2018 PERIODIC REVIEW REPORT

DeLaval Property
202-204 Rinaldi Boulevard
Poughkeepsie, New York

New York State
Department of Environmental Conservation
Site Number: B00190

CHA Project Number: 30114

Prepared for:

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LIST OF ACRONYMS

ACM	Asbestos Containing Material
AOC	Area of Concern
CHA	CHA Consulting, Inc.
EPA	Environmental Protection Agency
ERP	Environmental Restoration Program
LNAPL	Light Non-Aqueous Phase Liquid
MOSF	Major Oil Storage Facility
NYSDEC	New York State Department of Environmental Conservation
OGS	Office of General Services
PCB	Polychlorinated Biphenyl
PID	Photoionization Detector
PRR	Periodic Review Report
RAO	Remedial Action Objectives
RCRA	Resource Conservation and Recovery Act
SAC	State Assistance Contract
SMP	Site Management Plant
STP	Sewage Treatment Plant
SVOC	Semi-volatile Organic Compound
TCL	Target Compound List
TMP	Tax Map Parcel
VOC	Volatile Organic Compound

EXECUTIVE SUMMARY

The DeLaval Property (Site) is located in Dutchess County, New York and is identified as Tax Map Parcel (TMP) No. 131300-6061-43-752749-0000 on the City of Poughkeepsie Tax Map. The address for the Site is 202-204 Rinaldi Boulevard, Poughkeepsie, New York. The Site has a long history of former industrial use based upon review of available Sanborn Mapping and other historical documents. The DeLaval Separator Company reportedly started operations on the Site in 1890 and a review of aerial photographs indicated that operations likely ceased in the early 1960s, followed by the razing of most of the Site structures sometime between 1962 and 1967.

The following types of contaminants were identified on the DeLaval Site during the Site investigations and during the remedial action: volatile organic compounds (VOCs); semivolatile organic compounds (SVOCs); polychlorinated biphenyls (PCBs); heavy metals; and asbestos-containing materials (ACMs) [discovered during remedial action phase only]. The remedial action for the Site was completed in 2008 through 2011. This Periodic Review Report (PRR) is required as an element of the NYSDEC-approved Site Management Plan (SMP) developed for the Site and documents the annual groundwater monitoring event and Site-wide inspection completed during the summer of 2018.

The Remedial Action Objectives established for the Site were achieved through implementation/completion of the following general remedial components: removal of grossly-contaminated soils and other contaminated media encountered during construction activities; construction of steel sheet pile bulkheads and riprap revetment along the western property boundary (Hudson River shoreline); placement of a soil cover system across the Site; and installation of a post-remediation groundwater monitoring well network to facilitate periodic groundwater sampling. In addition, the Site remedy required that an environmental easement be placed on the property to: implement, maintain and monitor the Engineering Controls (e.g. bulkheads, riprap revetment, soil cover system); prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and limit the use and development of the Site to commercial and passive recreational uses only.

The Site was observed to be in overall good condition at the time of the most recent site-wide inspection, conducted on June 21, 2018. Inspections were completed for the cover system, the bulkheads, the rip-rap revetment, the groundwater monitoring well network, and the site fencing.

No additional development of the Site has occurred since the last inspection in September 2017. It is

recommended that the current institutional and engineering controls in place at the Site remain in place, and the engineering controls continue to be inspected and monitored.

The groundwater analytical results from the June 2018 monitoring event indicate that concentrations of the contaminants of concern are below established New York State Groundwater Effluent Limitations and/or Guidance Values (Class GA) with the exception of the following six SVOCs: benzo(a)anthracene; benzo(b)fluoranthene; benzo(a)pyrene; benzo(k)fluoranthene; chrysene; and indeno(1,2,3-cd)pyrene; and the following two metals: arsenic and lead. It is recommended that the annual groundwater monitoring program be continued to evaluate groundwater quality on the Site and potential trends in residual contaminant concentrations.

No changes to the remedy, and/or monitoring or operation & maintenance plans are recommended at this time.

1.0 SITE OVERVIEW

The City of Poughkeepsie (City) entered into a State Assistance Contract (SAC) with the New York State Department of Environmental Conservation (NYSDEC) in November 2005 (SAC No. C302762) to allow the City to seek reimbursement for a portion of the costs required to perform an investigation and complete a Remedial Alternative Analysis through the NYSDEC's Environmental Restoration Program (ERP) for a 14.04-acre property located in the City of Poughkeepsie, New York. The SAC was later amended (Amendment No. 1) to include reimbursement of a portion of incurred costs for the remedial design and remedial action. The Hudson River Waterfront - DeLaval Property, hereinafter referred to as the "Site" (also referred to as NYSDEC Site No. B00190-3), was remediated to commercial-use levels only, which includes passive recreational uses. This Periodic Review Report (PRR) is required as an element of the NYSDEC-approved Site Management Plan (SMP) developed for the Site and documents the annual groundwater monitoring event and site-wide inspection completed at the Site during the summer of 2018.

The Site is located in Dutchess County, New York and is identified as Tax Map Parcel (TMP) No. 131300-6061-43-752749-0000 on the City of Poughkeepsie Tax Map. The address for the Site is 202-204 Rinaldi Boulevard, Poughkeepsie, New York, 12601 and is accessed at the intersection of Pine Street and Rinaldi Boulevard. The approximate centroid of the Site is located at 41º 41' 40" N and 73º 56' 20" W. A vicinity location map of the Site is included as Figure 1. Figures showing the boundaries of the Site, along with post-remediation soil cover system components and monitoring well locations, are provided as Figures 2A and 2B.

It should be noted that the Site identified for investigation and remediation was originally a 13.95-acre parcel; however, due to some design modifications during the course of construction that shifted the shoreline bulkheads further into the Hudson River, the City was required to obtain an additional approximately 0.09-acre strip of land from the State of New York Office of General Services (OGS) under a submerged land acquisition application process. Additionally, due to accessibility issues during construction (a steep slope on a rock outcrop near the northeast corner of the Site), the soil cover system could not be practically placed across the entire property, and thus, a portion of the property was left in its original state and is not included as part of the Site. Specifically, the "Site" includes the 14.04-acre parcel less 0.40-acre near the northeastern corner of the parcel, or a total of 13.64-acres. This exclusion area has been separated from the Site by a chain link fence to serve as a physical boundary.

The Site is bounded by the Shadows on the Hudson restaurant/catering facility and The Grandview banquet facility (formerly the City Sewage Treatment Plant (STP) site) to the north; Love/Effron, a major oil storage facility (MOSF) to the south; a concrete retaining wall associated with an elevated railroad corridor to the east; and the Hudson River to the west.

1.1 BRIEF SITE BACKGROUND

The Site has a long history of former industrial use based upon review of available Sanborn Mapping and other historical documents. Early Sanborn maps indicate that much of the DeLaval Site was under water and part of the Hudson River in the late 1800s, but also indicate the industrial development had begun on the Site by that time (at least as early as 1887). The DeLaval Separator Company reportedly started operations on the Site in 1890 and a review of aerial photographs indicated that operations likely ceased in the early 1960s, followed by the razing of many of the Site structures sometime between 1962 and 1967.

1.2 NATURE AND EXTENT OF CONTAMINATION

The following types of contaminants were identified on the DeLaval Site during the Site investigations and during the remedial action:

- Volatile organic compounds (VOCs)
- Semivolatile organic compounds (SVOCs)
- Polychlorinated biphenyls (PCBs)
- Heavy metals
- Asbestos-containing materials (ACMs) [discovered during remedial action phase only]

The following areas of concern (AOCs) were identified at the Site:

- **AOC-1:** An area of petroleum-impacted soil and groundwater near the southern end of the Site that paralleled the Hudson River, approximately 0.8-acre in size. An industrial landfill/construction & demolition debris disposal area that extended eastward of the petroleum-impacted soils to a bedrock outcrop along the east side of the Site was located above the petroleum-impacted area.

- **AOC-2/3:** An area of petroleum-impacted soil and groundwater in the central portion of the Site that paralleled the Hudson River, approximately 2.4-acres in size. An abandoned 14-inch oil pipeline and an approximately 400-gallon underground

storage tank (UST) were also present in this AOC and likely contributed to the contamination in this area.

- **AOC-4:** An area adjacent to a former Paint Shop along the eastern border of the Site where solvent-like odors were observed during one of the investigations and several semivolatile organic compounds (SVOCs) were detected in the soil samples. Additional investigation in this area was unable to replicate these observations, so no remediation was completed in this area.

- **AOC-4A:** An area measuring approximately 32-feet wide by 50-feet long of petroleum contamination that was encountered adjacent to the western side of AOC-4 while investigating for the potential presence of additional oil pipelines extending southward on the Site from AOC-2/3 during the construction activities at the Site. Migration of the contamination in this area appeared to have been hindered by the presence of several subsurface concrete foundation walls.

- **AOC-5:** A small area of petroleum contamination encountered near the south end of the Site immediately adjacent to the eastern concrete retaining wall that runs parallel to the Site during the installation of Storm Manhole No. STMH-1. Sanborn mapping indicated the presence of a former "oil house" in this location which likely contributed to the contamination encountered in this area.

- **Shoreline:** Two small areas of petroleum contamination were encountered during the subgrade excavation for the revetment in Zone 2. Similarly, two small areas of petroleum contamination were also encountered in Zone 4 during the revetment subgrade excavation. The limits of the petroleum contamination were reached and removed as the excavations were advanced inland.

1.3 SUMMARY OF SITE REMEDY

The selected remedy for the Site included the following major components:

- Removal of grossly-contaminated soils and other contaminated media;

- Construction of steel sheet pile bulkheads and riprap revetment along the western property boundary (Hudson River shoreline);

- Placement of a soil cover system across the Site; and

- Installation of a post-remediation groundwater monitoring well network to facilitate periodic groundwater sampling;

In addition, the Site remedy required that an environmental easement be placed on the property to (1)

implement, maintain and monitor the Engineering Controls (e.g. bulkheads, riprap revetment, soil cover system); (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to commercial and passive recreational uses only. The environmental easement for the Site was executed by the Department on November 4, 2013 and recorded with the Dutchess County Clerk on November 27, 2013.

The remedial activities completed at the Site were described in detail in CHA's Final Engineering Report, dated December 18, 2013.

2.0 INSTITUTIONAL / ENGINEERING CONTROLS (IC/EC) PLAN COMPLIANCE REPORT

2.1 IC/EC PLAN REQUIREMENTS AND COMPLIANCE STATUS

Institutional controls implemented at the Site in the form of an environmental easement, and more specifically the Site Management Plan, require periodic inspection of the above-referenced engineering controls and an evaluation of Site use to ensure that exposure to remaining contamination is prevented and the use and development of the Site is limited to commercial and passive recreational uses only.

Engineering controls at the Site that are subject to periodic inspection consist of the sheet pile bulkheads in Zones 1 and 3, riprap revetment along the western property boundary (the Hudson River shoreline) in Zones 2 and 4, and the soil cover system across the Site. In addition, nine groundwater monitoring wells are evaluated (7 sampled and 2 gauged), during scheduled annual sampling events to verify they are in good condition and are being properly maintained to allow for periodic groundwater quality monitoring. The Institutional and Engineering Controls Certification Forms are included in Appendix A.

In the following subsections, CHA summarizes the major observations made during the June 21, 2018 Site inspection. The Sitewide Inspection Checklist is included in Appendix B. The next inspection of these controls is scheduled to occur during the summer of 2019.

2.1.1 Inspection of Cover System

Overall, the soil cover system appeared to be in good condition. Vegetation has grown to considerable height and should be monitored for damage to the cover system. At this time, no significant damage from vegetation was noted. Evidence of vectors, including burrowing vectors, were not present during the inspection. The portions of the Site covered with Item No. 4 run-of-crush material and other stone products had no evidence of disturbance or scour. Photographs documenting the site cover are included in Appendix C.

2.1.2 Inspection of Bulkheads

CHA observed the current condition of the bulkheads just after low tide conditions from a boat provided by the City of Poughkeepsie. The above-water portions of the Zone 1 and Zone 3

bulkheads were observed to be in good condition. The concrete collars around the outfalls were observed to be in good condition.

