

## SPILL CLOSURE REPORT

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PAC Project Number: 17242956

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## **1. INTRODUCTION**

Partner Assessment Corporation (Partner), on behalf of Twenty Lake Holdings, has prepared this Spill Closure Report for the New York State Department of Environmental Conservation (NYSDEC) in regards to groundwater contamination detected at the property located at 79 Hurley Avenue, Kingston, Ulster County, New York (herein referred to as the Site). The Site location is depicted on **Figures 1 and 2**.

### **1.1. Site Description**

Based on the information reviewed and the Site reconnaissance, the Site consists of one parcel of land (Block 2 Lot 11) totaling approximately 2.9 acres located on the north side of Hurley Avenue, between Tayler Street and Quarry Street, within a mixed commercial and residential area of Ulster County, New York. The Site is currently occupied by the Daily Freeman for commercial/office use. On-site operations consist of general newspaper production administrative/office activities as well as warehousing and distribution. There is a single-story structure that is situated within the central portion of the site, containing office spaces, warehouse spaces, a mezzanine level, as well as a basement level beneath the original portion of the facility. The basement level does not extend beneath the warehouse portion of the subject property building, which is currently leased to PCF, a newspaper distribution company. No newspaper printing operations are currently conducted on-site. Former printing operations reportedly ceased at the subject property in 2010. In addition to the current structure, the subject property is improved with asphalt-paved parking areas, naturally vegetated land, and a freshwater pond that is located within the rear portion of the site.

Refer to **Figure 1** for a map of the Site location and the surrounding properties.

### **1.2. Project History**

Partner completed a Phase I Environmental Site Assessment (Phase I) Report, dated April 21, 2016, prepared on behalf of Twenty Lake Holdings. Based on the information reviewed, previous reports cited, and the site reconnaissance, the subject property consists of one parcel located on the north side of Hurley Avenue, east of the New York State Thruway and west of Washington Avenue, within a mixed commercial and residential area of Ulster County. One building sits on the 2.9 acres of land and consists of one floor with mezzanine and basement levels. The property is also improved with an asphalt parking lot. A wooded area with a pond is north of the building. The building is occupied by the Daily Freeman newspaper, though printing operations ended in 2010. The Phase I report found the following recognized environmental conditions (RECs):

- The subject property has been occupied by The Daily Freeman from as early as 1974. Newspaper printing operations were conducted on-site from the start of tenancy until approximately 2010. Printing presses were located in what is now a mostly vacant warehouse area within the eastern portion of the subject property building. Newspaper printing operations also included a photo development dark room and a pre-press area, which was utilized to convert images to a plate or film prior to the newspaper printing process. Floor drains were observed in the pre-press area, and what appeared to be a long trench drain was observed within the former printing area. According to the key site manager, the discharge points for these features are expected to be the municipal sanitary sewer system. Staining was observed on the floor in the immediate vicinity of the floor

drains in the pre-press area, and significant ink staining was observed on the walls surrounding a wash sink in the former printing area. These drains may act as pathways to the subsurface and have the potential to impact the subsurface, should they become compromised. According to the regulatory database report, the subject property has been identified as a Resource Conservation and Recovery Act-Non Generator (RCRA-NonGen/NLR) since at least 2006, prior to which it had operated as a Resource Conservation and Recovery Act-Small Quantity Generator (RCRA-SQG) since 1988. Hazardous wastes previously generated on-site have included “solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead”. Although two compliance evaluation inspections were conducted on-site in 1999 and 2013, during which no violations were identified, Partner was unable to verify proper handling and/or disposal practices during the remaining years, in which printing operations were performed. Based on the duration of former hazardous materials activities, including the generation of solvent wastes, as well as the nature of the aforementioned hazardous substances used, stored, and/or generated on-site, the former printing operations are considered a recognized environmental condition.

- According to information obtained from the regulatory database report and from a partial records request response from the New York State Department of Environmental Conservation (NYSDEC), the subject property was historically equipped with four underground storage tanks (USTs), which were registered under Facility ID Number 3-411086. They included a 2,000-gallon steel UST that was installed in 1974, a 1,000-gallon steel UST that was installed in 1979, a 10,000-gallon steel UST that was installed in 1979, and a 6,000-gallon fiberglass UST that was installed in 1994. All four tanks were previously utilized for the storage of gasoline, to support newspaper delivery fleet refueling activities, and are currently listed as “closed-removed”. Closure dates are provided for the 10,000-gallon UST (May 1994) and 6,000-gallon UST (January 2012). However, Partner was only provided with documentation verifying the location and closure of the former 6,000-gallon UST, as discussed further below. No information pertaining to the exact location, removal dates, or any post-closure subsurface sampling of the remaining three tanks was available for review during the course of this assessment.

It should also be noted that two gasoline releases were reported in connection with the aforementioned USTs. The first release (Spill Number 9002411) was reported on June 1, 1990, during a tank pull. An available Spill Report Form does not indicate from which tank the release occurred. However, based on the incident date, the release likely pertains to the former 1,000-gallon tank or 2,000-gallon tank (or both). The Spill Report Form notes that approximately 15 to 18 cubic yards of contaminated soil were stockpiled and disposed of off-site. The release case was issued regulatory closure on June 15, 1990, and was noted to have met applicable cleanup standards. However, the analytical results of post-excavation soil sampling were not provided for review. The second release (Spill Number 9402470) was reported on May 19, 1994, during a tank tightness test, which was performed in preparation for the closure of a UST. Given the incident date, the release likely pertains to the former 10,000-gallon UST. The spill report indicates that the tank was emptied, and

the release case was issued regulatory closure on June 9, 1994. However, cleanup was noted to have not met applicable standards. Further, the analytical results of post-excavation soil sampling were not provided for review. As such, the potential exists for residual contamination to remain in place at the subject property. Partner has requested copies of full UST and spill closure reports (with analytical data) from the NYSDEC, and copies have not been provided for review as of the issuance of this report. Based on the lack of information available, Partner was unable to determine the locations of the former 2,000-gallon UST, 1,000-gallon UST, and 10,000-gallon UST, whether or not said USTs were closed and removed in accordance with applicable standards, and whether or not the subsurface has been impacted beyond what was visually observed and reported for the two release cases. Therefore, the three, former USTs and associated release cases are considered a recognized environmental condition.

The report also found the following historical recognized environmental condition (HREC), which refers to a past release on the property that has been addressed to the satisfaction of the regulatory authority:

- The subject property was formerly equipped with a 6,000-gallon gasoline UST that was utilized for fleet refueling operations. According to the NYSDEC, this UST was registered under Facility ID Number 3-411086 as Tank 4. This UST, which was of double-walled, fiberglass-reinforced plastic construction, was installed in 1994 and was subsequently closed and removed on January 25, 2012. According to on-site personnel, this tank was situated at the northeast corner of the subject property, immediately adjacent to vegetated land and the eastern property boundary. This area was noted as having an uneven asphalt patch, indicative of tank removal, during Partner's field reconnaissance. In addition, Partner was provided with a copy of tank removal documentation, which indicated that tank removal was conducted under a permit by a NYSDEC-approved contractor. Post-excavation soil samples were collected and analyzed, and no reportable levels of contamination were identified. As such, proper documentation was submitted to the NYSDEC, and the tank status was changed from "Active" to "Closed-Removed", with no requirements for additional investigation. It should be noted that the City of Kingston also issued a permit for the removal of the 6,000-gallon UST. However, the permit remains open, as a closure report was never submitted to the City. Nonetheless, based on the removal of the former UST, analytical results of post-excavation sampling, and issuance of regulatory closure by the NYSDEC, the former 6,000 gallon gasoline UST is considered a historical recognized environmental condition.

Partner also completed a Phase II Environmental Site Assessment (Phase II) Report, dated October 14, 2016. The Phase II consisted of a limited sub-surface investigation consisting of eight (8) soil borings installed, with the collection of eight (8) soil samples and four (4) groundwater samples. Volatile organic compounds (VOCs) were found in one soil sample from B4, that was in the presumed area of the former 6,000-gallon tank which had exceedances of 1,2,4 trimethylbenzene, benzene, ethylbenzene, and total xylenes above the New York State (NYS) Unrestricted Soil Cleanup Objective (SCO) and the Protection of Groundwater standard, but below the Residential and Commercial SCO. In addition, samples from B7 and B8 exceeded the NYS Unrestricted SCO for total chromium, but were below the Protection of Groundwater, Residential and Commercial

SCOs. The sampling locations were located in the eastern-most warehouse and former press location areas.

Groundwater was encountered during the investigation between 12-ft and 19-ft onsite. Of the four (4) groundwater samples collected, the groundwater sample from boring B4 had multiple VOC exceedances of the NYS Ambient Water Quality Standard (NYAWQS). The groundwater sample from boring B6, which was west of B4, had exceedances of the NYAWQS for benzene, n-propylbenzene, and p/m-xylene. The groundwater sample from boring B7, within the warehouse area of the building, had an exceedance of the NYAWQS for cis-1,2-dichloroethylene.

The report, which is attached as **Appendix B**, recommended further investigation.

### **1.3. Geology and Hydrogeology**

Review of the United States Geological Survey (USGS) Kingston West, New York Quadrangle topographic map indicates the Site is situated at an elevation approximately 174 feet above mean sea level, and the local topography is sloping gently to the north-northeast. Please see **Figure 2** for a topographic map of the Site vicinity.

The Site is situated within the Hudson Valley section of the Valley and Ridge physiographic province of the State of New York. According to the USGS, the uppermost geologic formation underlying the soils at the subject property is the Lower to Middle Devonian Onondaga Limestone formation. The Onondaga Limestone formation comprises the underlying stratigraphy and consists mostly of broad, carbonate platform facies that were deposited during early to middle Eifelian time. Carbonates are characterized by calcarenitic to cherty to argillaceous limestones and minor shales deposited in a shallow epicontinental sea. The Onondaga Limestone formation consists of gray or grayish-blue, compact, crystalline limestone, as well as overlies the Oriskany sandstone and underlies the Seneca limestone. Thickness ranges from 100 to 500 feet.

