2229	01/21/16 2229	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		01/21/16 2229	01/21/16 2229	SAY
Surrogate: 4-Bromofluorobenzene	84.4		Limit: 70-130	% Rec		01/21/16 2229	01/21/16 2229	SAY
Surrogate: 1,2-Dichlorobenzene-d4	87.0		Limit: 70-130	% Rec		01/21/16 2229	01/21/16 2229	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6A0306-07
Sample Type: Trip Blank

Collected By: BNR-Lab
Collection Date: 01/15/16
Collection Time: 11:30



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6A0306-07
Sample Type: Trip Blank

Collected By: BNR-Lab
Collection Date: 01/15/16
Collection Time: 11:30

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		01/21/16 2301	01/21/16 2301	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Styrene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6A0306

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6A0306-07
Sample Type: Trip Blank

Collected By: BNR-Lab
Collection Date: 01/15/16
Collection Time: 11:30

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	01/21/16 2301	01/21/16 2301	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	01/21/16 2301	01/21/16 2301	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		01/21/16 2301	01/21/16 2301	SAY
Surrogate: 4-Bromofluorobenzene	86.2		Limit: 70-130	% Rec		01/21/16 2301	01/21/16 2301	SAY
Surrogate: 1,2-Dichlorobenzene-d4	85.2		Limit: 70-130	% Rec		01/21/16 2301	01/21/16 2301	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: 0.9°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

J6A0306

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

Reviewed and Approved By:

Charlene McSparron For Michael Fifield
Division Manager
01/25/2016 09:54

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.



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J6A0306

vision

Client: **TOWN OF VESTAL**

Project: **Monthly**

Project Number: **Town of Vestal Monthly/Quarterly**

Field Route ID: **CRT-NY-Region-Southern Tier**

Tenatively Scheduled: **1/12/2016**
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: **J6A0306-01**

Matrix: Drinking Water

Type: Grab

Sampled Date & Time: 6/1/19/2016 1500

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
Total Containers: 2			

Sample ID: 1-2A Finished

Lab Sample ID: **J6A0306-02**

Matrix: Drinking Water

Type: Grab

Sampled Date & Time: 6/1/19/2016 1005

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
Total Containers: 2			

Sample ID: 1-3 Raw

Lab Sample ID: **J6A0306-03**

Matrix: Drinking Water

Type: Grab

Sampled Date & Time: 6/1/19/2016 18 0952

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
Total Containers: 2			



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J6A0306

Division

Client: **TOWN OF VESTAL**Project: **Monthly**Project Number: **Town of Vestal Monthly/Quarterly**Field Route ID: **CRT-NY-Region-Southern Tier**Tenatively Scheduled: **1/12/2016****Sample ID: 1-3 Finished**

Lab Sample ID: **J6A0306-04**
 Matrix: **Drinking Water**
 Type: **Grab**

Sampled Date & Time: 01/19/2016 0956

PWSID: _____ Point Type: _____ Compliance Start: _____
 Sampling Point: _____ Frequency: _____ Compliance End: _____
 Point No: _____ Num/Frequency: _____ Sample Location: _____

Analysis	Method	Container	Hold
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524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14
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Total Containers: 2

Sample ID: 4-2 Raw

Lab Sample ID: **J6A0306-05**
 Matrix: **Drinking Water**
 Type: **Grab**

Sampled Date & Time: 01/19/2016 1014

PWSID: _____ Point Type: _____ Compliance Start: _____
 Sampling Point: _____ Frequency: _____ Compliance End: _____
 Point No: _____ Num/Frequency: _____ Sample Location: _____

Analysis	Method	Container	Hold
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524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14
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Total Containers: 2

Sample ID: 4-2 Finished

Lab Sample ID: **J6A0306-06**
 Matrix: **Drinking Water**
 Type: **Grab**

Sampled Date & Time: 01/19/2016 1016

PWSID: _____ Point Type: _____ Compliance Start: _____
 Sampling Point: _____ Frequency: _____ Compliance End: _____
 Point No: _____ Num/Frequency: _____ Sample Location: _____