On the landward side of the bulkheads, CHA observed an approximately 4-inch gap between the soil cover system and the concrete caps behind the northern 2/3 of the Zone 3 bulkhead. This gap along with cracks in the precast concrete cap was previously noted during a site inspection conducted in November 2013. It was determined at that time, through survey data and photographs, that no evidence of significant or progressive movement of the bulkhead was observed. The survey data indicated that the bulkhead movement was alternating between landward and waterward deflections, and that the limited movement/deflection was anticipated given that the structure is a cantilevered bulkhead system. The gap observed behind the bulkhead is associated with the settlement/consolidation of material behind the bulkhead that is exaggerated by the difficulty in achieving appropriate compaction between the "bellies" of the sheet piles. While this movement needs to be considered in the future development of the Site (including a proposed sidewalk along the waterfront), the bulkhead's ability to provide containment for residual contamination in Zone 3 has not been compromised.

Ultrasonic testing of the thickness of the steel sheet piles and underwater inspections of the bulkheads was not performed during this monitoring period but will be completed during subsequent monitoring events in accordance with the schedule provided in the SMP.

2.1.3 Inspection of Riprap Revetment

All sections of riprap revetment stone appeared in good condition at the time of the sitewide inspection and there was no evidence of significant loss of material or scour.

2.1.4 Inspection of Monitoring Well Network

All monitoring wells were observed to be in generally good condition.

The permanent protective well casings have not yet been installed. The City is in possession of the permanent casings and will install them following the completion of final grading of the Site during redevelopment. However, as indicated previously, the interim elevation of the well risers was not surveyed, and therefore, it is not possible to accurately compute groundwater elevations at each monitoring well.

2.1.5 Sub-Slab Depressurization Systems

Currently, there are no structures on the property, and therefore, a review of the operation of sub-slab depressurization systems is not required at this time.

2.1.6 Other Observations during Site-wide Inspection

1. **Weep Hole Drainage System:** The weep hole drainage system appeared operational and in good condition at the time of the Site inspection.

2. **Fencing:** The fencing system installed near the Site entrance and around the northeast bedrock outcropping utilized for delineating the limits of the environmental easement was observed to be in good condition. No repairs or modifications were recommended to the City.

3. **Other:** Other observations made during the Site visit included:

    a. No new development has occurred at the Site since the previous inspection was conducted in September 2017.

    b. There were no covers on the electrical vaults installed by the Developer and the annular spaces around the conduits installed in 2011 were not sealed. Therefore, some material around the vaults had sloughed into the structures and in one instance vegetation was growing inside the vault. While this will make future installation of electrical services difficult, it does not appear to have impacted the Site remedy.

    c. A pile of concrete rubble and a storage container were observed near the wall on the east side of the Site.

2.2 IC/EC CERTIFICATION

The Institutional and Engineering Controls Certification Forms are included in Appendix A, as previously indicated. Engineering controls, consisting of the sheet pile bulkheads, riprap revetment and soil cover system, were in place and functioning properly during the reporting period. These controls have been and continue to be effective in preventing exposure of the public to remaining contaminants in soil and groundwater at the Site. The SMP is being implemented and based on this review, the remedy continues to be protective of public health and/or the environment and compliant with the decision document. At this time, it is recommended that all controls for the Site remain in place.

3.0 MONITORING PLAN COMPLIANCE REPORT

3.1 COMPONENTS OF THE MONITORING PLAN

Components of the Monitoring Plan include:

- Site-Wide Inspection (detailed above)
- Inspection of the Bulkheads (detailed above)
- Groundwater Quality (detailed below)
- Sub-Slab Soil Vapor (not applicable, as the site is not developed)

3.2 MONITORING COMPLETED DURING REPORTING PERIOD

3.2.1 Groundwater Monitoring Activities

On June 21 and 22, 2018, CHA personnel visited the Site to conduct groundwater monitoring activities in accordance with the requirements of the SMP, including gauging, monitoring for the presence of light non-aqueous phase liquid (LNAPL), and groundwater sampling of the following monitoring wells: MW-1, MW-2, MW-4R, MW-5, MW-6, MW-8 and MW-9. In addition, wells MW-3 and MW-7R were gauged and monitored for the presence of LNAPL, but were not sampled. Groundwater monitoring wells are purged to reach stable groundwater conditions, and samples are collected once chemical parameters indicate that the groundwater being purged has reached equilibrium.

Prior to conducting groundwater level measurements on June 21, 2018, a photoionization detector (PID) was used to measure the concentration, if any, of organic vapors in the headspace of each well (immediately after removing the well gripper plug). An electronic oil/water interface probe was then used to monitor for the presence of LNAPL and measure water levels at each of the above-referenced well locations. On the day of the well gauging activities, the time of high tide for the Hudson River at Poughkeepsie was reported as 7:55 a.m. Water level data were collected between 10:50 a.m. and 11:50 a.m. At each location, the water level was measured from the top of the well casing.

Since top of well casing elevations have not been surveyed, water level measurements were not converted to groundwater elevations. Once the permanent protective well casings are installed, the top of well casing elevations will be surveyed and water level data collected during future groundwater monitoring events will be used to determine groundwater elevations. Based on the

local topography and the Site's proximity to the Hudson River, groundwater flow direction across the Site is expected to be generally to the west, toward the river, although there is a localized increase in water elevation along the western portion of the Site when the tide is coming in.

Monitoring wells MW-1, MW-2, MW-4R, MW-5, MW-6, MW-8 and MW-9 were purged and sampled via low-flow/minimal drawdown methods, utilizing a submersible pump and polyethylene tubing. During well purging, at 3 to 5-minute intervals, CHA personnel monitored and recorded field parameters including temperature, pH, specific conductance, dissolved oxygen, and turbidity. Wells were purged until stabilization of parameters was observed (three consecutive readings within 10 percent) and turbidity levels were below 50 Nephelometric turbidity units (NTUs), to the extent practical. Upon stabilization, groundwater samples were collected in laboratory-provided, pre-preserved containers. Between each well, the submersible pump was decontaminated using a solution of potable water and Alconox® detergent followed by a potable water rinse.

For all wells, upon completion of sample collection, sample containers were labeled and stored in a rigid cooler with ice, pending delivery to the laboratory. Groundwater sampling logs are included in Appendix E. Purge water was containerized in a 55-gallon drum which was labeled and stored on site, pending waste characterization, profiling and off-site disposal arrangements.

For Quality Assurance/Quality Control purposes, one blind duplicate sample, identified as "CHA-1" was collected at well MW-9. A trip blank prepared by the laboratory accompanied the sample containers from the time of their preparation at the laboratory until the samples were delivered to the laboratory.

Upon completion of field activities, CHA transported the samples under chain-of-custody protocol to Alpha Analytical Inc.'s (Alpha) service center in Syracuse, New York. The samples were then transported by Alpha to their laboratory in Westborough, Massachusetts for analysis. All groundwater samples and the field blank sample were analyzed for TCL VOCs by EPA Method 8260, TCL SVOCs by EPA Method 8270, PCBs by EPA Method 8082 and RCRA 8 metals. The trip blank was analyzed for TCL VOCs only.

Corbett Industrial Cleaning Services, Inc. (Corbett) collected one (1) drum of containerized purge water from the Site on October 2, 2018 for off-site disposal. A copy of the waste disposal documentation (Bill of Lading) is included in Appendix E.

3.2.2 Groundwater Monitoring Results

No evidence of organic vapors, LNAPL, or petroleum sheen was observed at any of the monitoring well locations during the June 2018 monitoring event. This is consistent with results from the September 2017 monitoring event.

Groundwater analytical results (detected compounds only) are summarized in Table 3-1 on the following page while the complete original laboratory data packages are included in Appendix G.

As shown in Table 3-1 on the following page, multiple SVOCs and metals were detected during this sampling event. Concentrations of the following six SVOCs were detected above their respective NYSDEC Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1) Ambient Water Quality Standards and Guidance Values (Class GA): benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene. Metals detections above standards included arsenic and lead. VOCs and PCBs were not detected in the samples collected during this sampling event.

3.2.3 Groundwater Monitoring Trends

Groundwater analytical trends (detected compounds only) are summarized in Table 3-2 (following Table 3-1) and the complete laboratory data package is included in Appendix G. Up-gradient wells, MW-4R, MW-8 and MW-9 indicate stable or decreasing trends. Metals concentrations in these up-gradient wells were found to be below the standard during the June 2018 monitoring event.
The contaminant concentrations in monitoring wells MW-1, MW-2, MW-4R, MW-5, and MW-6 generally indicate a decreasing trend in metals concentration and stable concentrations for SVOCs over the annual groundwater monitoring events from 2015 to 2018.

3.3 COMPLIANCE WITH PERFORMANCE STANDARDS

The groundwater analytical results from the June 2018 monitoring event indicate that there are several contaminants of concern detected at concentrations that exceed the established New York State Groundwater Effluent Limitations and/or Guidance Values (Class GA). It is recommended that the annual groundwater monitoring program be continued to evaluate groundwater quality on the Site and potential trends in residual contaminant concentrations.

Table 3-1 Analytical Summary Table

LOCATION			MW-1	MW-2	MW-4R	MW-5	MW-6	MW-8	MW-9
SAMPLING DATE	NY-TOGS-GA	Units	6/22/2018	6/22/2018	6/22/2018	6/21/2018	6/21/2018	6/21/2018	6/21/2018
Semivolatile Organics									
Acenaphthene	20	µg/l	0.15				0.14		
Anthracene	50	µg/l	0.04 J		0.06 J				
Benzo(a)anthracene	0.002	µg/l			0.11	0.12			
Benzo(a)pyrene	0	µg/l				0.13			
Benzo(b)fluoranthene	0.002	µg/l			0.11	0.18	0.07 J		
Benzo(ghi)perylene		µg/l				0.12			
Benzo(k)fluoranthene	0.002	µg/l			0.05 J	0.07			
Bis(2-ethylhexyl)phthalate	5	µg/l					4.5		
Caprolactam		µg/l		45					
Chrysene	0.002	µg/l			0.11	0.13 J			
Fluoranthene	50	µg/l	0.07 J		0.25	0.25	0.1 J		
Indeno(1,2,3-cd)pyrene	0.002	µg/l				0.11			
Phenanthrene	50	µg/l	0.12		0.26	0.15			
Pyrene	50	µg/l	0.07 J		0.21	0.22	0.13		
Total Metals									
Arsenic, Total	25	µg/l	30.4	4.87	0.85	1.35	3.46	1.81	0.61
Barium, Total	1000	µg/l	677	151.9	79.21	70.5	70.3	54.3	22.9
Cadmium, Total	5	µg/l	1.02	0.85	0.11 J	0.1 J	0.86		0.13 J
Chromium, Total	50	µg/l	16.1	7.33	14.42	2.05	4.47	2.21	1.25
Lead, Total	25	µg/l	564	116.9	54.97	18.6	63.5	3.25	
Mercury, Total	0.7	µg/l	0.13 J	0.13 J					
Selenium, Total	10	µg/l		1.83 J	3.96 J				3.62 J
Silver, Total	50	µg/l	1.68						

NOTES:

Samples were collected by CHA Consulting, Inc. on June 21-22, 2018 and analyzed by Alpha Analytical

New York TOGS 1.1.1. Groundwater Effluent Limitations criteria reflects all addendum to criteria through June 2004.