Information obtained from the United States Department of Agriculture (USDA) – Natural Resources Conservation Service (NRCS) Web Soil Survey online database shows the subject property is mapped as Riverhead fine sandy loam. The Riverhead series consists of very deep, well-drained soils that formed in glacial outwash deposits, which are primarily derived from granitic materials. This type of soil occurs on outwash plains, valley trains, beaches, and water-sorted moraine landforms. Slopes range from 0 to 15 percent.

The nearest body of surface water in the vicinity of the subject property is a designated freshwater pond, which is located within the northern portion of the subject property. No additional settling ponds, lagoons, surface impoundments, or natural catch basins were observed on the subject property during this assessment.

Borings advanced during this investigation determined the underlying subsurface consists predominantly of tan, tan/gray or gray clayey silt, tan, gray or tan/red clay, or tan medium sand with varying amounts of medium pebbles from the ground surface to approximately 20 feet below ground surface (bgs). Backfill material consisting of gray medium pebbles was encountered within the area of the excavation to a depth of approximately nine to 13.5 feet bgs.

Refer to **Appendix A** for boring logs from this investigation.

Groundwater was encountered during this investigation between 7 and 15 feet bgs.

## **2. QUALITY ASSURANCE/QUALITY CONTROL**

Soil and groundwater samples were transported under proper chain-of-custody protocol to SGS Accutest Laboratories, a state-certified laboratory [National Environmental Laboratory Accreditation Program (NELAP) certificate number 10983], located in Dayton, New Jersey for analysis. Soil gas samples were transported under proper chain-of-custody protocol to Alpha Analytical Laboratories, a state-certified laboratory [National Environmental Laboratory Accreditation Program (NELAP) certificate number 11627], located in Mahwah, New Jersey for analysis. The laboratory analyzed surrogate samples and method blanks as part of its QA/QC program to ensure the results were within the acceptable parameters and the equipment was operating within the required criterion. QA/QC data were within acceptable limits and/or did not affect the data interpretation.

A trip blank was transported with the samples and analyzed to confirm that volatile organic compounds (VOCs) did not migrate between samples during transport.

## **3. SITE INVESTIGATION ACTIVITIES**

### **3.1. Phase II**

Partner conducted a Phase II Subsurface Investigation at the subject property to identify the location of on-site USTs and/or former tankhold systems, evaluate the floor drain system, and to investigate the potential impact of VOCs, SVOCs, and/or metals to soil and groundwater as a consequence of a release or releases from the former printing operations and gasoline USTs. The scope of the Phase II Subsurface Investigation included a geophysical survey and the advancement of eight borings (B1 through B8) for the collection of representative soil and/or groundwater samples. Eight soil samples were analyzed for VOCs, two soil samples were analyzed for SVOCs and priority pollutant metals, four groundwater samples were analyzed for VOCs, and three groundwater samples were analyzed for SVOCs.

A geophysical survey, conducted by Delta, identified an anomalous area, identified as a potential soil disturbance, to the northeast of the building. The area was identified by ground penetrating radar (GPR) transects which imaged a disturbance that represents a potential indicator of an excavation, and measured approximately 40 feet by 20 feet. Delta further traced two electric lines and three unknown utility lines to the area of the soil disturbance. Onsite personnel confirmed the former USTs were located where the soil disturbance was observed, and further mentioned the location of the former dispenser island. Partner did not observe any evidence of a former dispenser island, but an electric line was traced from the building to this location, ultimately terminating above the area of soil disturbance. GPR transects over this feature were limited due to dense vegetation. No additional signs of abandoned USTs or disturbed soil resembling backfilled tankholds were identified.

Investigation of the trench observed in the warehouse area determined the trench was not a drainage feature, but rather a conduit for ink and drain lines. The trench was cut out of the concrete slab after it was poured, and was lined with concrete on all sides. Upon further inspection, a drain line from a wash sink along with two copper ink lines ran through the trench. Delta further traced the ink and drain lines with the RD7000 and through visual inspection. The ink lines were traced

towards the location of the former aboveground ink storage tank. The floor trench was traced through the wall to a large metal plate. According to onsite personnel, the metal plate covered a junction box. Another trench, originating at the location for the former aboveground ink storage tank, was also traced to the metal plate, and a drain line was also observed within the second trench. Partner and Delta were not permitted to open the metal plate to avoid disturbing the tenant leasing this portion of the warehouse. Visual inspection through gaps in the metal plate indicated that the apparent sump appeared to contain ink sludges and waste from former printing operations. Furthermore, the interior of the wash sink was heavily stained, likely from the disposal of printing wastes. The sump was located in a portion of the building that was not underlain with a basement.

Borings advanced during this investigation determined the underlying subsurface consists predominantly of tan, tan/gray or gray clayey silt, tan, gray or tan/red clay, or tan medium sand with varying amounts of medium pebbles from the ground surface to approximately 20 feet bgs. Backfill material consisting of gray medium pebbles was encountered within the area of the excavation to a depth of approximately nine to 13.5 feet bgs.

Groundwater was encountered during this investigation between 12 and 19 feet bgs.

### **REC 1 – Former Printing Operations**

VOCs, SVOCs, and priority pollutant metals were detected at concentrations above the laboratory RLs but below the Unrestricted Use Criteria in the soil samples collected from borings B7 and B8, located within the warehouse area.

Cis-1,2-dichloroethene was detected at a concentration above the AWQS in the groundwater sample collected from boring B7.

Total chromium was detected at concentrations above the Unrestricted Use Criteria for hexavalent chromium in the soil samples collected from borings B7 (12 mg/kg) and B8 (12 mg/kg), but below the Groundwater Criteria and the Residential Criteria. Because chromium was detected beneath the building there is no pathway to ecological resources and contingent analysis for hexavalent chromium is not required.

### **REC 2 – Former Gasoline USTs**

1,2,4-trimethylbenzene, benzene, ethylbenzene, and total xylenes were detected at concentrations above both the Unrestricted Use Criteria and the Groundwater Criteria, but below the Residential and Commercial criteria in the soil sample collected from boring B4.

1,2,4,5-tetramethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, isopropylbenzene, n-butylbenzene, n-propylbenzene, naphthalene, o-xylene, p/m-xylene, and toluene were detected at concentrations above the AWQS in the groundwater sample collected from boring B4; benzene, n-propylbenzene, and p/m-xylene were detected at concentrations above the AWQS in the groundwater sample collected from boring B6; and cis-1,2-dichloroethene was detected at a concentration above the AWQS in the groundwater sample collected from boring B7.

Naphthalene was detected at a concentration above the AWQS in the groundwater sample collected from boring B4.

The Phase II report recommended further investigation and delineation of the observed impacts to soil and groundwater.



### 3.2. Phase III Investigation/Delineation

On May 12 and 15, 2016, Partner subcontracted with Cascade to provide and operate drilling equipment. Cascade, under the direction of Partner, advanced borings B-9 through B-15 with a track-mounted GeoProbe direct push rig. Sampling equipment was decontaminated between sample intervals and boring locations to prevent cross-contamination.

Borings B-11 and B-12 were advanced northwest and northeast of former boring B4 respectively. Boring B-13 was advanced west of former boring B6. Boring B-10 was advanced north of the warehouse and former borings B-7 and B-8. Boring B-9 was advanced east of the warehouse. Boring B-14 and B-15 were advanced in the interior of the eastern portion of the warehouse. Refer to **Figure 3** for a map depicting boring locations.

Borings B-9 through B-13 were overlain by asphalt, which was penetrated directly by the core barrel. Borings B-14 and B-15 were overlain by concrete, which was cored with an electric hammer drill equipped with a three-inch diameter carbide tipped concrete core bit prior to the direct push rig advancing the core barrel. Borings B-9 through B-11 were terminated at 15-ft bgs. Borings B-12 and B-14 were terminated at refusal on limestone bedrock at 18-ft and 18.5-ft bgs, respectively. Borings B-13 and B-15 were terminated at 20-ft bgs.

Soil samples were collected using a five-foot long by 2.25-inch diameter MacroCore sampler with a five-foot long acetate liner, which was advanced by the direct-push drill rig using five-foot long by 2.25-inch diameter casing sections. The sampler was driven into the subsurface to allow undisturbed soil to enter the open MacroCore barrel and retrieved in five-foot intervals to recover the soil-filled liners.

A lengthwise section of each acetate liner was removed with a splitting tool to expose the soil. The soil column was visually inspected for discoloration, monitored for odors, and classified in accordance with the Unified Soil Classification System (USCS). Select intervals were placed in sealable plastic bags and field-screened with a photo-ionization detector (PID) calibrated to isobutylene. Elevated PID readings up to 16 parts per million (ppm) and petroleum-like odors were detected in the soils recovered from boring location B-12. Please refer to the boring logs in **Appendix A** for specific borings and depths where odor and/or elevated PID readings were observed.

Soil samples were collected from the groundwater interface from borings B-9 at 9.5-ft to 10-ft bgs; B-10 at 6.5-ft to 7-ft bgs; B-11 at 12-ft to 1.5-ft bgs; and B-13 through B-15 at 14.5-ft to 15-ft. A soil sample was collected from boring B-12 at 6.-ft to 6.5-ft bgs at the location of highest PID readings. Groundwater was not encountered in boring B-12 at the initial intended depth of 15-ft bgs, and was advanced an additional 3-ft to 18-ft bgs wherein refusal at limestone bedrock was reached. Groundwater was not encountered to terminal depth. A second sample was collected from the bottom of boring B-12 as B-12A from 17.5-ft to 18-ft bgs.