Analysis	Method	Container	Hold
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524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL	14
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Total Containers: 2

Sample ID: Trip Blank

Lab Sample ID: **J6A0306-07**
 Matrix: **Drinking Water**
 Type: **Trip Blank**

Sampled Date & Time: 01/15/2016 1130



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J6A0306

vision

Client: TOWN OF VESTAL

Project: Monthly

Project Number: Town of Vestal Monthly/Quarterly

Field Route ID: CRT-NY-Region-Southern Tier

Tenatively Scheduled: 1/12/2016

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
Total Containers: 1			
Sampled by: <i>Bethany Robinson</i>	Date/Time: <i>01/19/2016 10:30</i>	Received by: _____	
Printed Name: Bethany Robinson		Printed Name: _____	
Relinquished by: _____	Date/Time: <i>1/19/16 16:03</i>	Received by: <i>Jennifer Walker</i>	
Printed Name: _____		Printed Name: <i>Jennifer Walker</i>	
Relinquished by: _____	Date/Time: _____	Received by: _____	
Printed Name: _____		Printed Name: _____	
As Recieved at Laboratory: On Ice: <i>Yes</i> / No Cooler Temp <i>0.9°C</i>			Total Bottles 13

Notes:

Added via by BNR 01/08/2016 08:47



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

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: 02/16/2016 16:15
Reported: 02/25/2016 14:53

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J6B0477-01
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:22

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		02/23/16 2036	02/23/16 2036	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J6B0477-01
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:22

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Naphthalene	<0.500	50.0	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Styrene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Toluene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	02/23/16 2036	02/23/16 2036	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	02/23/16 2036	02/23/16 2036	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		02/23/16 2036	02/23/16 2036	SAY
Surrogate: 4-Bromofluorobenzene	85.6		Limit: 70-130	% Rec		02/23/16 2036	02/23/16 2036	SAY
Surrogate: 1,2-Dichlorobenzene-d4	93.8		Limit: 70-130	% Rec		02/23/16 2036	02/23/16 2036	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6B0477-02
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:27



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6B0477-02
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:27

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		02/23/16 2109	02/23/16 2109	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Styrene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6B0477-02
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:27

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	02/23/16 2109	02/23/16 2109	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	02/23/16 2109	02/23/16 2109	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		02/23/16 2109	02/23/16 2109	SAY
Surrogate: 4-Bromofluorobenzene	82.8		Limit: 70-130	% Rec		02/23/16 2109	02/23/16 2109	SAY
Surrogate: 1,2-Dichlorobenzene-d4	88.0		Limit: 70-130	% Rec		02/23/16 2109	02/23/16 2109	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6B0477-03
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:30



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6B0477-03
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:30

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		02/23/16 2141	02/23/16 2141	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Styrene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6B0477-03
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:30

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	02/23/16 2141	02/23/16 2141	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	02/23/16 2141	02/23/16 2141	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		02/23/16 2141	02/23/16 2141	SAY
Surrogate: 4-Bromofluorobenzene	78.8		Limit: 70-130	% Rec		02/23/16 2141	02/23/16 2141	SAY
Surrogate: 1,2-Dichlorobenzene-d4	85.6		Limit: 70-130	% Rec		02/23/16 2141	02/23/16 2141	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6B0477-04
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:35



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6B0477-04
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:35

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		02/23/16 2214	02/23/16 2214	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Styrene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY

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CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6B0477-04
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:35

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	02/23/16 2214	02/23/16 2214	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	02/23/16 2214	02/23/16 2214	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		02/23/16 2214	02/23/16 2214	SAY
Surrogate: 4-Bromofluorobenzene	81.6		Limit: 70-130	% Rec		02/23/16 2214	02/23/16 2214	SAY
Surrogate: 1,2-Dichlorobenzene-d4	88.8		Limit: 70-130	% Rec		02/23/16 2214	02/23/16 2214	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6B0477-05
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:50



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CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6B0477-05
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:50

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		02/23/16 2246	02/23/16 2246	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Styrene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY

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CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6B0477-05
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:50

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,1,1-Trichloroethane	0.610	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Trichloroethene	1.06	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	02/23/16 2246	02/23/16 2246	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	02/23/16 2246	02/23/16 2246	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		02/23/16 2246	02/23/16 2246	SAY
Surrogate: 4-Bromofluorobenzene	80.6		Limit: 70-130	% Rec		02/23/16 2246	02/23/16 2246	SAY
Surrogate: 1,2-Dichlorobenzene-d4	88.4		Limit: 70-130	% Rec		02/23/16 2246	02/23/16 2246	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6B0477-06
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:55



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6B0477-06
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:55

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		02/23/16 2319	02/23/16 2319	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Styrene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY

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CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6B0477-06
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 02/16/16
Collection Time: 09:55

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	02/23/16 2319	02/23/16 2319	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	02/23/16 2319	02/23/16 2319	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		02/23/16 2319	02/23/16 2319	SAY
Surrogate: 4-Bromofluorobenzene	86.6		Limit: 70-130	% Rec		02/23/16 2319	02/23/16 2319	SAY
Surrogate: 1,2-Dichlorobenzene-d4	93.6		Limit: 70-130	% Rec		02/23/16 2319	02/23/16 2319	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6B0477-07
Sample Type: Trip Blank

Collected By: BNR-Lab
Collection Date: 02/15/16
Collection Time: 15:48



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6B0477-07
Sample Type: Trip Blank

Collected By: BNR-Lab
Collection Date: 02/15/16
Collection Time: 15:48

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		02/23/16 2352	02/23/16 2352	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Styrene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY

Microbac Laboratories, Inc.

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6B0477

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6B0477-07
Sample Type: Trip Blank

Collected By: BNR-Lab
Collection Date: 02/15/16
Collection Time: 15:48

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	02/23/16 2352	02/23/16 2352	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	02/23/16 2352	02/23/16 2352	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		02/23/16 2352	02/23/16 2352	SAY
Surrogate: 4-Bromofluorobenzene	75.6		Limit: 70-130	% Rec		02/23/16 2352	02/23/16 2352	SAY
Surrogate: 1,2-Dichlorobenzene-d4	82.0		Limit: 70-130	% Rec		02/23/16 2352	02/23/16 2352	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: 4.3°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

J6B0477

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
02/25/2016 14:53

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

J6B0477Client: **TOWN OF VESTAL**Project: **Monthly**Project Number: **Town of Vestal Monthly/Quarterly**Field Route ID: **NY-Route 1 Bing**Tentatively Scheduled: **2/9/2016****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: **J6B0477-01**
Matrix: **Drinking Water**
Type: **Grab**Sampled Date & Time: 02/16/2016 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
Total Containers:			2

Sample ID: 1-2A FinishedLab Sample ID: **J6B0477-02**
Matrix: **Drinking Water**
Type: **Grab**Sampled Date & Time: 02/16/2016 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
Total Containers:			2

Sample ID: 1-3 RawLab Sample ID: **J6B0477-03**
Matrix: **Drinking Water**
Type: **Grab**Sampled Date & Time: 02/16/2016 0930

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
Total Containers:			2



Microbac Laboratories, Inc., New York Division

J6B0477Client: **TOWN OF VESTAL**Project: **Monthly**Project Number: **Town of Vestal Monthly/Quarterly**Field Route ID: **NY-Route 1 Bing**Tenatively Scheduled: **2/9/2016****Sample ID: 1-3 Finished**Lab Sample ID: **J6B0477-04**
Matrix: **Drinking Water**
Type: **Grab**Sampled Date & Time: 02/16/2016 0935

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
Total Containers:			2

Sample ID: 4-2 RawLab Sample ID: **J6B0477-05**
Matrix: **Drinking Water**
Type: **Grab**Sampled Date & Time: 02/16/2016 0950

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
Total Containers:			2

Sample ID: 4-2 FinishedLab Sample ID: **J6B0477-06**
Matrix: **Drinking Water**
Type: **Grab**Sampled Date & Time: 02/16/2016 0955