Values highlighted in blue indicate exceedance of TOGS 1.1.1 Ambient Water Quality Standards (Class GA)

J – Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

Table 3-2 Analytical Comparison Table

			MW-1				MW-2				MW-4R			MW-5				MW-6				MW-8				MW-9			
SAMPLING DATE	NY-TOGS-GA	Units	2015	2016	2017	2018	2015	2016	2017	2018	2015	2017	2018	2015	2016	2017	2018	2015	2016	2017	2018	2015	2016	2017	2018	2015	2016	2017	2018
Volatile Organics																													
Acetone	50	ug/l		2.5 J				2.6 J							15				2.3 J								2.8 J		
Benzene	1	ug/l													0.16 J														
Ethyl Ether		ug/l	1.4 J																										
o-Xylene	5	ug/l													0.91 J				0.85 J										
p/m-Xylene	5	ug/l		1.1 J				0.83 J							1.3 J				1.5 J										
Tetrachloroethene	5	ug/l									0.7																		
Trichloroethene	5	ug/l											0.75																
Toluene	5	ug/l		1.2 J				0.86 J							1.4 J				1.4 J										
Semivolatile Organics																													
2-Methylnaphthalene		ug/l													0.21 J				0.11 J				0.09 J						
Acenaphthene	20	ug/l		0.39 J		0.15									0.19 J				0.1		0.14								
Acenaphthylene		ug/l		0.38 J											0.49														
Anthracene	50	ug/l		0.76 J		0.04 J		0.04 J					0.06 J		0.68														
Benzo(a)anthracene	0.002	ug/l		1.6	0.02 J			0.16 J	0.19		0.11 J	0.11	0.11	0.12 J	1.8	1.7	0.12		0.06 J	0.05 J									
Benzo(a)pyrene	0	ug/l		1.5				0.14 J	0.17		0.1 J	0.09 J		0.12 J	1.7	1.9	0.13		0.05 J	0.05 J									
Benzo(b)fluoranthene	0.002	ug/l		2				0.19 J	0.23		0.19 J	0.11	0.11	0.02	2.6	2.6	0.18		0.06 J	0.06 J	0.07 J								
Benzo(ghi)perylene		ug/l		0.83 J				0.1 J			0.12 J			0.08 J	1.2		0.12												
Benzo(k)fluoranthene	0.002	ug/l		0.72 J				0.06 J	0.1 J		0.08 J		0.05 J	0.08 J	0.86	0.93	0.07												
Bis(2-ethylhexyl)phthalate	5	ug/l	3.1 B								1.3 J							4.9			4.5	1.8 JB				0.96 JB	1.2 J		
Butyl benzyl phthalate	50	ug/l																				1.8 JB							
Caprolactam		ug/l								45																			
Chrysene	0.002	ug/l		1.6				0.14 J	0.17		0.12 J	0.1	0.11	0.12 J	1.9	2	0.13 J		0.05 J	0.05 J									
Dibenzo(a,h)anthracene		ug/l		0.24 J								0.05 J			0.34 J														
Fluoranthene	50	ug/l		4.2		0.07 J		0.28			0.18 J		0.25	0.26	4.4		0.25		0.14 J		0.1 J								
Fluorene	50	ug/l		0.36 J											0.35 J				0.04 J										
Indeno(1,2,3-cd)pyrene	0.002	ug/l		0.97 J				0.11 J	0.1		0.1 J			0.1	1.4	1.6	0.11												
Naphthalene	10	ug/l		0.28 J				0.07 J							1.2				0.19 J				0.08 J				0.1 J		
Phenanthrene	50	ug/l		2.9		0.12		0.09 J			0.1		0.26	0.17 J	2.5		0.15		0.07 J										
Pyrene	50	ug/l		3.4		0.07 J		0.24			0.17 J		0.21	0.23	3.6		0.22		0.14 J		0.13								
Total Metals																													
Arsenic, Total	25	ug/l	8	28.8	57	30.4		9.7	3 J	4.87		25	0.85		43.2	13	1.35		9.4	7	3.46		7.4	3 J	1.81		10	7	0.61
Barium, Total	1000	ug/l	342	529		677	77	88.5		151.9	107		79.21	46	726		70.5	43	69.9		70.3	58	68.7		54.3	28	58		22.9
Cadmium, Total	5	ug/l		0.7 J	11	1.02				0.85		3 J	0.11 J		5.5	2 J	0.1 J		0.7 J	1 J	0.86		3.8 J				3.1 J	2 J	0.13 J
Chromium, Total	50	ug/l	4.5 J	16	146	16.1	3.3 J	6 J	11	7.33	4.9 J	49	14.42	4.9 J	91	102	2.05	4 J	6.3 J	5 J	4.47	7 J	7.4 J		2.21	5.3 J	19	3 J	1.25
Lead, Total	25	ug/l		55	1510	564	10.9	61.7	34	116.9	16.4	4620	54.97	15.7	1180	390	18.6	4.3 J	57	74	63.5	3.4 J	3.4 J	5 J	3.25	2.3 J	5.5 J	7 J	
Mercury, Total	0.7	ug/l	0.06 J	0.1 J	1.52	0.13 J	0.08 J	0.13 J	0.07 J	0.13 J	0.14 J	4.65		0.09 J	2.85	0.83		0.07 J	0.2	1.03				0.08 J			0.09 J	0.11 J	
Selenium, Total	10	ug/l		55				64.5		1.83 J	3.5 J		3.96 J		284				27				21.1			7.7 J	291		3.62 J
Silver, Total	50	ug/l				1.68									6.2 J														
Polychlorinated Biphenyls																													
Aroclor 1260	0.09	ug/l						0.08 J							0.18	0.44			0.09				0.06 J						
PCBs, Total		ug/l						0.08 J							0.18				0.09				0.06 J						

NOTES: Samples were collected by CHA Consulting, Inc. and analyzed by Alpha Analytical

New York TOGS 1.1.1. Groundwater Effluent Limitations criteria reflects all addendum to criteria through June 2004.

Values highlighted in blue indicate exceedance of TOGS 1.1.1 Groundwater Effluent Limitations (Class GA)

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

4.0 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

The Site was observed to be in overall good condition at the time of the most recent sitewide inspection, conducted on June 21, 2018. Specific observations are noted below:

- Significant cracks were noted on the top of the bulkhead.
- Stone along the bulkhead has eroded and compacted.

Issues identified during the sitewide inspection requiring corrective action were limited to the following:

- The wells still lack permanent protective casings; however, the casings will be installed after the site is developed.

No additional development of the Site has occurred since the last inspection in September 2017.

Evaluation of Remedy Performance, Effectiveness & Protectiveness

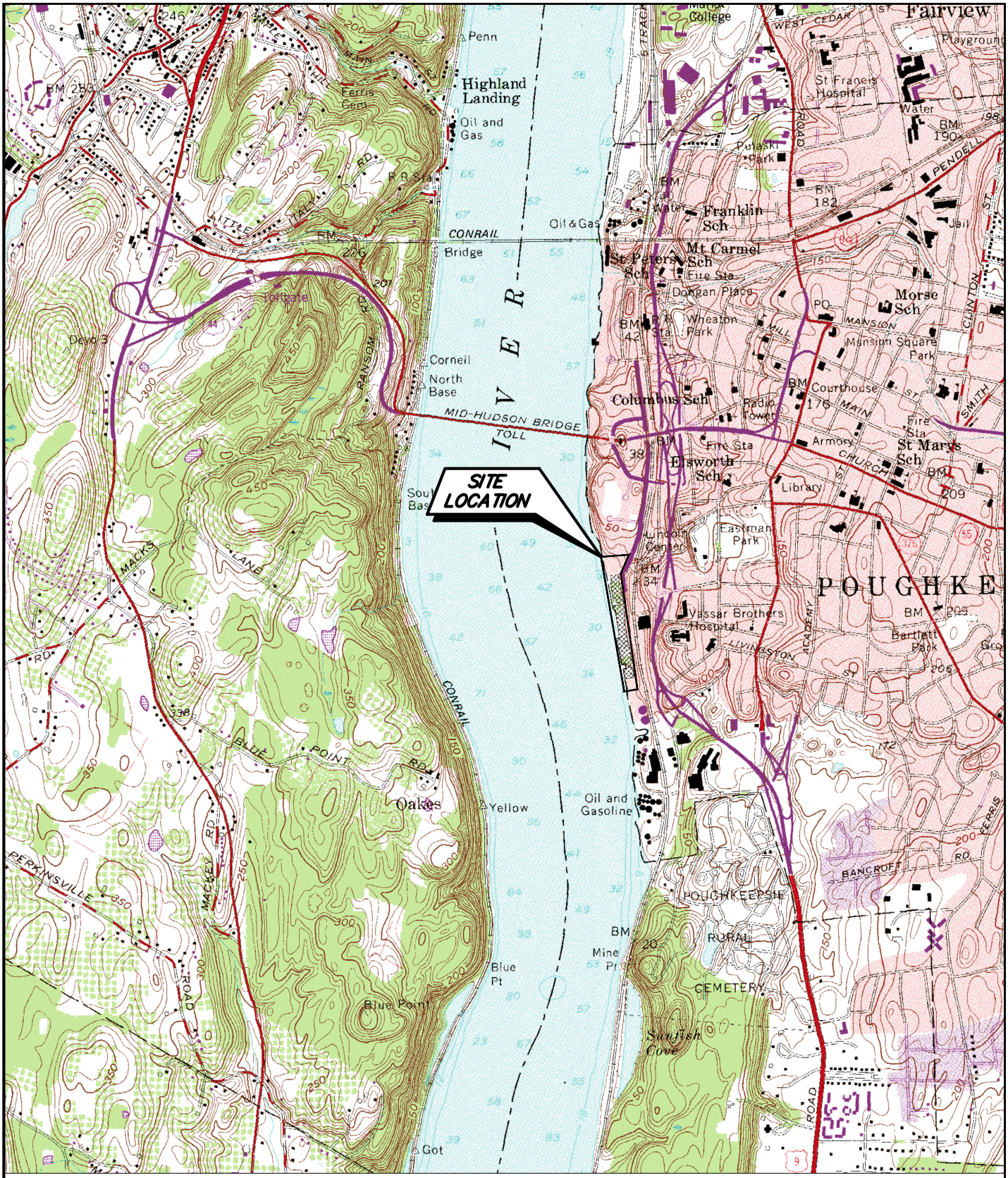
Based on the removal of contaminated soil and other contaminant sources, and post-remediation soil sampling, as described in the Final Engineering Report for the Site, the remedy has achieved the remedial action objectives (RAOs) for soil. Provided the Institutional Controls and Engineering Controls established for the Site remain in place and are maintained, it is expected that the remedy will continue to be effective in the protection of human health and the environment.

The results of groundwater sampling conducted in June 2018 (described in detail in Section 3.2) indicate that the remedy continues to be effective in achieving the RAOs for groundwater.

Recommendations

It is recommended that the current institutional and engineering controls in place at the Site remain in place, and the engineering controls continue to be inspected and monitored. It is recommended that the annual groundwater monitoring program continue. No changes to the remedy, and/or monitoring or operation & maintenance plans are recommended at this time.

FIGURES



SOURCE: U.S.G.S. QUADRANGLE
QUADRANGLE: POUGHKEEPSIE, NEW YORK

SCALE: 1"=2000'

CHA
III Winners Circle, PO Box 5269
Albany, NY 12205-0269
518.453.4500 • www.chacompanies.com