One soil sample was collected directly from the liner of each boring with Encore samplers for analysis via EPA Method 8260 for volatile organic compounds (VOCs). Soil was also collected directly from the liner of each boring and transferred into into a laboratory-supplied, four-ounce, wide-mouth, unpreserved glass jar, which was sealed with a threaded, Teflon-lined lid for submittal for EPA Method 8270 analysis for semi-volatile organic compounds (SVOCs). Jars were

filled to capacity to minimize headspace. A total of eight (8) soil samples were collected and submitted for analysis.

After soil sampling to the terminal depth, all borings, with the exception of boring B-12 were converted to temporary groundwater monitoring points by withdrawing the drill rods from the subsurface and installing one-inch diameter temporary groundwater sampling points within the open boreholes. No groundwater was encountered in boring B-12 to terminal depth. Each temporary groundwater sampling point consisted of a ten-foot long, 0.010-inch factory-slotted polyvinyl chloride (PVC) screen at the terminal end and blank PVC risers from the top of the screen interval to the ground surface.

Groundwater samples were retrieved from each temporary groundwater sampling point using new Teflon™ tubing via peristaltic pumps and conveyed into three hydrochloric acid-preserved VOA vials for submittal of samples for EPA Method 8260 analysis. Groundwater samples were also conveyed into two unpreserved one-liter amber glass jars for submittal of samples for EPA Method 8270 analysis.

In addition, MW-11 was found onsite east of former boring B-4 at the boundary with the Super 8 Motel property. The monitoring well was completed as a stick-up well and had a locking gripper plug. Partner collected samples from the well using low-flow groundwater sampling techniques and submitted them for analysis per EPA Method 8260 and 8270.

A total of seven (7) groundwater samples were collected and submitted for analysis.

Core barrels and temporary groundwater sampling points were removed from the subsurface and the boreholes were backfilled with hydrated bentonite chips following sampling activities. Boreholes advanced in improved areas were capped with concrete or asphalt patch to match existing ground cover after being backfilled. No significant amounts of derived wastes were generated during this investigation.

### *Soils*

VOCs were detected at concentrations above the laboratory RLs but below the Unrestricted Use Criteria in the soil samples collected from boring B-9, B-10, B-11, B-12, B-13, B-14 and B-15. Acetone was detected at concentrations above the Unrestricted Use Criteria in soil sample B-12A, however, that is generally regarded as a laboratory contaminant. No other exceedances of NY SCOs were observed in any of the samples analyzed.

SVOCs were detected at concentrations above the laboratory RLs but below the Unrestricted Use Criteria in the soil samples collected from boring B-9, B-10, B-11, B-12, B-12A, B-13, B-14 and B-15. The unpreserved jars for SVOC analysis for borings B-11 and B-12A were broken during transport to the laboratory and could not be analyzed. However, no indication of SVOC impacts above NYSDEC regulations were observed in any of the samples collected and analyzed.

### *Groundwater*

Methyl tert Butyl Ether [1270 micrograms per liter (µg/l)] was detected at a concentration above the AWQS in the groundwater sample collected from boring B-11GW. No other exceedances were observed in groundwater in any of the samples collected and analyzed.

Full laboratory results can be found in **Appendix C**.

#### **4. VAPOR INTRUSION INVESTIGATION**

Some of the compounds detected in the groundwater in boring B4 exceeded the Environmental Protection Agency (EPA) commercial Vapor Intrusion Screening Levels (VISL). In order to determine if a vapor issue existed onsite, Partner conducted a vapor intrusion investigation in the warehouse building on 5/12/17. Three (3) sub-slab soil gas points were installed directly below the concrete slab and samples were collected over an 8-hour period per the recommendations of the NYS Department of Health (DOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, published October 2006.

Samples were collected using a ¼-inch Teflon-lined tubing, which was manually inserted into a ½-inch diameter hole drilled into the concrete building slab using a rotary hammer drill. The hole was drilled to a depth of six inches bgs. Sand was poured into the annulus to form a sand pack around the tubing. The annulus was backfilled with approximately two inches of hydrated bentonite to the ground surface to form a seal.

Prior to sample collection, Partner performed leak tests with a helium shroud over each sampling point to confirm sampling points were sealed from ambient air. No helium was detected during any of the leak tests confirming the integrity of the bentonite seals.

Sub-slab soil gas samples were collected using 2.7-liter, stainless-steel, cylindrical SUMMA canisters. The sampling containers were provided by Alpha Analytical Laboratories in Westborough, Massachusetts, a state-certified laboratory [New York Laboratory Accreditation Program (NELAP) certificate number 11627], which subjected each canister to a rigorous cleaning process using a combination of dilution, heat, and high vacuum. After cleaning, the canisters were batch certified to be free of target contaminants to a specified reporting limit via gas chromatography/mass spectroscopy prior to delivery.

Partner received the SUMMA canisters evacuated to approximately -30 inches of mercury. The SUMMA canisters were fitted with stainless-steel flow controllers, which Alpha calibrated to maintain constant flow for approximately 8 hours of sampling time.

Each sub-slab point was allowed to equilibrate for a minimum of 10 minutes after installation prior to sampling.

Final vacuum was between -9.4 and -14.92 inches of mercury. No exceedances of the EPA VISL were observed in any of the three samples collected.

Full laboratory results can be found in **Appendix C**.

#### **5. IN-SITU REMEDIATION**

To remediate the concentration of MTBE found in the groundwater, Partner installed two (2) groundwater monitoring wells on July 10<sup>th</sup> and July 11<sup>th</sup> of 2017. Monitoring well MW-2 was installed in the area of former boring B4 and monitoring well MW-3 was installed in the area of former boring B11 as noted on the attached **Figure 3**. Well construction logs are included in **Appendix D**. Once the wells were thoroughly developed, two (2) 4-inch diameter ORC-Advanced-filled socks, each 1-ft long, were tied together and installed in each of the wells

approximately 1-ft below the top of the water table. The socks were allowed to remain in the wells for four (4) weeks. On August 8<sup>th</sup> 2017, the socks were removed and stored and sealed in their original container onsite.

Partner returned to sample the wells on August 16<sup>th</sup> 2017, one week after the removal of the ORC-Advanced socks. The groundwater samples were analyzed for TCL VOCs and SVOCs. Only two compounds exhibited exceedances above the AWQS. MTBE was found in MW-2 and MW-3 at 57.4 ug/l and 45.6 ug/l respectively. In addition, xylene was detected at a concentration of 8.9 ug/l in MW-2. The concentration of MTBE has significantly decreased from the previous B11GW sample, which had a concentration of 1,270 ug/l prior to the ORC-sock treatment, to the current MW-3 results.

Most of the impacts observed during the Phase II investigation in the B4-GW sample were not observed after the treatment with the ORC-Advances socks in MW-2. While the B4-GW sample had 12 exceedances of the AWQS, including triple digit concentrations for 1,2,4-trimethylbenzene, ethylbenzene, and p/m xylene, currently there is only a slight exceedance for xylene and MTBE in MW-2. This indicates that the ORC-Advanced socks were successful in remediating the original groundwater contamination. **Table 2A** provides the summary results of the post-ORC-treatment groundwater sampling.

## 6. SPILL/RELEASE REPORTING

Per the requirements of the NYSDEC, Partner reported the impacts to the NYSDEC Spill Hotline on 5/18/17 and received the case number of 1701624 for the release. As previously indicated, there have been two (2) previous spills/releases at the Site which were addressed and closed with the NYSDEC. They are Spill #: 9002411, and 9402470. The current release is believed to be related to the previous spills and not a new release.

## 7. FINDINGS

Partner conducted a subsurface investigation in order to delineate impacts to soil and groundwater observed during a Phase II investigation at the Site. No additional soil impacts above NYSDEC SCOs were observed beyond the VOC exceedances observed in boring B4 during the Phase II investigation, which exceeded the Unrestricted SCOs but not the Residential or Commercial SCOs.

An exceedance of MTBE in groundwater was observed in boring B-11, northwest of boring B4. No other exceedances of the groundwater or soil standards were observed in any of the samples analyzed.

Groundwater remediation using ORC-Advanced socks installed within two monitoring wells in the approximate locations of former borings B4 and B11 significantly remediated the previously affected areas. Most of the previously observed constituents in former B4-GW were not observed in MW-2, which was installed in the same approximate location. The exceedances in that groundwater sample decreased from 12 observed exceedances in the B4-GW sample, with several in the triple digit concentrations, to two slight exceedances for xylene and MTBE. In addition the MTBE concentration of 1,270 ug/l observed in previous B11GW sample has decreased by over 20

times in the MW-3 sample which was installed in the same approximate location as former boring B11.

Results indicate that impacts to soil and/or groundwater are isolated to the areas sampled during the Phase II investigation and are stable onsite and not migrating offsite. In addition, the concentrations have been significantly decreased to minimal exceedances of the AWQS.

A vapor intrusion investigation conducted within the warehouse buildings did not indicate that soil vapor contamination exists onsite.

## **8. CONCLUSIONS AND RECOMMENDATIONS**

Remaining subsurface impacts seem to be residual contamination from previous spills which were properly reported and closed out with the NYSDEC.

Soil impacts do not exceed the Residential or Commercial SCOs, and no soil source appears to exist onsite. The groundwater impacts appear to be isolated to specific onsite areas and are stable onsite and not migrating offsite. Currently, only two (2) compounds remain in excess of the NYSDEC AWQS and they are in a very limited area onsite.

The site is commercial/industrial in nature and is capped with an asphalt parking lot in addition to the building slab, thus direct contact to soil and/or groundwater is restricted. In addition, groundwater is not a potable source in this area, because potable water is provided by the Kingston Water Department.

Therefore, Partner recommends closure of spill case #: 1701624 without the Site having to meet the state standards.