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
Total Containers:			2

Sample ID: Trip BlankLab Sample ID: **J6B0477-07**
Matrix: **Drinking Water**
Type: **Trip Blank**Sampled Date & Time: 02/15/2016 1540



Microbac Laboratories, Inc., New York Division

J6B0477Client: **TOWN OF VESTAL**Project: **Monthly**Project Number: **Town of Vestal Monthly/Quarterly**Field Route ID: **NY-Route 1 Bing**Tenatively Scheduled: **2/9/2016**

PWSID:	Point Type:	Compliance Start:
Sampling Point:	Frequency	Compliance End:
Point No:	Num/Frequency	Sample Location:
Analysis	Method	Container
524.2 VOC NY	EPA 524.2, Rv 4.1	V-40ml Clear Vial, Ascorbic Acid, HCL
		Hold
		14
		Total Containers: 1
Sampled by:	Date/Time:	Received by:
Bethany Robinson	02/16/2016 1000	
Printed Name: Bethany Robinson		Printed Name:
Relinquished by:	Date/Time:	Received by:
Printed Name:		Printed Name:
Relinquished by:	Date/Time:	Received by:
	2/16/16 1615	Catherine P. Hurt
Printed Name:		Printed Name: Catherine P. Hurt
As Recieved at Laboratory:	On Ice: ☒ Yes / No	Cooler Temp 43.2
		Total Bottles 13

Notes:

Added via by BNR 02/10/2016 14:25



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6C0335

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: 03/22/2016 13:51
Reported: 03/29/2016 12:03

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J6C0335-01
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 10:48

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		03/25/16 1912	03/25/16 1912	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		03/25/16 1912	03/28/16 1937	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY

Microbac Laboratories, Inc.

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 1-2A Raw
Lab Sample ID: J6C0335-01
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 10:48

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Naphthalene	<0.500	50.0	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Styrene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Toluene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	03/25/16 1912	03/25/16 1912	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	03/25/16 1912	03/25/16 1912	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		03/25/16 1912	03/25/16 1912	SAY
Surrogate: 4-Bromofluorobenzene	86.6		Limit: 70-130	% Rec		03/25/16 1912	03/25/16 1912	SAY
Surrogate: 1,2-Dichlorobenzene-d4	88.0		Limit: 70-130	% Rec		03/25/16 1912	03/25/16 1912	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6C0335-02
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 10:50



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6C0335-02
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 10:50

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		03/25/16 1945	03/25/16 1945	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		03/25/16 1945	03/28/16 2009	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Styrene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 1-2A Finished
Lab Sample ID: J6C0335-02
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 10:50

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	03/25/16 1945	03/25/16 1945	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	03/25/16 1945	03/25/16 1945	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		03/25/16 1945	03/25/16 1945	SAY
Surrogate: 4-Bromofluorobenzene	89.6		Limit: 70-130	% Rec		03/25/16 1945	03/25/16 1945	SAY
Surrogate: 1,2-Dichlorobenzene-d4	87.2		Limit: 70-130	% Rec		03/25/16 1945	03/25/16 1945	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6C0335-03
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 10:52



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6C0335-03
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 10:52

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		03/25/16 2017	03/25/16 2017	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		03/25/16 2017	03/28/16 2042	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Styrene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY

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CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 1-3 Raw
Lab Sample ID: J6C0335-03
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 10:52

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	03/25/16 2017	03/25/16 2017	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	03/25/16 2017	03/25/16 2017	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		03/25/16 2017	03/25/16 2017	SAY
Surrogate: 4-Bromofluorobenzene	88.6		Limit: 70-130	% Rec		03/25/16 2017	03/25/16 2017	SAY
Surrogate: 1,2-Dichlorobenzene-d4	90.2		Limit: 70-130	% Rec		03/25/16 2017	03/25/16 2017	SAY



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CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6C0335-04
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 10:54



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6C0335-04
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 10:54

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		03/25/16 2050	03/25/16 2050	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		03/25/16 2050	03/28/16 2114	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Styrene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY

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CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 1-3 Finished
Lab Sample ID: J6C0335-04
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 10:54

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	03/25/16 2050	03/25/16 2050	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	03/25/16 2050	03/25/16 2050	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		03/25/16 2050	03/25/16 2050	SAY
Surrogate: 4-Bromofluorobenzene	86.0		Limit: 70-130	% Rec		03/25/16 2050	03/25/16 2050	SAY
Surrogate: 1,2-Dichlorobenzene-d4	87.0		Limit: 70-130	% Rec		03/25/16 2050	03/25/16 2050	SAY



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CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6C0335-05
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 11:05



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6C0335-05
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 11:05

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		03/25/16 2122	03/25/16 2122	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		03/25/16 2122	03/28/16 2147	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Styrene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY

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Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 4-2 Raw
Lab Sample ID: J6C0335-05
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 11:05

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,1,1-Trichloroethane	0.640	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Trichloroethene	0.860	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	03/25/16 2122	03/25/16 2122	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	03/25/16 2122	03/25/16 2122	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		03/25/16 2122	03/25/16 2122	SAY
Surrogate: 4-Bromofluorobenzene	85.4		Limit: 70-130	% Rec		03/25/16 2122	03/25/16 2122	SAY
Surrogate: 1,2-Dichlorobenzene-d4	86.6		Limit: 70-130	% Rec		03/25/16 2122	03/25/16 2122	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6C0335-06
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 11:10



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6C0335-06
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 11:10

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		03/25/16 2155	03/25/16 2155	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		03/25/16 2155	03/28/16 2219	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Styrene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY

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CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: 4-2 Finished
Lab Sample ID: J6C0335-06
Sample Type: Grab

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 11:10

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	03/25/16 2155	03/25/16 2155	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	03/25/16 2155	03/25/16 2155	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		03/25/16 2155	03/25/16 2155	SAY
Surrogate: 4-Bromofluorobenzene	82.6		Limit: 70-130	% Rec		03/25/16 2155	03/25/16 2155	SAY
Surrogate: 1,2-Dichlorobenzene-d4	85.4		Limit: 70-130	% Rec		03/25/16 2155	03/25/16 2155	SAY



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6C0335-07
Sample Type: Trip Blank

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 13:15



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J6C0335

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6C0335-07
Sample Type: Trip Blank

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 13:15

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		03/25/16 2227	03/25/16 2227	SAY
Bromobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Bromochloromethane	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
n-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
tert-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
sec-Butylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Carbon tetrachloride	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Chlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Chloroethane (Ethyl chloride)	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
2-Chlorotoluene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
4-Chlorotoluene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Dibromomethane (Methylene bromide)	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,2-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,4-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,3-Dichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Dichlorodifluoromethane (Freon-12)	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,1-Dichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,2-Dichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,1-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
cis-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
trans-1,2-Dichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
2,2-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,2-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,3-Dichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
cis-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
trans-1,3-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,1-Dichloropropene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Ethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Hexachlorobutadiene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Isopropylbenzene (Cumene)	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
4-Isopropyltoluene (p-Isopropyltoluene)	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Methyl bromide (Bromomethane)	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Methyl tert-butyl ether (MTBE)	<0.500	50.0	0.500	ug/L		03/25/16 2227	03/28/16 2252	SAY
Methyl chloride (Chloromethane)	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Methylene chloride (Dichloromethane)	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Naphthalene	<0.500	50.0	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
n-Propylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Styrene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,1,2,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,1,1,2-Tetrachloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Tetrachloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY

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

J6C0335

Analytical Testing Parameters

Client Sample ID: Trip Blank
Lab Sample ID: J6C0335-07
Sample Type: Trip Blank

Collected By: BNR-Lab
Collection Date: 03/22/16
Collection Time: 13:15

Volatile Organic Compounds - GC/MS	Result	MCL	PQL	Units	Note	Prepared	Analyzed	Lab
Toluene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,2,4-Trichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,2,3-Trichlorobenzene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,1,2-Trichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,1,1-Trichloroethane	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Trichloroethene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Trichlorofluoromethane (Freon 11)	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,2,3-Trichloropropane	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,3,5-Trimethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
1,2,4-Trimethylbenzene	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Vinyl chloride	<0.500	2.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
m,p-Xylene	<0.500	5.00	0.500	ug/L	Y	03/25/16 2227	03/25/16 2227	SAY
o-Xylene	<0.500	5.00	0.500	ug/L	Y	03/25/16 2227	03/25/16 2227	SAY
Xylenes (total)	<0.500	5.00	0.500	ug/L		03/25/16 2227	03/25/16 2227	SAY
Surrogate: 4-Bromofluorobenzene	86.4		Limit: 70-130	% Rec		03/25/16 2227	03/25/16 2227	SAY
Surrogate: 1,2-Dichlorobenzene-d4	89.4		Limit: 70-130	% Rec		03/25/16 2227	03/25/16 2227	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: 6.7°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

J6C0335

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

Reviewed and Approved By:

Charlene McSparron For Michael Fifield
Division Manager
03/29/2016 12:03

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

J6C0335Client: **Town of Vestal**Project: **Monthly**Project Number: **Town of Vestal Monthly/Quarterly**Field Route ID: **NY-Route 1 Bing**Tentatively Scheduled: **3/8/2016****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: **J6C0335-01**
Matrix: **Drinking Water**
Type: **Grab**Sampled Date & Time: 03-22-2016 1048

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 FinishedLab Sample ID: **J6C0335-02**
Matrix: **Drinking Water**
Type: **Grab**Sampled Date & Time: 03-22-2016 1050

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 RawLab Sample ID: **J6C0335-03**
Matrix: **Drinking Water**
Type: **Grab**Sampled Date & Time: 03-22-2016 1052

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

J6C0335Client: **Town of Vestal**Project: **Monthly**Project Number: **Town of Vestal Monthly/Quarterly**Field Route ID: **NY-Route 1 Bing**Tenatively Scheduled: **3/8/2016**

524.2 VOC NY		EPA 524.2, Rv 4.1	V-40ml Clear vial, HCL	14
Total Containers: 2				
Sample ID: 1-3 Finished				
Lab Sample ID:	J6C0335-04			
Matrix:	Drinking Water		Sampled Date & Time: <u>03-22-2016 16:54</u>	
Type:	Grab			
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:	J6C0335-05			
Matrix:	Drinking Water		Sampled Date & Time: <u>03-22-2016 11:05</u>	
Type:	Grab			
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:	J6C0335-06			
Matrix:	Drinking Water		Sampled Date & Time: <u>03-22-2016 11:10</u>	
Type:	Grab			
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



Microbac Laboratories, Inc., New York Division

J6C0335Client: **Town of Vestal**Project: **Monthly**Project Number: **Town of Vestal Monthly/Quarterly**Field Route ID: **NY-Route 1 Bing**Tenatively Scheduled: **3/8/2016**Total Containers: **2****Sample ID: Trip Blank**Lab Sample ID: **J6C0335-07**Matrix: **Drinking Water**Type: **Trip Blank**Sampled Date & Time: 03-18-2016 1315

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: <u>Bethany Robinson</u>	Date/Time: <u>03-22-2016 1115</u>	Received by: _____
Printed Name: Bethany Robinson		Printed Name: _____
Relinquished by: <u>Bethany Robinson</u>	Date/Time: <u>03-22-2016 1351</u>	Received by: <u>Catherine P. Hurst</u>
Printed Name: Bethany Robinson		Printed Name: Catherine P. Hurst
Relinquished by: _____	Date/Time: _____	Received by: _____
Printed Name: _____		Printed Name: _____

As Recieved at Laboratory: On Ice: ☒ Yes ☐ No Cooler Temp 6.7CTotal Bottles **13****Notes:**

Added via by BNR 03/04/2016 13:42

Arcadis CE, Inc.

855 Route 146

Suite 210

Clifton Park

New York 12065

Tel 518 205 7300

Fax 518 250 7301

www.arcadis.com