SITE LOCATION MAP

THE DeLAVAL PROPERTY
ENVIRONMENTAL RESTORATION PROJECT
CITY OF POUGHKEEPSIE, NEW YORK

PROJECT NO. 30114

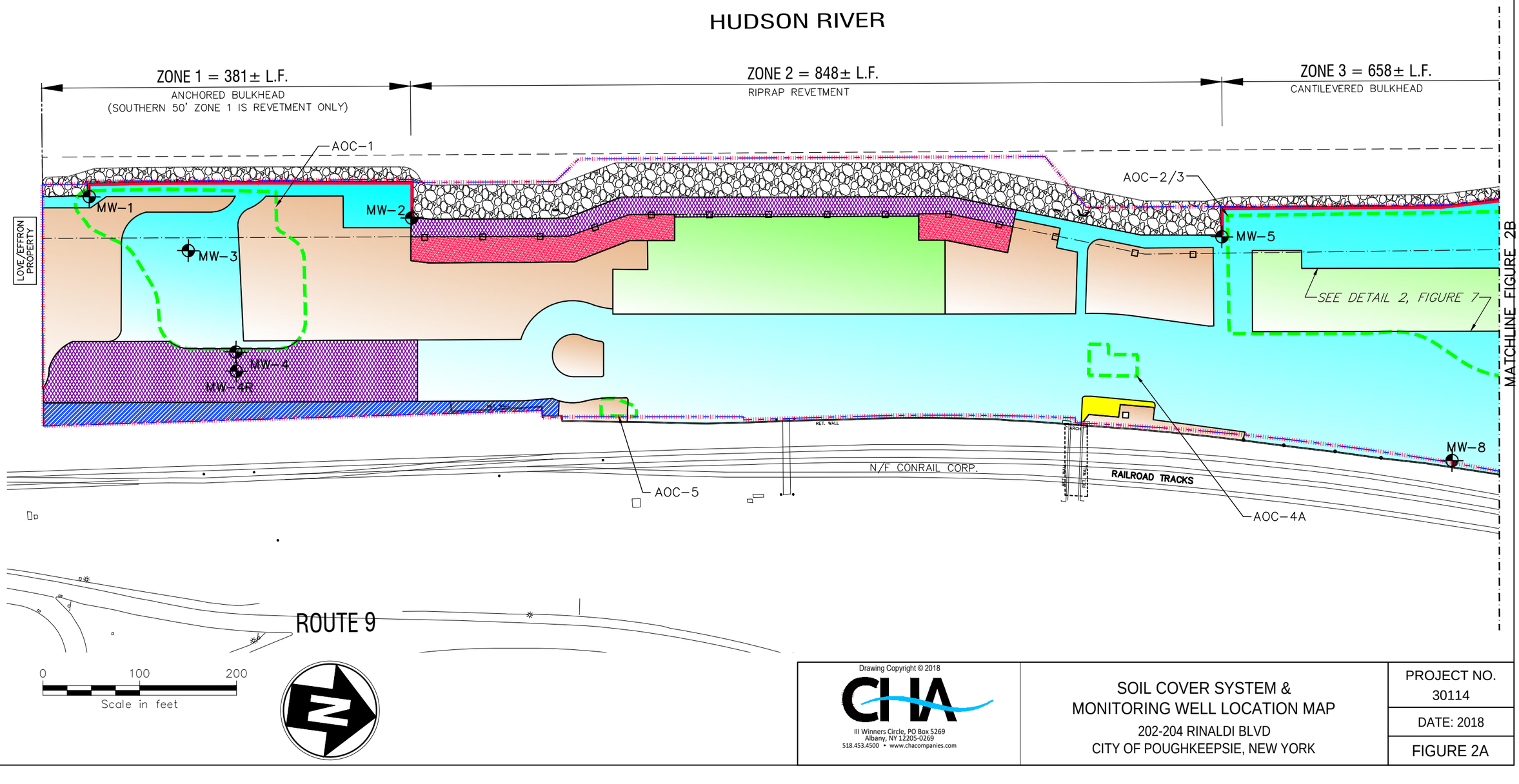
DATE: 2018

FIGURE 1

File: V:\PROJECTS\ANY\K4\30114\CADD\FIGURES\ENVIROMENTAL\30114_FIGURE_1.DWG Saved: 7/31/2018 10:51:36 AM PLotted: 11/9/2018 2:53:54 PM User: Miller, Samantha

LEGEND

- APPROXIMATE LIMITS AOCS (EXCAVATION AREA LIMITS)
- PROPERTY BOUNDARY
- SITE BOUNDARY
- BULKHEAD LOCATIONS
- RIP RAP REVETMENT
- MW-1 MONITORING WELL LOCATION
- SOIL COVER IN FUTURE GREEN SPACE AREAS: 6 OZ. NON-WOVEN GEOTEXTILE, 12" MIN. SILT/TOPSOIL
- SOIL COVER OVER FUTURE IMPERVIOUS AREAS: 6 OZ. NON-WOVEN GEOTEXTILE, 12" MIN. ITEM 4
- SOIL COVER ON SOUTH EAST SLOPE: GEOGRID, 6" ITEM 4, 6" TOPSOIL
- SOIL COVER OVER FUTURE IMPERVIOUS AREAS w/ POTENTIAL REMAINING ACM: 6 OZ. NON-WOVEN GEOTEXTILE, 24" MIN. ITEM 4
- SOIL COVER OVER FUTURE PERVIOUS AREAS w/ POTENTIAL REMAINING ACM: 6 OZ. NON-WOVEN GEOTEXTILE, 24" MIN. SILT / TOPSOIL
- SOIL COVER IN FUTURE BUILDING PAD AREAS: 6 OZ. NON-WOVEN GEOTEXTILE, > 24" MIN. ITEM 4
- SOIL COVER AT PUMP STATION (INSTALLED PRIOR TO 2008): 6 OZ. NON-WOVEN GEOTEXTILE, 12" MIN. ITEM 4
- SOIL COVER INSTALLED PRIOR TO 2008: 6 OZ. NON-WOVEN GEOTEXTILE, 12" MIN. ITEM 4 & PAVED w/ ASPHALT, OR CONCRETE
- SOIL COVER INSTALLED PRIOR TO 2008: 6 OZ. NON-WOVEN GEOTEXTILE, 12" MIN. ITEM 4 & TOPSOIL AND/OR MULCH
- NO SOIL COVER INSTALLED



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SOIL COVER SYSTEM & MONITORING WELL LOCATION MAP

202-204 RINALDI BLVD
CITY OF POUGHKEEPSIE, NEW YORK

PROJECT NO. 30114

DATE: 2018

FIGURE 2A

MATCHLINE FIGURE 2A

WAVE ATTENUATOR

DOCK

DOCK

MARINA

HUDSON RIVER

ZONE 3 = 658± L.F.
CANTILEVERED BULKHEAD

ZONE 4 = 730± L.F.
RIPRAP REVETMENT

ZONE 5 = 311± L.F.
RIPRAP REVETMENT W/ LIVE STAKE PLANTINGS

KAAL ROCK PARK

WALKWAY

MW-6

SEE DETAIL 2, FIGURE 7

MW-7R

MW-7

MW-9

DeLAVAL PROPERTY

N/F
CITY OF POUGHKEEPSIE
AKA "PUMP STATION SITE"

BENCHMARK
"+" CUT @
N. FLANGE BOLT
ELEV=11.1

THE GRANDVIEW DEVELOPMENT
(FORMER STP SITE)

N/F
CITY OF POUGHKEEPSIE
AKA "STP SITE"

RAILROAD TRACKS

PINE ST.

RINALDI BLVD.

WESTERLY TERMINUS OF PINE ST.

AOC-2/3

0 100 200
Scale in feet

N

LEGEND

- APPROXIMATE LIMITS AOCS (EXCAVATION AREA LIMITS)
- PROPERTY BOUNDARY
- SITE BOUNDARY
- BULKHEAD LOCATIONS
- RIP RAP REVETMENT
- MONITORING WELL LOCATION — MW-1

- SOIL COVER IN FUTURE GREEN SPACE AREAS: 6 OZ. NON-WOVEN GEOTEXTILE, 12" MIN. SILT/TOPSOIL
- SOIL COVER OVER FUTURE IMPERVIOUS AREAS: 6 OZ. NON-WOVEN GEOTEXTILE, 12" MIN. ITEM 4
- SOIL COVER ON SOUTH EAST SLOPE: GEOGRID, 6" ITEM 4, 6" TOPSOIL
- SOIL COVER OVER FUTURE IMPERVIOUS AREAS W/ POTENTIAL REMAINING ACM: 6 OZ. NON-WOVEN GEOTEXTILE, 24" MIN. ITEM 4
- SOIL COVER OVER FUTURE PERVIOUS AREAS W/ POTENTIAL REMAINING ACM: 6 OZ. NON-WOVEN GEOTEXTILE, 24" MIN. SILT / TOPSOIL

- SOIL COVER IN FUTURE BUILDING PAD AREAS: 6 OZ. NON-WOVEN GEOTEXTILE, > 24" MIN. ITEM 4
- SOIL COVER AT PUMP STATION (INSTALLED PRIOR TO 2008): 6 OZ. NON-WOVEN GEOTEXTILE, 12" MIN. ITEM 4
- SOIL COVER INSTALLED PRIOR TO 2008: 6 OZ. NON-WOVEN GEOTEXTILE, 12" MIN. ITEM 4 & PAVED W/ ASPHALT, OR CONCRETE
- SOIL COVER INSTALLED PRIOR TO 2008: 6 OZ. NON-WOVEN GEOTEXTILE, 12" MIN. ITEM 4 & TOPSOIL AND/OR MULCH
- NO SOIL COVER INSTALLED

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SOIL COVER SYSTEM & MONITORING WELL LOCATION MAP

202-204 RINALDI BOULEVARD
CITY OF POUGHKEEPSIE, NEW YORK

PROJECT NO. 30114

DATE: 2018

FIGURE 2B

APPENDIX A

Institutional & Engineering Controls Certification Forms

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **B00190**

Site Name Hudson River Waterfront-DeLaval Property

Site Address: 202-204 Rinaldi Blvd. Zip Code: 12601-
City/Town: Poughkeepsie (C)
County: Dutchess
Site Acreage: 13.6

Reporting Period: January 2018 to December 2018

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☑	☐
7. Are all ICs/ECs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. B00190 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
131300-6061-43-752749	City of Poughkeepsie	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan O&M Plan

Annual groundwater monitoring
Compliance with the Site Management Plan, including the Excavation Work Plan
Groundwater use restriction
Site use restricted to commercial usage

Box 4

Description of Engineering Controls

Parcel	Engineering Control
131300-6061-43-752749	Vapor Mitigation Cover System Subsurface Barriers Fencing/Access Control

Soil Cover across the site
Two steel-sheet pile bulkheads along the Hudson River
Fencing along the northeast site boundary
Sub-slab depressurization systems for any buildings constructed on-site

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☑	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☑	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. B00190

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I JOSEPH T. KANE (print name) at CITY OF POUGHKEEPSIE ENGINEERING, (print business address)

am certifying as DESIGNATED REPRESENTATIVE (OWNER) (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

Date 12/13/2018

IC/EC CERTIFICATIONS

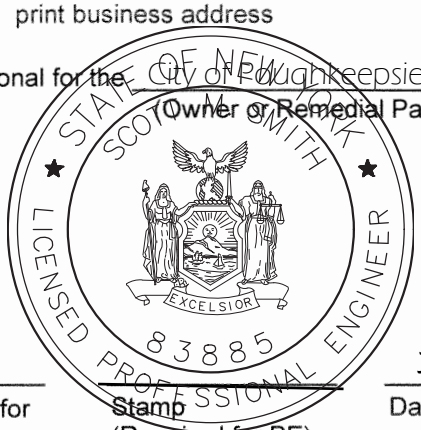
Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Scott M. Smith (print name) at 300 South Street, Syracuse, New York 13202 (print business address),

am certifying as a Qualified Environmental Professional for the City of Poughkeepsie (Owner or Remedial Party)



Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

12/14/18
Date

APPENDIX B

Sitewide Inspection Checklist

SITE-WIDE INSPECTION CHECKLIST

Report No. 004	
Date: 06/21/2018	Time: 10:30 AM

Site Name: DeLaval ERP Site	NYSDEC Site No. B00190-3
Address: 202-204 Rinalidi Blvd, Poughkeepsie, NY, 12601	Project No. 30114
Inspector(s): S. Miller, K. Ehmann	Weather:
	Temp.: Hi 75°F Low 73°F
Type of Inspection: ☒ Routine ☐ Post Severe Condition	Time Low Tide: 3:00 PM

SOIL COVER SYSTEM INSPECTION

ITEM/CONDITION	TRUE	FALSE	N/A	COMMENTS
There is no evidence of erosion of cover soils/materials from Site surface.	☒	☐	☐	
There is no evidence of depressions in cover materials.	☒	☐	☐	
There is no evidence of significant cracks in cover materials.	☐	☒	☐	Significant crack in the top of a bulkhead
There is no evidence of exposed or damaged demarcation barrier.	☒	☐	☐	
There is no evidence of vapors or odors emanating from the Site.	☒	☐	☐	

VEGETATIVE INSPECTION

ITEM/CONDITION	TRUE	FALSE	N/A	COMMENTS
Vegetation is well established over greenspace areas.	☒	☐	☐	
There is no evidence of stressed vegetation.	☒	☐	☐	
There is no evidence of bare or thin vegetative cover.	☒	☐	☐	
There is no evidence of overgrowth or areas that need to be mowed.	☒	☐	☐	
There is no evidence of recent areas of excavation or disturbed areas.	☒	☐	☐	

VECTOR INSPECTION

ITEM/CONDITION	TRUE	FALSE	N/A	COMMENTS
No vectors or vector activity (e.g. tracks, droppings, dens, etc.) were observed.	☒	☐	☐	
There was no evidence of damage to the soil cover system due to vector activity.	☒	☐	☐	