## FIGURES





TWENTY LAKE HOLDING  
Block 2, Lot 11

CITY OF KINGSTON,  
ULSTER COUNTY, NEW YORK

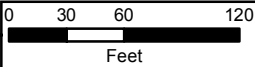
FIGURE 1  
SITE LOCATION MAP

Legend

Site

*This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been verified by NJDEP and is not state-authorized.*

Coordinate System: NAD 1983 StatePlane New Jersey FIPS 2900 Feet  
Projection: Transverse Mercator  
False Easting: 492,125.0000  
False Northing: 0.0000  
Central Meridian: -74.5000  
Scale Factor: 0.9999  
Latitude Of Origin: 38.8333  
Units: Foot US



**PARTNER**  
Engineering and Science, Inc.

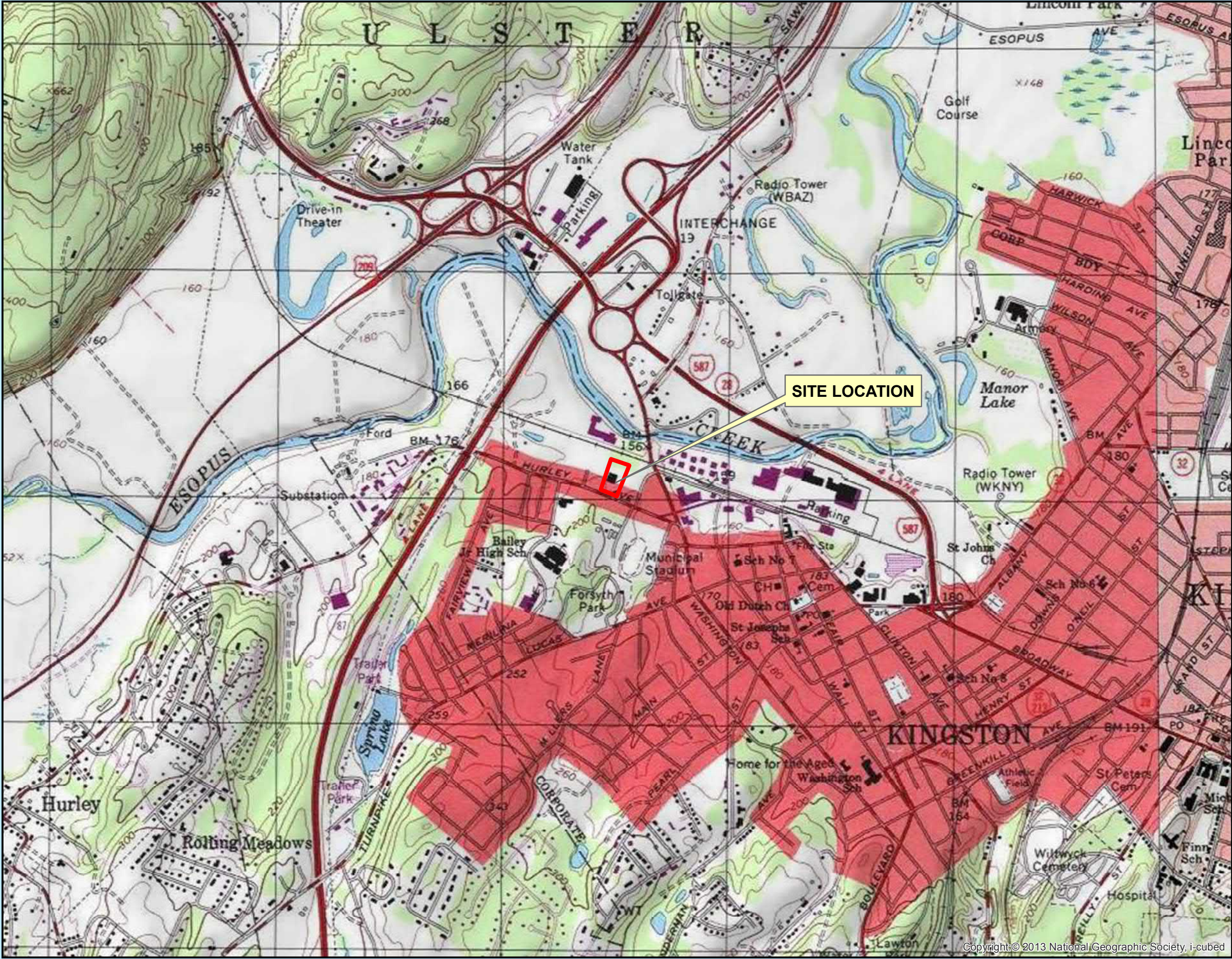
611 Industrial Way West  
Eatontown, NJ 07724  
Certificate of Authorization No. 24GA27989800

Tel.: 732.380.1700  
Fax.: 732.380.1701  
www.partneresi.com

Sources: NJDEP and NJGIN GIS Data	DRAWN BY ALH	SCALE 1in=200ft
Job No: 17242956 File Name: 17242956 Fig 1 Site Location Map		DATE 05/22/2017

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





TWENTY LAKE HOLDING  
Block 2, Lot 11

CITY OF KINGSTON,  
ULSTER COUNTY, NEW YORK

FIGURE 2  
TOPOGRAPHIC MAP

Legend

Site

*This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been verified by NJDEP and is not state-authorized.*

Coordinate System: NAD 1983 StatePlane New Jersey FIPS 2900 Feet  
Projection: Transverse Mercator  
False Easting: 492,125.0000  
False Northing: 0.0000  
Central Meridian: -74.5000  
Scale Factor: 0.9999  
Latitude Of Origin: 38.8333  
Units: Foot US

0 500 1,000 2,000  
Feet

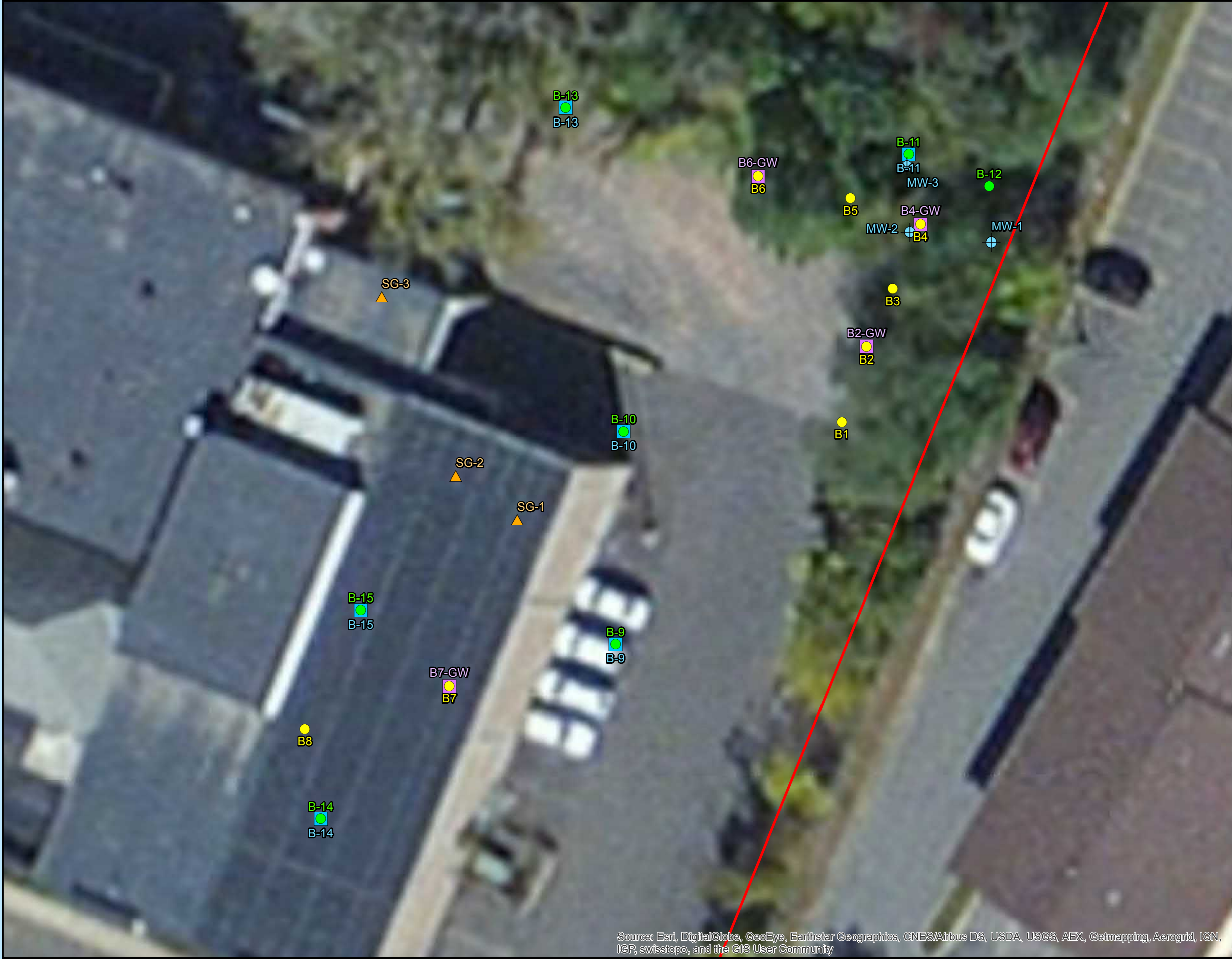
**PARTNER**  
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Fax.: 732.380.1701  
www.partneresi.com

Sources: NJDEP and NJGIN GIS Data; and ESRI GIS-Online USA Topo Maps, 2013	DRAWN BY ALH	SCALE 1in=2,000ft
Job No: 17242956 File Name: 17242956 Fig 2 Topo Map		DATE 05/22/2017





TWENTY LAKE HOLDING  
Block 2, Lot 11

CITY OF KINGSTON,  
ULSTER COUNTY, NEW YORK

FIGURE 3  
SAMPLE LOCATION MAP

Legend

Site

Monitoring Well

Soil Boring (October 2016)

Soil Boring (May 1017)

Temporary Well Point (Oct 2016)

Temporary Well Point (May 2017)

Sub Slab Soil-Gas (May 2017)

This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been verified by NJDEP and is not state-authorized.