DRAINAGE SYSTEM INSPECTION

ITEM/CONDITION	TRUE	FALSE	N/A	COMMENTS
There is no evidence of erosion around drainage structures.	☒	☐	☐	
There is no evidence of settlement of drainage structures	☒	☐	☐	
Manhole covers present & in good condition.	☒	☐	☐	
There is no evidence of siltation, debris, or other restrictions in the manholes.	☒	☐	☐	
There are no exposed or damaged weep hole extension along retaining wall.	☒	☐	☐	
The backflow preventers in the 36-inch outfall manhole are present/functional.	☒	☐	☐	

BULKHEAD INSPECTION

SITE-WIDE INSPECTION CHECKLIST

Report No. 004	
Date: 06/21/2018	Time: 10:30 AM

ITEM/CONDITION	TRUE	FALSE	N/A	COMMENTS
There is no evidence of significant movement or deflections of bulkheads.	☐	☒	☐	One bulkhead appears to be angled towards the Hudson, see photos. The angle appears to be similar to previous site inspections and will continue to be monitored.
There is no evidence of damage to the sheet piles through impacts from boats, ice, etc.	☒	☐	☐	
There is no evidence of leaks from interlocks.	☒	☐	☐	
There is no evidence of significant coating damage.	☒	☐	☐	
There is no evidence of significant corrosion.	☒	☐	☐	
There is no significant damage to the precast caps (e.g. cracks, spalling, etc.).	☐	☒	☐	One appears to be angled towards the Hudson, see photos
There is no evidence of scour, erosion, cracks, or settlement behind the bulkheads.	☐	☒	☐	
There is no evidence of a loss of toe protection stone from the front of the bulkheads (to extent visible at surface).	☒	☐	☐	
There is no visible evidence of sheen in the vicinity of the bulkheads.	☒	☐	☐	
There is no evidence of significant damage to the stormwater outfalls or associated concrete collars.	☒	☐	☐	
There is no evidence of flow restriction at the outfalls	☒	☐	☐	
There is no evidence of sheen emanating from the outfalls	☒	☐	☐	
REVETMENT INSPECTION				
ITEM/CONDITION	**TRUE**	**FALSE**	**N/A**	**COMMENTS**
There are no large voids or evidence of significant stone loss in revetment areas.	☒	☐	☐	
There is no evidence of significant settlement of the revetment sections.	☒	☐	☐	
The concrete headwalls are in-place and in good condition.	☒	☐	☐	
There is no evidence of flow restriction at the outfalls	☒	☐	☐	
There is no evidence of sheen emanating from the outfalls	☒	☐	☐	
MONITORING WELL INSPECTION				
ITEM/CONDITION	**TRUE**	**FALSE**	**N/A**	**COMMENTS**
The monitoring wells are in generally good condition.	☒	☐	☐	
Well caps are installed on the wells.	☒	☐	☐	
Locks present and secured.	☐	☐	☒	No Locks
SITE ACCESSIBILITY INSPECTION				
ITEM/CONDITION	**TRUE**	**FALSE**	**N/A**	**COMMENTS**
Site accessible and passable.	☒	☐	☐	

SITE-WIDE INSPECTION CHECKLIST

Report No. 004	
Date: 06/21/2018	Time: 10:30 AM

INSTITUTIONAL CONTROL INSPECTION

ITEM/CONDITION	TRUE	FALSE	N/A	COMMENTS
The Site continues to be utilized for commercial and passive recreational uses only.	☒	☐	☐	
There is no evidence of groundwater extraction and/or use on Site.	☒	☐	☐	

ADDITIONAL NOTES & OBSERVATIONS

Signature: Samantha Miller

Total Inspection Time: 1 hr

APPENDIX C

Site Photographs

Photograph 1. Looking towards the south side of the site.

Photograph 2. Looking toward the southwest side of the site.

Photograph 3. Looking toward the east side of the site with the elevated railroad and residential area adjacent to the site.

Photograph 4. Looking toward the east side of the site with the elevated railroad and residential area adjacent to the site.

Photograph 5. On site storage unit/container and location of the drum containing purge water from the monitoring well sampling event.

Photograph 6. Main entrance to the site, looking to the northeast.

Photograph 7. The northernmost portion of the site, looking north.

Photograph 8. Looking toward the north end of the site.

Photograph 9. Significant gap in the precast concrete cap on top of the bulkhead that is angled toward the river. This is consistent with previous site inspections.

Photograph 10. Significant gap in the precast concrete cap on top of the bulkhead that is angled toward the river.

Photograph 11. Stick-up monitoring well.

Photograph 12. Looking southeast an example of the run of crush cover system.

Photograph 13. Zone 3 Bulkhead.

Photograph 14. Zone 3 Bulkhead and the concrete headwall at outfall.

Photograph 15. Zone 1 Bulkhead.

Photograph 16. Zone 1 Bulkhead and concrete headwall at outfall.

Photograph 17. Rip-rap revetment system on the shore of the river, looking north.

Photograph 18. Example of vegetation ground in and around the PVC casing around the monitoring well.

Photograph 19. Gap between the soil cover system and the bulkhead/concrete cap on the bulkhead observed in Zone 3.

Photograph 20. Gap between the soil cover system and the bulkhead/concrete cap on the bulkhead observed in Zone 3.

APPENDIX D

Groundwater Sampling Logs

Appendix D.1

Depth to Groundwater Measurements

DeLaval Property - June 2018 Groundwater Sampling Event

CHA Project No.: 30114

Well ID	Measuring Point	Measurement Time	Depth to Water	Comments
MW-1	TOR	11:47	6.91	No free product
MW-2	TOR	11:39	7.14	No free product
MW-3	TOR	10:56	10	No free product
MW-4	TOR	10:51	18.92	No free product
MW-5	TOR	11:34	7.74	No free product
MW-6	TOR	11:28	7.78	No free product
MW-7	TOR	11:24	10.59	No free product
MW-8	TOR	11:08	11.84	No free product
MW-9	TOR	11:21	10.68	No free product

Appendix D.2

Sampling Summary

DeLaval Property - June 2018 Groundwater Sampling Event

CHA Project No.: 30114

Well ID	Sampling Method	Sampling Time	Sample Analyses	Number of Bottles	QA/QC	QA/QC Sample ID	QA/QC Sample Time
MW-1	Submersible	12:25	VOCs, SVOCs, PCBs, Metals	8			
MW-2	Bailer	16:55	VOCs, SVOCs, PCBs, Metals	8			
MW-4	Submersible	13:15	VOCs, SVOCs, PCBs, Metals	8			
MW-5	Submersible	17:35	VOCs, SVOCs, PCBs, Metals	8			
MW-6	Submersible	08:40	VOCs, SVOCs, PCBs, Metals	8			
MW-8	Submersible	15:55	VOCs, SVOCs, PCBs, Metals	8	yes	CHA001	15:45
MW-9	Submersible	15:10	VOCs, SVOCs, PCBs, Metals	8			

Appendix D.3

Sample Purging Summary

DeLaval Property - June 2018 Groundwater Sampling Event

CHA Project No.: 30114

Well ID	Method of Purging	Time	ORP/Eh (mV)	pH	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Description
MW-1	Submersible	12:04	-176	7.37	0.701	1000	3.43	19.6	
		12:07	-140	7.15	0.722	490	2.61	18.09	
		12:10	-162	7.14	0.825	153	5.53	17.78	
		12:13	-170	7.15	0.842	65.3	4.06	17.88	
		12:16	-184	7.19	0.845	59.3	7.59	17.7	
		12:19	-185	7.2	0.851	38.4	6.96	17.66	
		12:22	-188	7.22	0.852	31.4	6.15	0	
MW-2	Bailer	16:48	145	7.45	0.804	1000	3.28	20.46	Purged and sampled with a bailer due to pump malfunction
		16:50	108	7.36	0.919	724	2.53	17.89	
		16:53	22	7.32	0.925	434	1.59	17.9	
MW-4	Submersible	12:54	77	6.72	2.79	240	7.81	16.65	
		12:57	85	6.68	2.78	125	7.46	16.14	
		13:00	101	6.62	2.73	29	7.15	14.63	
		13:04	111	6.57	2.73	22.1	7.26	14.33	
		13:06	113	6.55	2.75	21.3	6.44	14.71	
		13:09	116	6.54	2.74	16.1	6.31	14.03	
		13:12	120	6.53	2.74	11.1	6.01	13.87	
MW-5	Submersible	17:20	152	6.88	0.301	151	8.46	21.04	
		17:23	161	6.76	0.293	96.3	6.32	22.77	
		17:26	167	6.73	0.297	82	6.33	22.96	
		17:29	172	6.74	0.309	71.3	7.06	21.95	
		17:32	176	6.78	0.313	50	7.12	22.44	
MW-6	Submersible	08:27	211	7.15	0.399	320	6.63	19.29	
		08:30	211	7.09	0.4	267	3.74	19.43	
		08:33	209	7.08	0.398	196	2.17	19.56	
		08:36	205	7.09	0.397	139	1.37	19.6	
		08:39	198	7.12	0.396	81.1	0.7	19.66	

Appendix D.3

Sample Purging Summary

DeLaval Property - June 2018 Groundwater Sampling Event

CHA Project No.: 30114

Well ID	Method of Purging	Time	ORP/Eh (mV)	pH	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Description
MW-8	Submersible	15:38	139	6.73	0.724	1000	10.39	15.78	
		15:41	158	6.66	0.725	1000	8.88	16.09	
		15:44	170	6.61	0.723	572	7.88	15.32	
		15:48	179	6.5	0.722	352	7.16	15.6	
		15:51	183	6.49	0.722	245	6.93	16.03	
MW-9	Submersible	14:52	175	6.82	1.05	83.5	2.56	18.77	
		14:54	179	6.78	1.07	46	2.39	15.79	
		14:57	182	6.73	1.04	29.9	1.35	15.17	
		15:01	182	6.7	1.01	22.5	1	15.34	
		15:04	181	6.7	0.964	14.8	0.7	14.63	
		15:07	178	6.7	0.952	11.3	0.53	14.43	

APPENDIX E

Waste Disposal Documentation

VEOLIA ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
	CESQGNY	1	(877) 918-0087	ZZ00701668

GENERATOR

5. Generator's Name and Mailing Address
LYNNE FARRELL
DELAVAL
202-204 RINALDI BOULEVARD
POUGHKEEPSIE, NY 12601
Generator's Phone: 518 688-7393

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name
VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: NJD080631369

7. Transporter 2 Company Name
FREEHOLD CARTAGE INC
U.S. EPA ID Number: NJD054126164

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS
125 FACTORY LANE
MIDDLESEX, NJ 08846
U.S. EPA ID Number: NJD002454544
Facility's Phone: 732 469-5100

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON RCRA AND DOT NON REGULATED LIQUID	1	DM	400	P	ID72
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ER Service Contracted by VESTS -|- Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: JOSEPH KANE
Signature:
Month: 10 Day: 02 Year: 18

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment
Transporter 1 Printed/Typed Name: Hugh Stewitt
Signature:
Month: 10 Day: 02 Year: 18
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Shipping Document Tracking Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a
Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY TO GENERATOR

PACKING SUMMARY

Generator Number: 654312
DELAVAL
202-204 Rinaldi Boulevard
Poughkeepsie, NY 12601
Attn: Lynne Farrell
EPA ID: CESQGNY

Manifest Number: ZZ00701668
Field System ID: YV
Work Order Number: 3150670000
Date Shipped: 10/02/2018

Container#: YV-3150670000-001 Waste Area: Manifest Page/Line: 01 / 1

WIP: 363470 DisposalCode: MARWATER-NH PHY State: L

Date Accumulated: 10/02/2018 Gen Drum ID:

Shipping Name: NON RCRA AND DOT NON REGULATED LIQUID

No. of Commons: 01 Outer Container: 55IA2-DM Inner Container:

Primary Waste Codes: ID72 PCB Serial #: OOS Date: / /

Total Cmns Wt: 400 SIC: 8999 Source: G09 Form: W119 System: H141 Cubic Ft.: 7.50

Individual Common Weights: 1 @ 400 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		PURGED WELL WATER [100%]	ID72

APPENDIX F

Laboratory Analytical Report

ANALYTICAL REPORT

Lab Number:	L1823917
Client:	CHA Companies One Park Place 300 South State St., Suite 600 Syracuse, NY 13202
ATTN:	Samantha Miller
Phone:	(315) 471-3920
Project Name:	DELAVAL
Project Number:	30114
Report Date:	07/02/18

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1823917-01	MW-1	WATER	POUGHKEEPSIE, NY	06/21/18 12:25	06/22/18
L1823917-02	MW-2	WATER	POUGHKEEPSIE, NY	06/21/18 16:55	06/22/18
L1823917-03	MW-4	WATER	POUGHKEEPSIE, NY	06/21/18 13:15	06/22/18
L1823917-04	MW-5	WATER	POUGHKEEPSIE, NY	06/21/18 17:35	06/22/18
L1823917-05	MW-6	WATER	POUGHKEEPSIE, NY	06/22/18 08:40	06/22/18
L1823917-06	MW-8	WATER	POUGHKEEPSIE, NY	06/21/18 15:55	06/22/18
L1823917-07	MW-9	WATER	POUGHKEEPSIE, NY	06/21/18 15:10	06/22/18
L1823917-08	CHA001	WATER	POUGHKEEPSIE, NY	06/21/18 15:45	06/22/18
L1823917-09	WASTE CHAR001	WATER	POUGHKEEPSIE, NY	06/22/18 08:50	06/22/18
L1823917-10	TRIP BLANK	WATER	POUGHKEEPSIE, NY	06/22/18 00:00	06/22/18

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: DELAVAL **Lab Number:** L1823917
Project Number: 30114 **Report Date:** 07/02/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The element list for metals analysis was specified by the client.

L1823917-10: A sample identified as "TRIP BLANK" was received but not listed on the Chain of Custody. This sample was not analyzed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 07/02/18

ORGANICS

VOLATILES

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-01
Client ID: MW-1
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 12:25
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/28/18 13:29
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-01 Date Collected: 06/21/18 12:25

Client ID: MW-1 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-02 Date Collected: 06/21/18 16:55
Client ID: MW-2 Date Received: 06/22/18
Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/28/18 13:54
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-02 Date Collected: 06/21/18 16:55

Client ID: MW-2 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-03 Date Collected: 06/21/18 13:15
Client ID: MW-4 Date Received: 06/22/18
Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/28/18 14:19
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.75		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-03 Date Collected: 06/21/18 13:15

Client ID: MW-4 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-04
Client ID: MW-5
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 17:35
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/28/18 14:44
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-04 Date Collected: 06/21/18 17:35

Client ID: MW-5 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-05
Client ID: MW-6
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/22/18 08:40
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/28/18 15:10
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-05 Date Collected: 06/22/18 08:40

Client ID: MW-6 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-06
Client ID: MW-8
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 15:55
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/28/18 15:35
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-06 Date Collected: 06/21/18 15:55

Client ID: MW-8 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-07
Client ID: MW-9
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 15:10
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/28/18 16:00
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-07 Date Collected: 06/21/18 15:10

Client ID: MW-9 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-08
Client ID: CHA001
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 15:45
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/28/18 16:25
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-08 Date Collected: 06/21/18 15:45

Client ID: CHA001 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-09
Client ID: WASTE CHAR001
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/22/18 08:50
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/28/18 16:51
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-09 Date Collected: 06/22/18 08:50

Client ID: WASTE CHAR001 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	41		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/28/18 10:33
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1130808-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/28/18 10:33
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1130808-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Tentatively Identified Compounds			
Total TIC Compounds	3.54	J	ug/l
Unknown	3.54	J	ug/l

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/28/18 10:33
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1130808-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1130808-3 WG1130808-4								
Methylene chloride	90		90		70-130	0		20
1,1-Dichloroethane	92		90		70-130	2		20
Chloroform	91		91		70-130	0		20
Carbon tetrachloride	94		92		63-132	2		20
1,2-Dichloropropane	90		88		70-130	2		20
Dibromochloromethane	73		73		63-130	0		20
1,1,2-Trichloroethane	86		86		70-130	0		20
Tetrachloroethene	98		96		70-130	2		20
Chlorobenzene	92		90		75-130	2		20
Trichlorofluoromethane	91		89		62-150	2		20
1,2-Dichloroethane	82		82		70-130	0		20
1,1,1-Trichloroethane	91		90		67-130	1		20
Bromodichloromethane	86		86		67-130	0		20
trans-1,3-Dichloropropene	76		76		70-130	0		20
cis-1,3-Dichloropropene	88		86		70-130	2		20
Bromoform	67		66		54-136	2		20
1,1,2,2-Tetrachloroethane	80		78		67-130	3		20
Benzene	94		92		70-130	2		20
Toluene	94		92		70-130	2		20
Ethylbenzene	96		94		70-130	2		20
Chloromethane	98		96		64-130	2		20
Bromomethane	90		86		39-139	5		20
Vinyl chloride	99		98		55-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: DELAVAL

Project Number: 30114

Lab Number: L1823917

Report Date: 07/02/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1130808-3 WG1130808-4								
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	93		91		61-145	2		20
trans-1,2-Dichloroethene	93		91		70-130	2		20
Trichloroethene	89		88		70-130	1		20
1,2-Dichlorobenzene	88		86		70-130	2		20
1,3-Dichlorobenzene	94		92		70-130	2		20
1,4-Dichlorobenzene	91		89		70-130	2		20
Methyl tert butyl ether	82		82		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	92		91		70-130	1		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	96		94		36-147	2		20
Acetone	70		73		58-148	4		20
Carbon disulfide	99		97		51-130	2		20
2-Butanone	82		78		63-138	5		20
4-Methyl-2-pentanone	69		72		59-130	4		20
2-Hexanone	66		68		57-130	3		20
Bromochloromethane	86		85		70-130	1		20
1,2-Dibromoethane	82		82		70-130	0		20
1,2-Dibromo-3-chloropropane	58		59		41-144	2		20
Isopropylbenzene	110		100		70-130	10		20
1,2,3-Trichlorobenzene	80		77		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: DELAVAL

Project Number: 30114

Lab Number: L1823917

Report Date: 07/02/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1130808-3 WG1130808-4								
1,2,4-Trichlorobenzene	87		85		70-130	2		20
Methyl Acetate	73		73		70-130	0		20
Cyclohexane	100		99		70-130	1		20
1,4-Dioxane	82		78		56-162	5		20
Freon-113	90		88		70-130	2		20
Methyl cyclohexane	120		120		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		96		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	99		98		70-130

SEMIVOLATILES

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-01
Client ID: MW-1
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 12:25
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/28/18 06:45
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-01 Date Collected: 06/21/18 12:25

Client ID: MW-1 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	92		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-01
Client ID: MW-1
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 12:25
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/28/18 10:11
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.15		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.07	J	ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	0.04	J	ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.12		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	0.07	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-01 Date Collected: 06/21/18 12:25

Client ID: MW-1 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	89		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-02
Client ID: MW-2
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 16:55
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/28/18 18:13
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-02 Date Collected: 06/21/18 16:55

Client ID: MW-2 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	45.		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	105		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-02
Client ID: MW-2
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 16:55
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/28/18 10:37
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-02 Date Collected: 06/21/18 16:55

Client ID: MW-2 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	90		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-03
Client ID: MW-4
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 13:15
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/28/18 07:37
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-03 Date Collected: 06/21/18 13:15

Client ID: MW-4 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	87		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-03
Client ID: MW-4
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 13:15
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/28/18 11:03
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.25		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.11		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.11		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	0.05	J	ug/l	0.10	0.04	1
Chrysene	0.11		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	0.06	J	ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.26		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	0.21		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-03 Date Collected: 06/21/18 13:15

Client ID: MW-4 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	85		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-04
Client ID: MW-5
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 17:35
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/28/18 08:03
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-04 Date Collected: 06/21/18 17:35

Client ID: MW-5 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	85		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-04
Client ID: MW-5
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 17:35
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/28/18 14:35
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.25		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.12		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.13		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.18		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	0.07	J	ug/l	0.10	0.04	1
Chrysene	0.13		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	0.12		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.15		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	0.11		ug/l	0.10	0.04	1
Pyrene	0.22		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-04 Date Collected: 06/21/18 17:35

Client ID: MW-5 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	84		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-05
Client ID: MW-6
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/22/18 08:40
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/28/18 14:49
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	4.5		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-05 Date Collected: 06/22/18 08:40

Client ID: MW-6 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	98		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-05
Client ID: MW-6
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/22/18 08:40
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/28/18 15:02
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.14		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.10	J	ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.07	J	ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	0.13		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-05 Date Collected: 06/22/18 08:40

Client ID: MW-6 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	85		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-06
Client ID: MW-8
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 15:55
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/28/18 15:14
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-06 Date Collected: 06/21/18 15:55

Client ID: MW-8 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	102		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-06
Client ID: MW-8
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 15:55
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/27/18 15:06
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-06 Date Collected: 06/21/18 15:55

Client ID: MW-8 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	89		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-07
Client ID: MW-9
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 15:10
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/28/18 15:40
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-07 Date Collected: 06/21/18 15:10

Client ID: MW-9 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	103		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-07
Client ID: MW-9
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 15:10
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/27/18 15:32
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-07 Date Collected: 06/21/18 15:10

Client ID: MW-9 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	88		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-08
Client ID: CHA001
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 15:45
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/28/18 16:05
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-08 Date Collected: 06/21/18 15:45

Client ID: CHA001 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	96		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-08
Client ID: CHA001
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 15:45
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/27/18 15:58
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-08 Date Collected: 06/21/18 15:45

Client ID: CHA001 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	80		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-09
Client ID: WASTE CHAR001
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/22/18 08:50
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/28/18 16:31
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-09 Date Collected: 06/22/18 08:50

Client ID: WASTE CHAR001 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	101		41-149

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-09
Client ID: WASTE CHAR001
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/22/18 08:50
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/27/18 16:24
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.08	J	ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.50		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	0.08	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: DELAVAL **Lab Number:** L1823917

Project Number: 30114 **Report Date:** 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-09 Date Collected: 06/22/18 08:50

Client ID: WASTE CHAR001 Date Received: 06/22/18

Sample Location: POUGHKEEPSIE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	85		41-149

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/27/18 12:30
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-09 Batch: WG1129823-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.10	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.04
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04
Chrysene	ND		ug/l	0.10	0.04
Acenaphthylene	ND		ug/l	0.10	0.04
Anthracene	ND		ug/l	0.10	0.04
Benzo(ghi)perylene	ND		ug/l	0.10	0.04
Fluorene	ND		ug/l	0.10	0.04
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/27/18 12:30
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-09 Batch: WG1129823-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	80		41-149