Coordinate System: NAD 1983 StatePlane New York East FIPS 3101 Feet  
Projection: Transverse Mercator  
False Easting: 492,125.0000  
False Northing: 0.0000  
Central Meridian: -74.5000  
Scale Factor: 0.9999  
Latitude Of Origin: 38.8333  
Units: Foot US

05 10 20

Feet

PARTNER

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Tel.: 732.380.1700  
Fax.: 732.380.1701  
www.partneresi.com

Sources: NJDEP and NJGIN GIS Data

DRAWN BY  
ALH

SCALE  
1 in = 20 ft

Job No: 17242956  
File Name: 17242956 Fig 3 Sample Location Map

DATE  
05/22/2017

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

File: \\pac.local\root\Solutions\Jobs\Twenty Lake Holdings\17242956-ENG\GIS\17242956 Fig 3 Sample Location Map.mxd  
User: ahassler  
Date: 8/29/2017

## TABLES

Table 1: Soil Analytical Results  
79 Hurley Ave, Kingston, NY  
Proj#: 17242956

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375- 612/06)	NY SCO - Protection of Groundwater w/CP-51 (10/10) (6 NYCRR 375-	B-9	B-10	B-11	B-12	B-12A	B-13	B-14	B-15
Lab Sample ID:					JC43253-1	JC43253-2	JC43253-3	JC43253-4	JC43253-5	JC43253-6	JC43407-1	JC43407-2
Date Sampled:					5/12/2017	5/12/2017	5/12/2017	5/12/2017	5/12/2017	5/12/2017	5/15/2017	5/15/2017
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
<b>GC/MS Volatiles (SW846 8260C)</b>												
Acetone	mg/kg	0.05	500	0.05	0.0107	0.0069 J	ND (0.011)	0.0077 J	0.0939	ND (0.011)	ND (0.010)	0.0224
Benzene	mg/kg	0.06	44	0.06	ND (0.00048)	ND (0.00046)	ND (0.00055)	0.0011	ND (0.00056)	ND (0.00054)	ND (0.00051)	ND (0.00049)
Chlorobenzene	mg/kg	1.1	500	1.1	ND (0.0019)	ND (0.0018)	ND (0.0022)	0.00028 J	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)
Cyclohexane	mg/kg	-	-	-	ND (0.0019)	ND (0.0018)	ND (0.0022)	0.0026	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)
Ethylbenzene	mg/kg	1	390	1	ND (0.00096)	ND (0.00092)	ND (0.0011)	0.0095	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)
2-Hexanone	mg/kg	-	-	-	ND (0.0048)	ND (0.0046)	ND (0.0055)	0.0149	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)
Isopropylbenzene	mg/kg	-	-	2.3	ND (0.0019)	0.00019 J	ND (0.0022)	0.0024	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)
Methylcyclohexane	mg/kg	-	-	-	ND (0.0019)	ND (0.0018)	ND (0.0022)	0.0052	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)
Methyl Tert Butyl Ether	mg/kg	0.93	500	0.93	ND (0.00096)	0.00031 J	0.793	ND (0.0011)	0.00089 J	ND (0.0011)	ND (0.0010)	ND (0.00098)
4-Methyl-2-pentanone(MIBK)	mg/kg	-	-	1	ND (0.0048)	ND (0.0046)	ND (0.0055)	ND (0.0056)	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)
Methylene chloride	mg/kg	0.05	500	0.05	ND (0.0048)	ND (0.0046)	ND (0.0055)	0.0014 J	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)
m,p-Xylene	mg/kg	0.26	500	1.6	0.00043 J	ND (0.00092)	0.00044 J	0.0033	0.00046 J	0.00034 J	ND (0.0010)	ND (0.00098)
o-Xylene	mg/kg	0.26	500	1.6	ND (0.00096)	ND (0.00092)	ND (0.0011)	0.00054 J	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)
Xylene (total)	mg/kg	0.26	500	1.6	0.00043 J	ND (0.00092)	0.00044 J	0.0038	0.00046 J	0.00034 J	ND (0.0010)	ND (0.00098)
Total (SW846 8260C)	mg/kg	-	-	-	0.01113	0.0074	0.79344	0.04888	0.09525	0.00034	0	0.0224
<b>GC/MS Volatile TIC</b>												
Total TIC, Volatile	mg/kg	-	-	-	0	0	0	1.06 J	0.031 J	0	0	0
<b>GC/MS Semi-volatiles (SW846 8270D)</b>												
1,1'-Biphenyl	mg/kg	-	-	-	ND (0.081)	ND (0.081)	-	0.0182 J	-	ND (0.085)	ND (0.081)	ND (0.080)
2-Methylnaphthalene	mg/kg	-	-	36.4	ND (0.081)	ND (0.081)	-	0.926	-	ND (0.085)	ND (0.081)	ND (0.080)
Naphthalene	mg/kg	12	500	12	ND (0.040)	ND (0.041)	-	0.249	-	ND (0.043)	ND (0.040)	ND (0.040)
Total (SW846 8270D)	mg/kg	-	-	-	0	0	-	1.1932	-	0	0	0
<b>GC/MS Semi-volatile TIC</b>												
Total TIC, Semi-Volatile	mg/kg	-	-	-	0.68 J	0	-	27.41 J	-	0	1.54 J	0.23 J
<b>General Chemistry</b>												
Solids, Percent	%	-	-	-	81.5	81.2	-	73.5	-	77.6	79.1	81.3

Notes:

ug/L - Microgram per liter

ND - Not detected above laboratory reporting limits

J - Laboratory estimated value between reporting limit and method detection limit

1.0 Values above laboratory limit but below NYSDEC Standards.

1.0 Values above NYSDEC Standards

Table 1A: Soil Analytical Results Compared to CP-51  
79 Hurley Ave, Kingston, NY  
Proj#: 17242956

Client Sample ID:			NY CP-51 3-Fuel Oil Contaminated	B-9	B-10	B-11	B-12	B-12A	B-13	B-14	B-15
Lab Sample ID:			Soil (NYSDEC CP-51 10/10)	JC43253-1	JC43253-2	JC43253-3	JC43253-4	JC43253-5	JC43253-6	JC43407-1	JC43407-2
Date Sampled:			5/10/10	5/12/2017	5/12/2017	5/12/2017	5/12/2017	5/12/2017	5/12/2017	5/15/2017	5/15/2017
Matrix:			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
<b>GC/MS Volatiles (SW846 8260C)</b>											
Acetone	mg/kg	-	0.0107	0.0069 J	ND (0.0055)	0.0077 J	0.0939	ND (0.0054)	ND (0.010)	0.0224	
Benzene	mg/kg	0.06	ND (0.00012)	ND (0.00011)	ND (0.00013)	0.0011	ND (0.00013)	ND (0.00013)	ND (0.00051)	ND (0.00049)	
Chlorobenzene	mg/kg	-	ND (0.00016)	ND (0.00015)	ND (0.00018)	0.00028 J	ND (0.00018)	ND (0.00017)	ND (0.0020)	ND (0.0020)	
Cyclohexane	mg/kg	-	ND (0.00052)	ND (0.00050)	ND (0.00060)	0.0026	ND (0.00061)	ND (0.00059)	ND (0.0020)	ND (0.0020)	
Ethylbenzene	mg/kg	1	ND (0.00014)	ND (0.00014)	ND (0.00016)	0.0095	ND (0.00017)	ND (0.00016)	ND (0.0010)	ND (0.00098)	
2-Hexanone	mg/kg	-	ND (0.0013)	ND (0.0013)	ND (0.0015)	0.0149	ND (0.0016)	ND (0.0015)	ND (0.0051)	ND (0.0049)	
Isopropylbenzene	mg/kg	2.3	ND (0.00015)	0.00019 J	ND (0.00017)	0.0024	ND (0.00017)	ND (0.00017)	ND (0.0020)	ND (0.0020)	
Methylcyclohexane	mg/kg	-	ND (0.00048)	ND (0.00046)	ND (0.00055)	0.0052	ND (0.00056)	ND (0.00054)	ND (0.0020)	ND (0.0020)	
Methyl Tert Butyl Ether	mg/kg	-	ND (0.00025)	0.00031 J	0.793	ND (0.00030)	0.00089 J	ND (0.00028)	ND (0.0010)	ND (0.00098)	
4-Methyl-2-pentanone(MIBK)	mg/kg	-	ND (0.00081)	ND (0.00078)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.00091)	ND (0.0051)	ND (0.0049)	
Methylene chloride	mg/kg	-	ND (0.00096)	ND (0.00092)	ND (0.0011)	0.0014 J	ND (0.0011)	ND (0.0011)	ND (0.0051)	ND (0.0049)	
m,p-Xylene	mg/kg	0.26	0.00043 J	ND (0.00020)	0.00044 J	0.0033	0.00046 J	0.00034 J	ND (0.0010)	ND (0.00098)	
o-Xylene	mg/kg	0.26	ND (0.00019)	ND (0.00019)	ND (0.00022)	0.00054 J	ND (0.00023)	ND (0.00022)	ND (0.0010)	ND (0.00098)	
Xylene (total)	mg/kg	0.26	0.00043 J	ND (0.00019)	0.00044 J	0.0038	0.00046 J	0.00034 J	ND (0.0010)	ND (0.00098)	
Total (SW846 8260C)	mg/kg	-	0.01113	0.0074	0.79344	0.04888	0.09525	0.00034	0	0.0224	
<b>GC/MS Volatile TIC</b>											
Total TIC, Volatile	mg/kg	-	0	0	0	1.06 J	0.031 J	0	0	0	
<b>GC/MS Semi-volatiles (SW846 8270D)</b>											
1,1'-Biphenyl	mg/kg	-	ND (0.0055)	ND (0.0055)	-	0.0182 J	-	ND (0.0058)	ND (0.081)	ND (0.080)	
2-Methylnaphthalene	mg/kg	-	ND (0.0092)	ND (0.0092)	-	0.926	-	ND (0.0096)	ND (0.081)	ND (0.080)	
Naphthalene	mg/kg	12	ND (0.011)	ND (0.011)	-	0.249	-	ND (0.012)	ND (0.040)	ND (0.040)	
Total (SW846 8270D)	mg/kg	-	0	0		1.1932		0	0	0	
<b>GC/MS Semi-volatile TIC</b>											
Total TIC, Semi-Volatile	mg/kg	-	0.68 J	0	-	27.41 J	-	0	1.54 J	0.23 J	
<b>General Chemistry</b>											
Solids, Percent	%	-	81.5	81.2	-	73.5	-	77.6	79.1	81.3	