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/27/18 16:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1129824-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Isophorone	ND		ug/l	5.0	0.60
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63
Dimethyl phthalate	ND		ug/l	5.0	0.65
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/27/18 16:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1129824-1					
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Phenol	ND		ug/l	5.0	1.9
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Atrazine	ND		ug/l	10	1.8
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	3.6
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/27/18 16:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/26/18 11:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1129824-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	74		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-09 Batch: WG1129823-2 WG1129823-3								
Acenaphthene	84		85		40-140	1		40
2-Chloronaphthalene	68		69		40-140	1		40
Fluoranthene	90		89		40-140	1		40
Hexachlorobutadiene	58		56		40-140	4		40
Naphthalene	63		62		40-140	2		40
Benzo(a)anthracene	82		81		40-140	1		40
Benzo(a)pyrene	85		84		40-140	1		40
Benzo(b)fluoranthene	86		85		40-140	1		40
Benzo(k)fluoranthene	89		87		40-140	2		40
Chrysene	85		83		40-140	2		40
Acenaphthylene	76		77		40-140	1		40
Anthracene	88		85		40-140	3		40
Benzo(ghi)perylene	73		71		40-140	3		40
Fluorene	91		91		40-140	0		40
Phenanthrene	84		82		40-140	2		40
Dibenzo(a,h)anthracene	81		79		40-140	3		40
Indeno(1,2,3-cd)pyrene	76		75		40-140	1		40
Pyrene	88		86		40-140	2		40
2-Methylnaphthalene	68		70		40-140	3		40
Pentachlorophenol	70		**26**	Q	40-140	**92**	Q	40
Hexachlorobenzene	93		81		40-140	14		40
Hexachloroethane	55		49		40-140	12		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-09 Batch: WG1129823-2 WG1129823-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	37		33		21-120
Phenol-d6	27		25		10-120
Nitrobenzene-d5	65		64		23-120
2-Fluorobiphenyl	65		66		15-120
2,4,6-Tribromophenol	87		86		10-120
4-Terphenyl-d14	88		88		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1129824-2 WG1129824-3								
Bis(2-chloroethyl)ether	64		53		40-140	19		30
3,3'-Dichlorobenzidine	64		51		40-140	23		30
2,4-Dinitrotoluene	79		65		48-143	19		30
2,6-Dinitrotoluene	80		63		40-140	24		30
4-Chlorophenyl phenyl ether	73		59		40-140	21		30
4-Bromophenyl phenyl ether	74		60		40-140	21		30
Bis(2-chloroisopropyl)ether	80		66		40-140	19		30
Bis(2-chloroethoxy)methane	73		60		40-140	20		30
Hexachlorocyclopentadiene	70		55		40-140	24		30
Isophorone	74		60		40-140	21		30
Nitrobenzene	65		54		40-140	18		30
NDPA/DPA	74		60		40-140	21		30
n-Nitrosodi-n-propylamine	71		59		29-132	18		30
Bis(2-ethylhexyl)phthalate	89		70		40-140	24		30
Butyl benzyl phthalate	85		68		40-140	22		30
Di-n-butylphthalate	83		66		40-140	23		30
Di-n-octylphthalate	92		74		40-140	22		30
Diethyl phthalate	76		62		40-140	20		30
Dimethyl phthalate	76		60		40-140	24		30
Biphenyl	70		57		40-140	20		30
4-Chloroaniline	66		54		40-140	20		30
2-Nitroaniline	82		66		52-143	22		30
3-Nitroaniline	70		60		25-145	15		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1129824-2 WG1129824-3								
4-Nitroaniline	77		64		51-143	18		30
Dibenzofuran	71		59		40-140	18		30
1,2,4,5-Tetrachlorobenzene	66		52		2-134	24		30
Acetophenone	66		55		39-129	18		30
2,4,6-Trichlorophenol	76		59		30-130	25		30
p-Chloro-m-cresol	75		59		23-97	24		30
2-Chlorophenol	59		49		27-123	19		30
2,4-Dichlorophenol	69		56		30-130	21		30
2,4-Dimethylphenol	65		54		30-130	18		30
2-Nitrophenol	69		57		30-130	19		30
4-Nitrophenol	47		39		10-80	19		30
2,4-Dinitrophenol	60		56		20-130	7		30
4,6-Dinitro-o-cresol	92		75		20-164	20		30
Phenol	35		28		12-110	22		30
3-Methylphenol/4-Methylphenol	56		48		30-130	15		30
2,4,5-Trichlorophenol	76		60		30-130	24		30
Carbazole	80		64		55-144	22		30
Atrazine	77		62		40-140	22		30
Benzaldehyde	63		52		40-140	19		30
Caprolactam	30		24		10-130	22		30
2,3,4,6-Tetrachlorophenol	74		61		40-140	19		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1129824-2 WG1129824-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	40		33		21-120
Phenol-d6	28		24		10-120
Nitrobenzene-d5	65		54		23-120
2-Fluorobiphenyl	69		58		15-120
2,4,6-Tribromophenol	65		54		10-120
4-Terphenyl-d14	84		68		41-149

PCBS

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-01
Client ID: MW-1
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 12:25
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/27/18 17:34
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 06/25/18 23:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/26/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/26/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-02
Client ID: MW-2
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 16:55
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/27/18 17:47
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 06/25/18 23:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/26/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/26/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-03
Client ID: MW-4
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 13:15
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/27/18 18:00
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 06/25/18 23:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/26/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/26/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-04
Client ID: MW-5
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 17:35
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/27/18 18:12
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 06/25/18 23:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/26/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/26/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-05
Client ID: MW-6
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/22/18 08:40
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/27/18 18:25
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 06/25/18 23:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/26/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/26/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-06
Client ID: MW-8
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 15:55
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/27/18 18:38
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 06/25/18 23:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/26/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/26/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-07
Client ID: MW-9
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 15:10
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/27/18 18:50
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 06/25/18 23:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/26/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/26/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-08
Client ID: CHA001
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/21/18 15:45
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/27/18 19:02
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 06/25/18 23:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/26/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/26/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-09
Client ID: WASTE CHAR001
Sample Location: POUGHKEEPSIE, NY

Date Collected: 06/22/18 08:50
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/27/18 19:15
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 06/25/18 23:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/26/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/26/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/26/18 18:29
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 06/25/18 00:18
Cleanup Method: EPA 3665A
Cleanup Date: 06/25/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/25/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-09 Batch: WG1129287-1						
Aroclor 1016	ND		ug/l	0.083	0.020	A
Aroclor 1221	ND		ug/l	0.083	0.032	A
Aroclor 1232	ND		ug/l	0.083	0.027	A
Aroclor 1242	ND		ug/l	0.083	0.030	A
Aroclor 1248	ND		ug/l	0.083	0.023	A
Aroclor 1254	ND		ug/l	0.083	0.035	A
Aroclor 1260	ND		ug/l	0.083	0.020	A
Aroclor 1262	ND		ug/l	0.083	0.017	A
Aroclor 1268	ND		ug/l	0.083	0.027	A
PCBs, Total	ND		ug/l	0.083	0.017	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	98		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG1129287-2 WG1129287-3									
Aroclor 1016	89		92		40-140	3		50	A
Aroclor 1260	78		85		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		99		30-150	A
Decachlorobiphenyl	84		86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		97		30-150	B
Decachlorobiphenyl	91		93		30-150	B

METALS

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-01
Client ID: MW-1
Sample Location: POUGHKEEPSIE, NY
Sample Depth:
Matrix: Water

Date Collected: 06/21/18 12:25
Date Received: 06/22/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.03036		mg/l	0.00050	0.00016	1	06/27/18 12:00	06/28/18 13:33	EPA 3005A	1,6020A	AM
Barium, Total	0.6766		mg/l	0.00050	0.00017	1	06/27/18 12:00	06/28/18 13:33	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00102		mg/l	0.00020	0.00005	1	06/27/18 12:00	06/28/18 13:33	EPA 3005A	1,6020A	AM
Chromium, Total	0.01608		mg/l	0.00100	0.00017	1	06/27/18 12:00	06/28/18 13:33	EPA 3005A	1,6020A	AM
Lead, Total	0.5644		mg/l	0.00100	0.00034	1	06/27/18 12:00	06/28/18 13:33	EPA 3005A	1,6020A	AM
Mercury, Total	0.00013	J	mg/l	0.00020	0.00006	1	06/26/18 14:22	06/27/18 13:09	EPA 7470A	1,7470A	MG
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/27/18 12:00	06/28/18 13:33	EPA 3005A	1,6020A	AM
Silver, Total	0.00168		mg/l	0.00040	0.00016	1	06/27/18 12:00	06/28/18 13:33	EPA 3005A	1,6020A	AM

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-02
Client ID: MW-2
Sample Location: POUGHKEEPSIE, NY
Sample Depth:
Matrix: Water

Date Collected: 06/21/18 16:55
Date Received: 06/22/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00487		mg/l	0.00050	0.00016	1	06/27/18 12:00	06/28/18 13:37	EPA 3005A	1,6020A	AM
Barium, Total	0.1519		mg/l	0.00050	0.00017	1	06/27/18 12:00	06/28/18 13:37	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00085		mg/l	0.00020	0.00005	1	06/27/18 12:00	06/28/18 13:37	EPA 3005A	1,6020A	AM
Chromium, Total	0.00733		mg/l	0.00100	0.00017	1	06/27/18 12:00	06/28/18 13:37	EPA 3005A	1,6020A	AM
Lead, Total	0.1169		mg/l	0.00100	0.00034	1	06/27/18 12:00	06/28/18 13:37	EPA 3005A	1,6020A	AM
Mercury, Total	0.00013	J	mg/l	0.00020	0.00006	1	06/26/18 14:22	06/27/18 13:11	EPA 7470A	1,7470A	MG
Selenium, Total	0.00183	J	mg/l	0.00500	0.00173	1	06/27/18 12:00	06/28/18 13:37	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/27/18 12:00	06/28/18 13:37	EPA 3005A	1,6020A	AM

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-03
Client ID: MW-4
Sample Location: POUGHKEEPSIE, NY
Sample Depth:
Matrix: Water

Date Collected: 06/21/18 13:15
Date Received: 06/22/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00085		mg/l	0.00050	0.00016	1	06/27/18 12:00	06/28/18 13:41	EPA 3005A	1,6020A	AM
Barium, Total	0.07921		mg/l	0.00050	0.00017	1	06/27/18 12:00	06/28/18 13:41	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00011	J	mg/l	0.00020	0.00005	1	06/27/18 12:00	06/28/18 13:41	EPA 3005A	1,6020A	AM
Chromium, Total	0.01442		mg/l	0.00100	0.00017	1	06/27/18 12:00	06/28/18 13:41	EPA 3005A	1,6020A	AM
Lead, Total	0.05497		mg/l	0.00100	0.00034	1	06/27/18 12:00	06/28/18 13:41	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/26/18 14:22	06/27/18 13:13	EPA 7470A	1,7470A	MG
Selenium, Total	0.00396	J	mg/l	0.00500	0.00173	1	06/27/18 12:00	06/28/18 13:41	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/27/18 12:00	06/28/18 13:41	EPA 3005A	1,6020A	AM

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-04
Client ID: MW-5
Sample Location: POUGHKEEPSIE, NY
Sample Depth:
Matrix: Water

Date Collected: 06/21/18 17:35
Date Received: 06/22/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00135		mg/l	0.00050	0.00016	1	06/27/18 12:00	06/28/18 13:45	EPA 3005A	1,6020A	AM
Barium, Total	0.07050		mg/l	0.00050	0.00017	1	06/27/18 12:00	06/28/18 13:45	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00010	J	mg/l	0.00020	0.00005	1	06/27/18 12:00	06/28/18 13:45	EPA 3005A	1,6020A	AM
Chromium, Total	0.00205		mg/l	0.00100	0.00017	1	06/27/18 12:00	06/28/18 13:45	EPA 3005A	1,6020A	AM
Lead, Total	0.01855		mg/l	0.00100	0.00034	1	06/27/18 12:00	06/28/18 13:45	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/26/18 14:22	06/27/18 13:15	EPA 7470A	1,7470A	MG
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/27/18 12:00	06/28/18 13:45	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/27/18 12:00	06/28/18 13:45	EPA 3005A	1,6020A	AM

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-05
Client ID: MW-6
Sample Location: POUGHKEEPSIE, NY
Sample Depth:
Matrix: Water

Date Collected: 06/22/18 08:40
Date Received: 06/22/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00346		mg/l	0.00050	0.00016	1	06/27/18 12:00	06/28/18 13:49	EPA 3005A	1,6020A	AM
Barium, Total	0.07029		mg/l	0.00050	0.00017	1	06/27/18 12:00	06/28/18 13:49	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00086		mg/l	0.00020	0.00005	1	06/27/18 12:00	06/28/18 13:49	EPA 3005A	1,6020A	AM
Chromium, Total	0.00447		mg/l	0.00100	0.00017	1	06/27/18 12:00	06/28/18 13:49	EPA 3005A	1,6020A	AM
Lead, Total	0.06351		mg/l	0.00100	0.00034	1	06/27/18 12:00	06/28/18 13:49	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/26/18 14:22	06/27/18 13:16	EPA 7470A	1,7470A	MG
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/27/18 12:00	06/28/18 13:49	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/27/18 12:00	06/28/18 13:49	EPA 3005A	1,6020A	AM

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-06
Client ID: MW-8
Sample Location: POUGHKEEPSIE, NY
Sample Depth:
Matrix: Water