Notes:

ug/L - Microgram per liter

ND - Not detected above laboratory reporting limits

J - Laboratory estimated value between reporting limit and method detection limit

1.0 Values above laboratory limit but below NYSDEC Standards.

1.0 Values above NYSDEC Standards

Table 2: Groundwater Analytical Summary  
79 Hurley Ave, Kingston, NY

Client Sample ID:		NY TOGS Class GA GW Standards (NYSDEC 6/2004)1	B-9GW	B-10GW	B-11GW	B-13GW	TB	B-14 GW	B-15 GW	MW-1
Lab Sample ID:			JC43253-7	JC43253-8	JC43253-9	JC43253-10	JC43253-11	JC43407-3	JC43407-4	JC43407-5
Date Sampled:			5/12/2017	5/12/2017	5/12/2017	5/12/2017	5/12/2017	5/15/2017	5/15/2017	5/15/2017
Matrix:			Ground Water	Ground Water	Ground Water	Ground Water	Trip Blank	Ground Water	Ground Water	Ground Water
GC/MS Volatiles (SW846 8260C)										
Acetone	ug/l	-	ND (10)	5.6 J	ND (25)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ug/l	1	ND (0.50)	ND (0.50)	0.48 J	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
cis-1,2-Dichloroethene	ug/l	5	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	0.38 J	0.57 J	ND (1.0)
Methyl Tert Butyl Ether	ug/l	10	ND (1.0)	2.1	1270	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.51 J
Total (SW846 8260C)	ug/l	-	0	7.7	1270.48	0	0	0.38	0.57	0.51
GC/MS Volatile TIC										
Total TIC, Volatile	ug/l	-	0	0	0	0	0	0	0	0
GC/MS Semi-volatiles (SW846 8270D)										
Total (SW846 8270D)	ug/l	-	0	0	0	0		0	0	0
GC/MS Semi-volatile TIC										
Total TIC, Semi-Volatile	ug/l	-	0	7.7 J	21.1 J	6.8 J	-	0	5.2 J	0

Notes:

ug/L - Microgram per liter

ND - Not detected above laboratory reporting limits

J - Laboratory estimated value between reporting limit and method detection limit

1.0 Values above laboratory limit but below NYSDEC Standards.

1.0 Values above NYSDEC Standards

Table 2A: Groundwater Analytical Summary After ORC-Sock In-Situ Treatment  
79 Hurley Ave, Kingston, NY

Client Sample ID:		NY TOGS Class GA GW Standards (NYSDEC 6/2004)1	MW-1	MW-2	MW-3	TB
Lab Sample ID:			JC49133-1	JC49133-2	JC49133-3	JC49133-4
Date Sampled:			8/16/2017	8/16/2017	8/16/2017	8/16/2017
Matrix:			Ground Water	Ground Water	Ground Water	Trip Blank
GC/MS Volatiles (SW846 8260C)						
Benzene	ug/l	1	ND (0.17)	0.93	ND (0.17)	ND (0.17)
Ethylbenzene	ug/l	5	ND (0.22)	4.8	ND (0.22)	ND (0.22)
Methyl Tert Butyl Ether	ug/l	10	ND (0.25)	57.4	45.6	ND (0.25)
Toluene	ug/l	5	ND (0.25)	0.51 J	ND (0.25)	ND (0.25)
m,p-Xylene	ug/l	-	ND (0.43)	8.1	ND (0.43)	ND (0.43)
o-Xylene	ug/l	5	ND (0.22)	0.75 J	ND (0.22)	ND (0.22)
Xylene (total)	ug/l	5	ND (0.22)	8.9	ND (0.22)	ND (0.22)
Total (SW846 8260C)	ug/l	-	0	80.13	45.6	0
GC/MS Semi-volatiles (SW846 8270D)						
Naphthalene	ug/l	-	ND (0.23)	0.40 J	ND (0.23)	-
Total (SW846 8270D)	ug/l	-	0	0.40 J	0	

Notes:

ug/L - Microgram per liter

ND - Not detected above laboratory reporting limits

J - Laboratory estimated value between reporting limit and method detection limit

1.0 Values above laboratory limit but below NYSDEC Standards.

1.0 Values above NYSDEC Standards



Table 3: Soil Gas Analytical Results  
79 Hurley Ave, Kingston, NY

SAMPLE ID:				SG-1		SG-2		SG-3	
LAB ID:				L1715695-01		L1715695-02		L1715695-03	
COLLECTION DATE:				5/12/2017		5/12/2017		5/12/2017	
SAMPLE DEPTH:									
SAMPLE MATRIX:				Sub-Slab Soil Gas		Sub-Slab Soil Gas		Sub-Slab Soil Gas	
		EPA-VISL-COM	EPA-VISL-RES						
ANALYTE	CAS		(ug/m3)	Conc	RL	Conc	RL	Conc	RL
<b>VOLATILE ORGANICS IN AIR</b>									
1,1,1-Trichloroethane	71-55-6	730000	170000	4.83	1.09	1.29	1.09	ND	43.9
1,1,2,2-Tetrachloroethane	79-34-5	7	1.6	ND	1.37	ND	1.37	ND	55.3
1,1,2-Trichloroethane	79-00-5	26	5.8	ND	1.09	ND	1.09	ND	43.9
1,1-Dichloroethane	75-34-3	260	58	ND	0.809	ND	0.809	ND	32.6
1,1-Dichloroethene	75-35-4	29000	7000	ND	0.793	ND	0.793	ND	31.9
1,2,4-Trichlorobenzene	120-82-1	290	70	ND	1.48	ND	1.48	ND	59.8
1,2,4-Trimethylbenzene	95-63-6	1000	240	2.26	0.983	1.12	0.983	ND	39.6
1,2-Dibromoethane	106-93-4	0.68	0.16	ND	1.54	ND	1.54	ND	61.9
1,2-Dichlorobenzene	95-50-1	29000	7000	ND	1.2	ND	1.2	ND	48.4
1,2-Dichloroethane	107-06-2	16	3.6	ND	0.809	ND	0.809	ND	32.6
1,2-Dichloropropane	78-87-5	41	9.4	ND	0.924	ND	0.924	ND	37.2
1,3,5-Trimethylbenzene	108-67-8	NA	NA	1.09	0.983	ND	0.983	ND	39.6
1,3-Butadiene	106-99-0	14	3.1	ND	0.442	ND	0.442	ND	17.8
1,3-Dichlorobenzene	541-73-1	NA	NA	ND	1.2	ND	1.2	ND	48.4
1,4-Dichlorobenzene	106-46-7	37	8.5	ND	1.2	ND	1.2	ND	48.4
1,4-Dioxane	123-91-1	82	19	ND	0.721	ND	0.721	ND	29
2,2,4-Trimethylpentane	540-84-1	NA	NA	ND	0.934	ND	0.934	ND	37.6
2-Butanone	78-93-3	NA	170000	1.88	1.47	1.69	1.47	ND	59.3
2-Hexanone	591-78-6	4400	1000	ND	0.82	ND	0.82	ND	33
3-Chloropropene	107-05-1	NA	16	ND	0.626	ND	0.626	ND	25.2
4-Ethyltoluene	622-96-8	NA	NA	ND	0.983	ND	0.983	ND	39.6
4-Methyl-2-pentanone	108-10-1	NA	100000	ND	2.05	ND	2.05	ND	82.4
Acetone	67-64-1	4500000	1100000	39.7	2.38	49.4	2.38	ND	95.7
Benzene	71-43-2	52	12	7.09	0.639	7.03	0.639	ND	25.7
Benzyl chloride	100-44-7	8.3	1.9	ND	1.04	ND	1.04	ND	41.7
Bromodichloromethane	75-27-4	11	2.5	ND	1.34	ND	1.34	ND	53.9
Bromoform	75-25-2	370	85	ND	2.07	ND	2.07	ND	83.2
Bromomethane	74-83-9	730	170	ND	0.777	ND	0.777	ND	31.3
Carbon disulfide	75-15-0	100000	24000	2.45	0.623	4.3	0.623	ND	25.1
Carbon tetrachloride	56-23-5	68	16	ND	1.26	ND	1.26	ND	50.6
Chlorobenzene	108-90-7	7300	1700	ND	0.921	ND	0.921	ND	37.1
Chloroethane	75-00-3	NA	350000	ND	0.528	ND	0.528	ND	21.2
Chloroform	67-66-3	18	4.1	ND	0.977	ND	0.977	ND	39.3
Chloromethane	74-87-3	13000	3100	1.09	0.413	0.483	0.413	ND	16.6
cis-1,2-Dichloroethene	156-59-2	NA	NA	ND	0.793	ND	0.793	ND	31.9
cis-1,3-Dichloropropene	10061-01-5	NA	23	ND	0.908	ND	0.908	ND	36.5
Cyclohexane	110-82-7	880000	210000	5.58	0.688	4.03	0.688	ND	27.7
Dibromochloromethane	124-48-1	NA	3.5	ND	1.7	ND	1.7	ND	68.6
Dichlorodifluoromethane	75-71-8	15000	3500	75.2	0.989	11.8	0.989	12500	39.8
Ethanol	64-17-5	NA	NA	10.1	9.42	10.2	9.42	518	379
Ethyl Acetate	141-78-6	10000	2400	ND	1.8	ND	1.8	ND	72.4
Ethylbenzene	100-41-4	160	37	4	0.869	1.79	0.869	ND	35
Freon-113	76-13-1	NA	1000000	ND	1.53	ND	1.53	ND	61.7
Freon-114	76-14-2	NA	NA	ND	1.4	ND	1.4	ND	56.3
Heptane	142-82-5	NA	NA	ND	0.82	ND	0.82	ND	33
Hexachlorobutadiene	87-68-3	19	4.3	ND	2.13	ND	2.13	ND	85.9
Isopropanol	67-63-0	29000	7000	3.98	1.23	5.01	1.23	ND	49.4
Methyl tert butyl ether	1634-04-4	1600	360	ND	0.721	ND	0.721	ND	29
Methylene chloride	75-09-2	41000	3400	ND	1.74	ND	1.74	ND	69.8
n-Hexane	110-54-3	100000	24000	1.82	0.705	2.02	0.705	ND	28.4
o-Xylene	95-47-6	15000	3500	5.21	0.869	2.2	0.869	ND	35
p/m-Xylene	179601-23-1	15000	3500	12.8	1.74	6.08	1.74	ND	69.9
Styrene	100-42-5	150000	35000	ND	0.852	ND	0.852	ND	34.3
Tertiary butyl Alcohol	75-65-0	NA	NA	1.85	1.52	2.21	1.52	ND	60.9
Tetrachloroethene	127-18-4	1600	360	ND	1.36	ND	1.36	ND	54.6
Tetrahydrofuran	109-99-9	290000	70000	ND	1.47	ND	1.47	ND	59.3
Toluene	108-88-3	730000	170000	7.61	0.754	5.8	0.754	ND	30.3
trans-1,2-Dichloroethene	156-60-5	NA	NA	ND	0.793	ND	0.793	ND	31.9
trans-1,3-Dichloropropene	10061-02-6	NA	23	ND	0.908	ND	0.908	ND	36.5
Trichloroethene	79-01-6	100	16	ND	1.07	ND	1.07	ND	43.3
Trichlorofluoromethane	75-69-4	NA	24000	2.55	1.12	2.92	1.12	ND	45.2
Vinyl bromide	593-60-2	13	2.9	ND	0.874	ND	0.874	ND	35.2
Vinyl chloride	75-01-4	93	5.6	ND	0.511	ND	0.511	ND	20.6

**Notes:**

EPA-VISL-RES: EPA VISL Default Residential Target Sub-Slab & Exterior Soil Gas Concentrations Criteria per VISL Calculator, Version 3.4, June 2015 RSLs.

EPA-VISL-COM EPA VISL Default Commercial Target Sub-Slab & Exterior Soil Gas Concentrations Criteria per VISL \*

12500 = Exceeds Residential VISL Concentrations but not Commercial

RL exceeds standard

RL = Laboratory Reporting Limit

NA = Not Applicable

ND = Non Detect

**Appendix A:**  
**BORING LOGS**



Table 3: Soil Gas Analytical Results  
79 Hurley Ave, Kingston, NY

SAMPLE ID:				SG-1		SG-2		SG-3	
LAB ID:				L1715695-01		L1715695-02		L1715695-03	
COLLECTION DATE:				5/12/2017		5/12/2017		5/12/2017	
SAMPLE DEPTH:									
SAMPLE MATRIX:				Sub-Slab Soil Gas		Sub-Slab Soil Gas		Sub-Slab Soil Gas	
		EPA-VISL-COM	EPA-VISL-RES						
ANALYTE	CAS		(ug/m3)	Conc	RL	Conc	RL	Conc	RL
<b>VOLATILE ORGANICS IN AIR</b>									
1,1,1-Trichloroethane	71-55-6	730000	170000	4.83	1.09	1.29	1.09	ND	43.9
1,1,2,2-Tetrachloroethane	79-34-5	7	1.6	ND	1.37	ND	1.37	ND	55.3
1,1,2-Trichloroethane	79-00-5	26	5.8	ND	1.09	ND	1.09	ND	43.9
1,1-Dichloroethane	75-34-3	260	58	ND	0.809	ND	0.809	ND	32.6
1,1-Dichloroethene	75-35-4	29000	7000	ND	0.793	ND	0.793	ND	31.9
1,2,4-Trichlorobenzene	120-82-1	290	70	ND	1.48	ND	1.48	ND	59.8
1,2,4-Trimethylbenzene	95-63-6	1000	240	2.26	0.983	1.12	0.983	ND	39.6
1,2-Dibromoethane	106-93-4	0.68	0.16	ND	1.54	ND	1.54	ND	61.9
1,2-Dichlorobenzene	95-50-1	29000	7000	ND	1.2	ND	1.2	ND	48.4
1,2-Dichloroethane	107-06-2	16	3.6	ND	0.809	ND	0.809	ND	32.6
1,2-Dichloropropane	78-87-5	41	9.4	ND	0.924	ND	0.924	ND	37.2
1,3,5-Trimethylbenzene	108-67-8	NA	NA	1.09	0.983	ND	0.983	ND	39.6
1,3-Butadiene	106-99-0	14	3.1	ND	0.442	ND	0.442	ND	17.8
1,3-Dichlorobenzene	541-73-1	NA	NA	ND	1.2	ND	1.2	ND	48.4
1,4-Dichlorobenzene	106-46-7	37	8.5	ND	1.2	ND	1.2	ND	48.4
1,4-Dioxane	123-91-1	82	19	ND	0.721	ND	0.721	ND	29
2,2,4-Trimethylpentane	540-84-1	NA	NA	ND	0.934	ND	0.934	ND	37.6
2-Butanone	78-93-3	NA	170000	1.88	1.47	1.69	1.47	ND	59.3
2-Hexanone	591-78-6	4400	1000	ND	0.82	ND	0.82	ND	33
3-Chloropropene	107-05-1	NA	16	ND	0.626	ND	0.626	ND	25.2
4-Ethyltoluene	622-96-8	NA	NA	ND	0.983	ND	0.983	ND	39.6
4-Methyl-2-pentanone	108-10-1	NA	100000	ND	2.05	ND	2.05	ND	82.4
Acetone	67-64-1	4500000	1100000	39.7	2.38	49.4	2.38	ND	95.7
Benzene	71-43-2	52	12	7.09	0.639	7.03	0.639	ND	25.7
Benzyl chloride	100-44-7	8.3	1.9	ND	1.04	ND	1.04	ND	41.7
Bromodichloromethane	75-27-4	11	2.5	ND	1.34	ND	1.34	ND	53.9
Bromoform	75-25-2	370	85	ND	2.07	ND	2.07	ND	83.2
Bromomethane	74-83-9	730	170	ND	0.777	ND	0.777	ND	31.3
Carbon disulfide	75-15-0	100000	24000	2.45	0.623	4.3	0.623	ND	25.1
Carbon tetrachloride	56-23-5	68	16	ND	1.26	ND	1.26	ND	50.6
Chlorobenzene	108-90-7	7300	1700	ND	0.921	ND	0.921	ND	37.1
Chloroethane	75-00-3	NA	350000	ND	0.528	ND	0.528	ND	21.2
Chloroform	67-66-3	18	4.1	ND	0.977	ND	0.977	ND	39.3
Chloromethane	74-87-3	13000	3100	1.09	0.413	0.483	0.413	ND	16.6
cis-1,2-Dichloroethene	156-59-2	NA	NA	ND	0.793	ND	0.793	ND	31.9
cis-1,3-Dichloropropene	10061-01-5	NA	23	ND	0.908	ND	0.908	ND	36.5
Cyclohexane	110-82-7	880000	210000	5.58	0.688	4.03	0.688	ND	27.7
Dibromochloromethane	124-48-1	NA	3.5	ND	1.7	ND	1.7	ND	68.6
Dichlorodifluoromethane	75-71-8	15000	3500	75.2	0.989	11.8	0.989	12500	39.8
Ethanol	64-17-5	NA	NA	10.1	9.42	10.2	9.42	518	379
Ethyl Acetate	141-78-6	10000	2400	ND	1.8	ND	1.8	ND	72.4
Ethylbenzene	100-41-4	160	37	4	0.869	1.79	0.869	ND	35
Freon-113	76-13-1	NA	1000000	ND	1.53	ND	1.53	ND	61.7
Freon-114	76-14-2	NA	NA	ND	1.4	ND	1.4	ND	56.3
Heptane	142-82-5	NA	NA	ND	0.82	ND	0.82	ND	33
Hexachlorobutadiene	87-68-3	19	4.3	ND	2.13	ND	2.13	ND	85.9
Isopropanol	67-63-0	29000	7000	3.98	1.23	5.01	1.23	ND	49.4
Methyl tert butyl ether	1634-04-4	1600	360	ND	0.721	ND	0.721	ND	29
Methylene chloride	75-09-2	41000	3400	ND	1.74	ND	1.74	ND	69.8
n-Hexane	110-54-3	100000	24000	1.82	0.705	2.02	0.705	ND	28.4
o-Xylene	95-47-6	15000	3500	5.21	0.869	2.2	0.869	ND	35
p/m-Xylene	179601-23-1	15000	3500	12.8	1.74	6.08	1.74	ND	69.9
Styrene	100-42-5	150000	35000	ND	0.852	ND	0.852	ND	34.3
Tertiary butyl Alcohol	75-65-0	NA	NA	1.85	1.52	2.21	1.52	ND	60.9
Tetrachloroethene	127-18-4	1600	360	ND	1.36	ND	1.36	ND	54.6
Tetrahydrofuran	109-99-9	290000	70000	ND	1.47	ND	1.47	ND	59.3
Toluene	108-88-3	730000	170000	7.61	0.754	5.8	0.754	ND	30.3
trans-1,2-Dichloroethene	156-60-5	NA	NA	ND	0.793	ND	0.793	ND	31.9
trans-1,3-Dichloropropene	10061-02-6	NA	23	ND	0.908	ND	0.908	ND	36.5
Trichloroethene	79-01-6	100	16	ND	1.07	ND	1.07	ND	43.3
Trichlorofluoromethane	75-69-4	NA	24000	2.55	1.12	2.92	1.12	ND	45.2
Vinyl bromide	593-60-2	13	2.9	ND	0.874	ND	0.874	ND	35.2
Vinyl chloride	75-01-4	93	5.6	ND	0.511	ND	0.511	ND	20.6

**Notes:**

EPA-VISL-RES: EPA VISL Default Residential Target Sub-Slab & Exterior Soil Gas Concentrations Criteria per VISL Calculator, Version 3.4, June 2015 RSLs.