Date Collected: 06/21/18 15:55
Date Received: 06/22/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00181		mg/l	0.00050	0.00016	1	06/27/18 12:00	06/28/18 13:53	EPA 3005A	1,6020A	AM
Barium, Total	0.05430		mg/l	0.00050	0.00017	1	06/27/18 12:00	06/28/18 13:53	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/27/18 12:00	06/28/18 13:53	EPA 3005A	1,6020A	AM
Chromium, Total	0.00221		mg/l	0.00100	0.00017	1	06/27/18 12:00	06/28/18 13:53	EPA 3005A	1,6020A	AM
Lead, Total	0.00325		mg/l	0.00100	0.00034	1	06/27/18 12:00	06/28/18 13:53	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/26/18 14:22	06/27/18 13:18	EPA 7470A	1,7470A	MG
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/27/18 12:00	06/28/18 13:53	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/27/18 12:00	06/28/18 13:53	EPA 3005A	1,6020A	AM

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-07
Client ID: MW-9
Sample Location: POUGHKEEPSIE, NY
Sample Depth:
Matrix: Water

Date Collected: 06/21/18 15:10
Date Received: 06/22/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00061		mg/l	0.00050	0.00016	1	06/27/18 12:00	06/28/18 13:57	EPA 3005A	1,6020A	AM
Barium, Total	0.02285		mg/l	0.00050	0.00017	1	06/27/18 12:00	06/28/18 13:57	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00013	J	mg/l	0.00020	0.00005	1	06/27/18 12:00	06/28/18 13:57	EPA 3005A	1,6020A	AM
Chromium, Total	0.00125		mg/l	0.00100	0.00017	1	06/27/18 12:00	06/28/18 13:57	EPA 3005A	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	06/27/18 12:00	06/28/18 13:57	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/26/18 14:22	06/27/18 13:20	EPA 7470A	1,7470A	MG
Selenium, Total	0.00362	J	mg/l	0.00500	0.00173	1	06/27/18 12:00	06/28/18 13:57	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/27/18 12:00	06/28/18 13:57	EPA 3005A	1,6020A	AM

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-08
Client ID: CHA001
Sample Location: POUGHKEEPSIE, NY
Date Collected: 06/21/18 15:45
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00104		mg/l	0.00050	0.00016	1	06/27/18 12:00	06/28/18 14:01	EPA 3005A	1,6020A	AM
Barium, Total	0.05300		mg/l	0.00050	0.00017	1	06/27/18 12:00	06/28/18 14:01	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/27/18 12:00	06/28/18 14:01	EPA 3005A	1,6020A	AM
Chromium, Total	0.00087	J	mg/l	0.00100	0.00017	1	06/27/18 12:00	06/28/18 14:01	EPA 3005A	1,6020A	AM
Lead, Total	0.00183		mg/l	0.00100	0.00034	1	06/27/18 12:00	06/28/18 14:01	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/26/18 14:22	06/27/18 13:21	EPA 7470A	1,7470A	MG
Selenium, Total	0.00207	J	mg/l	0.00500	0.00173	1	06/27/18 12:00	06/28/18 14:01	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/27/18 12:00	06/28/18 14:01	EPA 3005A	1,6020A	AM

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

SAMPLE RESULTS

Lab ID: L1823917-09
Client ID: WASTE CHAR001
Sample Location: POUGHKEEPSIE, NY
Date Collected: 06/22/18 08:50
Date Received: 06/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.01087		mg/l	0.00050	0.00016	1	06/27/18 12:00	06/28/18 14:05	EPA 3005A	1,6020A	AM
Barium, Total	0.2399		mg/l	0.00050	0.00017	1	06/27/18 12:00	06/28/18 14:05	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00060		mg/l	0.00020	0.00005	1	06/27/18 12:00	06/28/18 14:05	EPA 3005A	1,6020A	AM
Chromium, Total	0.00828		mg/l	0.00100	0.00017	1	06/27/18 12:00	06/28/18 14:05	EPA 3005A	1,6020A	AM
Lead, Total	0.1313		mg/l	0.00100	0.00034	1	06/27/18 12:00	06/28/18 14:05	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/26/18 14:22	06/27/18 13:27	EPA 7470A	1,7470A	MG
Selenium, Total	0.00175	J	mg/l	0.00500	0.00173	1	06/27/18 12:00	06/28/18 14:05	EPA 3005A	1,6020A	AM
Silver, Total	0.00033	J	mg/l	0.00040	0.00016	1	06/27/18 12:00	06/28/18 14:05	EPA 3005A	1,6020A	AM

Project Name: DELAVAL
Project Number: 30114
Lab Number: L1823917
Report Date: 07/02/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG1129907-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/26/18 14:22	06/27/18 12:02	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG1130293-1										
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	06/27/18 12:00	06/28/18 11:57	1,6020A	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	06/27/18 12:00	06/28/18 11:57	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/27/18 12:00	06/28/18 11:57	1,6020A	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	06/27/18 12:00	06/28/18 11:57	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	06/27/18 12:00	06/28/18 11:57	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/27/18 12:00	06/28/18 11:57	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/27/18 12:00	06/28/18 11:57	1,6020A	AM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: DELAVAL

Project Number: 30114

Lab Number: L1823917

Report Date: 07/02/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1129907-2								
Mercury, Total	98		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1130293-2								
Arsenic, Total	105		-		80-120	-		
Barium, Total	106		-		80-120	-		
Cadmium, Total	116		-		80-120	-		
Chromium, Total	104		-		80-120	-		
Lead, Total	110		-		80-120	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	106		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1129907-3 QC Sample: L1823928-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00520	104		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1130293-3 QC Sample: L1823886-01 Client ID: MS Sample												
Arsenic, Total	0.0031	0.12	0.1261	102		-	-		75-125	-		20
Barium, Total	0.0991	2	2.113	101		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.05670	111		-	-		75-125	-		20
Chromium, Total	0.0038	0.2	0.2025	99		-	-		75-125	-		20
Lead, Total	0.00415	0.51	0.5459	106		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.119	99		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05041	101		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1129907-4 QC Sample: L1823928-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1130293-4 QC Sample: L1823886-01 Client ID: DUP Sample						
Cadmium, Total	ND	ND	mg/l	NC		20
Lead, Total	0.00415	0.00430	mg/l	4		20

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823917-01A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L1823917-01B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L1823917-01C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L1823917-01D	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1823917-01E	Amber 1000ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-01F	Amber 1000ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-01G	Amber 1000ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-01H	Amber 1000ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-02A	Vial HCl preserved	C	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L1823917-02B	Vial HCl preserved	C	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L1823917-02C	Vial HCl preserved	C	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L1823917-02D	Plastic 250ml HNO3 preserved	C	<2	<2	4.8	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823917-02E	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-02F	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-02G	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-02H	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-03A	Vial HCl preserved	D	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L1823917-03B	Vial HCl preserved	D	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L1823917-03C	Vial HCl preserved	D	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L1823917-03D	Plastic 250ml HNO3 preserved	D	<2	<2	5.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1823917-03E	Amber 1000ml unpreserved	D	7	7	5.7	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-03F	Amber 1000ml unpreserved	D	7	7	5.7	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-03G	Amber 1000ml unpreserved	D	7	7	5.7	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-03H	Amber 1000ml unpreserved	D	7	7	5.7	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-04A	Vial HCl preserved	C	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L1823917-04B	Vial HCl preserved	C	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L1823917-04C	Vial HCl preserved	C	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L1823917-04D	Plastic 250ml HNO3 preserved	C	<2	<2	4.8	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1823917-04E	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-04F	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-04G	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-04H	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823917-05A	Vial HCl preserved	C	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L1823917-05B	Vial HCl preserved	C	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L1823917-05C	Vial HCl preserved	C	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L1823917-05D	Plastic 250ml HNO3 preserved	C	<2	<2	4.8	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1823917-05E	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-05F	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-05G	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-05H	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-06A	Vial HCl preserved	D	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L1823917-06B	Vial HCl preserved	D	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L1823917-06C	Vial HCl preserved	D	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L1823917-06D	Plastic 250ml HNO3 preserved	D	<2	<2	5.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1823917-06E	Amber 1000ml unpreserved	D	7	7	5.7	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-06F	Amber 1000ml unpreserved	D	7	7	5.7	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-06G	Amber 1000ml unpreserved	D	7	7	5.7	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-06H	Amber 1000ml unpreserved	D	7	7	5.7	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-07A	Vial HCl preserved	D	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L1823917-07B	Vial HCl preserved	D	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L1823917-07C	Vial HCl preserved	D	NA		5.7	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

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Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823917-07D	Plastic 250ml HNO3 preserved	D	<2	<2	5.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1823917-07E	Amber 1000ml unpreserved	D	7	7	5.7	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-07F	Amber 1000ml unpreserved	D	7	7	5.7	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-07G	Amber 1000ml unpreserved	D	7	7	5.7	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-07H	Amber 1000ml unpreserved	D	7	7	5.7	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-08A	Vial HCl preserved	C	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L1823917-08B	Vial HCl preserved	C	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L1823917-08C	Vial HCl preserved	C	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L1823917-08D	Plastic 250ml HNO3 preserved	C	<2	<2	4.8	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1823917-08E	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-08F	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-08G	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-08H	Amber 1000ml unpreserved	C	7	7	4.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-09A	Vial HCl preserved	B	NA		5.4	Y	Absent		NYTCL-8260-R2(14)
L1823917-09B	Vial HCl preserved	B	NA		5.4	Y	Absent		NYTCL-8260-R2(14)
L1823917-09C	Vial HCl preserved	B	NA		5.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: DELAVAL
Project Number: 30114

Lab Number: L1823917
Report Date: 07/02/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823917-09D	Plastic 250ml HNO3 preserved	B	<2	<2	5.4	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1823917-09E	Amber 1000ml unpreserved	B	7	7	5.4	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-09F	Amber 1000ml unpreserved	B	7	7	5.4	Y	Absent		NYTCL-8082-1200ML(7)
L1823917-09G	Amber 1000ml unpreserved	B	7	7	5.4	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-09H	Amber 1000ml unpreserved	B	7	7	5.4	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1823917-10A	Vial HCl preserved	A	NA		2.6	Y	Absent		HOLD-8260(14)
L1823917-10B	Vial HCl preserved	A	NA		2.6	Y	Absent		HOLD-8260(14)

*Values in parentheses indicate holding time in days

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GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

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Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

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Date Rec'd in Lab: 6/23/18

ALPHA Job #: L8123917

Westborough, MA 01581, 8 Walkup Dr., TEL: 508-898-9220, FAX: 508-898-9193
Mansfield, MA 02048, 320 Forbes Blvd, TEL: 508-822-9300, FAX: 508-822-3288

Project Information
Project Name: Delaval
Project Location: Poughkeepsie, NY
Project #: 30114
(Use Project name as Project #) ☐
Project Manager: C. Fox
ALPHAQuote #:

Client Information
Client: CHA
Address: 300 S. State St., Ste 600, Syracuse, NY 13202
Phone: 315 257 7154
Fax:
Email: smiller@chacompanies.com

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☑ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility: ☐ NJ ☐ NY ☐ Other:

These samples have been previously analyzed by Alpha ☐
Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration: ☐ Done ☐ Lab to do
Preservation: ☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	PCBs	Tot Hg + Metals					Sample Specific Comments	Total Bottles
23917-01	MW-1	6/21/2018	1225	Water	SM/KE	X	X	X	X						8
02	MW-2	6/21/2018	1655	↓	↓	X	X	X	X						8
03	MW-4	6/21/2018	1315			X	X	X	X						8
04	MW-5	6/21/2018	1735			X	X	X	X						8
05	MW-6	6/22/2018	840			X	X	X	X						8
06	MW-8	6/21/2018	1555			X	X	X	X						8
07	MW-9	6/21/2018	1510			X	X	X	X						8
08	CHA001	6/21/2018	1545			X	X	X	X						8
09	Waste Char 001	6/22/2018	850			X	X	X	X						8

	VOCs	SVOCs	PCBs	Tot Hg + Metals				
Container Type	V	A	A	P				
Preservative	B	A	A	C				

Preservative Code: A = None, B = HCl, C = HNO_3, D = H_2SO_4, E = NaOH, F = MeOH, G = $NaHSO_4$, H = $Na_2S_2O_3$, K/E = Zn Ac/NaOH, O = Other

Container Code: P = Plastic, A = Amber Glass, V = Vial, G = Glass, B = Bacteria Cup, C = Cube, O = Other, E = Encore, D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Samantha Miller	6/22/2018 1445	Mike Rozewski (AAL)	6/22/18 1845
Mike Rozewski	6/22/18 1830	[illegible] AAL	6/23/18 1120

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)