EPA-VISL-COM EPA VISL Default Commercial Target Sub-Slab & Exterior Soil Gas Concentrations Criteria per VISL \*

12500 = Exceeds Residential VISL Concentrations but not Commercial

RL exceeds standard

RL = Laboratory Reporting Limit

NA = Not Applicable

ND = Non Detect

Boring Number:		B-9			Page 1 of 1	
Location:					Date Started:	5/12/2017
Site Address:		79 Hurley Avenue			Date Completed:	5/12/2017
		Kingston, New York 12401			Depth to Groundwater:	10.0 ft. bgs
Project Number:		17242956-EN			Field Technician:	AH
Drill Rig Type:		7822 DT track-mounted GeoProbe			Partner Engineering and Science, Inc.	
Sampling Equipment:		5 ft. Marco-Core			611 Industrial Way West	
Borehole Diameter:		2 inches			Eatontown, NJ 07724	
Depth	Sample	PID	USCS	Description	Notes	
1	B-9	N/A	N/A	Hand-cleared to 5.0 ft. bgs	Boring overlain by asphalt	
2					N/A	
3						
4						
5						
6		ML	Brown clayey silt; slightly moist	4.0 ft. recovery; no odors or staining observed		
7						
8						
9						
10					Soil sample B-9 was collected at 9.5-10.0 ft. bgs	
11				Brown clayey silt; wet	5.0 ft. recovery; no odors or staining observed	
12						
13						
14						
15						CL
16						
17						
18						
19						
20			Boring terminated at 15.0 ft. bgs	Boring B-9 was converted into a temporary well point and screened from 5.0-15.0 ft. bgs		
21						
22						
23						
24						
25						

Boring Number:		B-10			Page 1 of 1	
Location:					Date Started:	5/12/2017
Site Address:		79 Hurley Avenue			Date Completed:	5/12/2017
		Kingston, New York 12401			Depth to Groundwater:	7.0 ft. bgs
Project Number:		17242956-EN			Field Technician:	AH
Drill Rig Type:		7822 DT track-mounted GeoProbe			Partner Engineering and Science, Inc.	
Sampling Equipment:		5 ft. Marco-Core			611 Industrial Way West	
Borehole Diameter:		2 inches			Eatontown, NJ 07724	
Depth	Sample	PID	USCS	Description	Notes	
1	B-10	N/A	N/A	Hand-cleared to 5.0 ft. bgs	Boring overlain by asphalt	
2					N/A	
3						
4						
5						
6		0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Brown silty clay; slightly moist	4.0 ft. recovery; no odors or staining observed		
7						
8						
9						
10						
11		CL	Brown silty clay; wet	Soil sample B-10 was collected at 6.5-7.0 ft. bgs		
12						
13						
14						
15						
16			Brown clay with trace silt; wet	4.5 ft. recovery; no odors or staining observed		
17						
18						
19						
20						
21						
22						
23						
24						
25						
16				Boring terminated at 15.0 ft. bgs	Boring B-10 was converted into a temporary well point and screened from 5.0-15.0 ft. bgs	
17						
18						
19						
20						
21						
22						
23						
24						
25						

Boring Number:		B-11			Page 1 of 1	
Location:					Date Started:	5/12/2017
Site Address:		79 Hurley Avenue			Date Completed:	5/12/2017
		Kingston, New York 12401			Depth to Groundwater:	12.5 ft. bgs
Project Number:		17242956-EN			Field Technician:	AH
Drill Rig Type:		7822 DT track-mounted GeoProbe			Partner Engineering and Science, Inc.	
Sampling Equipment:		5 ft. Marco-Core			611 Industrial Way West	
Borehole Diameter:		2 inches			Eatontown, NJ 07724	
Depth	Sample	PID	USCS	Description	Notes	
1	B-11	N/A	N/A	Hand-cleared to 5.0 ft. bgs	Boring overlain by asphalt	
2					N/A	
3						
4						
5						
6		CL	Brown silty clay; moist	3.0 ft. recovery; no odors or staining observed		
7						
8						
9						
10						
11				Brown/tan dense clay; dry	5.0 ft. recovery; no odors or staining observed	
12						
13						Soil sample B-11 was collected at 12.0-12.5 ft. bgs
14						
15						
16	Boring terminated at 15.0 ft. bgs	Boring B-11 was converted into a temporary well point and screened from 10.0-15.0 ft. bgs				
17						
18						
19						
20						
21						
22						
23						
24						
25						

Boring Number:		B-12			Page 1 of 1	
Location:					Date Started:	5/12/2017
Site Address:	79 Hurley Avenue			Date Completed:		5/12/2017
	Kingston, New York 12401			Depth to Groundwater:		N/A
Project Number:		17242956-EN			Field Technician:	AH
Drill Rig Type:		7822 DT track-mounted GeoProbe			Partner Engineering and Science, Inc.	
Sampling Equipment:		5 ft. Marco-Core			611 Industrial Way West	
Borehole Diameter:		2 inches			Eatontown, NJ 07724	
Depth	Sample	PID	USCS	Description	Notes	
1	B-12	N/A	N/A	Hand-cleared to 5.0 ft. bgs	Boring overlain by asphalt	
2					N/A	
3						
4						
5						
6		0.0	SM	Brown silty fine sand; slightly moist	3.5 ft. recovery; petroleum odors observed	
7		0.0			Soil sample B-12 was collected at 6.0-6.5 ft. bgs	
8		16.0				
9		14.0	CL	Brown silty clay; dry		
10		6.0				
11		5.0				
12		3.0				
13		3.0				
14		2.0		Brown dense silty clay; dry	2.5 ft. recovery; no odors or staining observed	
15		2.0				
16		0.0				
17		0.0				
18		0.0				
19	B-12A	0.0			1.0 ft. recovery; no odors or staining observed	
20		0.0			Soil sample B-12A was collected at 17.5-18.0 ft. bgs	
21		0.0				
22		0.0				
23		0.0			No groundwater encountered	
24		0.0				
25		0.0				
19				Refusal at 18.0 ft. bgs on limestone (bedrock)	No groundwater encountered	
20						
21						
22						
23						
24						
25						

Boring Number:		B-13			Page 1 of 1	
Location:					Date Started:	5/12/2017
Site Address:		79 Hurley Avenue			Date Completed:	5/12/2017
		Kingston, New York 12401			Depth to Groundwater:	15.0 ft. bgs
Project Number:		17242956-EN			Field Technician:	AH
Drill Rig Type:		7822 DT track-mounted GeoProbe			Partner Engineering and Science, Inc.	
Sampling Equipment:		5 ft. Marco-Core			611 Industrial Way West	
Borehole Diameter:		2 inches			Eatontown, NJ 07724	
Depth	Sample	PID	USCS	Description	Notes	
1	B-13	N/A	N/A	Hand-cleared to 5.0 ft. bgs	Boring overlain by asphalt	
2					N/A	
3						
4						
5						
6		0.0	CL	Brown silty clay; slightly moist	3.5 ft. recovery; no odors or staining observed	
7		0.0				
8		0.0				
9		0.0				
10		0.0				
11		0.0		Light brown clay; slightly moist	4.5 ft. recovery; no odors or staining observed	
12		0.0				
13		0.0				
14		0.0				
15		0.0				
16		0.0		Brown silty clay; moist	Soil sample B-13 was collected at 14.5-15.0 ft. bgs	
17		0.0				
18		0.0				
19		0.0				
20		0.0				
21				Boring terminated at 20.0 ft. bgs	Boring B-13 was converted into a temporary well point and screened from 10.0-20.0 ft. bgs	
22						
23						
24						
25						

Boring Number:		B-14			Page 1 of 1	
Location:					Date Started:	5/15/2017
Site Address:		79 Hurley Avenue			Date Completed:	5/15/2017
		Kingston, New York 12401			Depth to Groundwater:	15.0 ft. bgs
Project Number:		17242956-EN			Field Technician:	AH
Drill Rig Type:		6620 DT track-mounted GeoProbe			Partner Engineering and Science, Inc.	
Sampling Equipment:		5 ft. Marco-Core			611 Industrial Way West	
Borehole Diameter:		2 inches			Eatontown, NJ 07724	
Depth	Sample	PID	USCS	Description	Notes	
1	B-14	N/A	N/A	Hand-cleared to 5.0 ft. bgs	Boring overlain by concrete (8-10 in slab)	
2					N/A	
3						
4						
5						
6		0.0 0.0				

Boring Number:		B-15			Page 1 of 1	
Location:					Date Started:	5/15/2017
Site Address:		79 Hurley Avenue			Date Completed:	5/15/2017
		Kingston, New York 12401			Depth to Groundwater:	15.0 ft. bgs
Project Number:		17242956-EN			Field Technician:	AH
Drill Rig Type:		6620 DT track-mounted GeoProbe			Partner Engineering and Science, Inc.	
Sampling Equipment:		5 ft. Marco-Core			611 Industrial Way West	
Borehole Diameter:		2 inches			Eatontown, NJ 07724	
Depth	Sample	PID	USCS	Description	Notes	
1	<div><div></div></div> B-15	N/A	N/A	Hand-cleared to 5.0 ft. bgs	Boring overlain by concrete (8-10 in slab)	
2					N/A	
3						
4						
5						
6		0.0	ML	Brown silt with trace clays; slightly moist		3.0 ft. recovery; no odors or staining observed
7		0.0				
8		0.0				
9		0.0				
10		0.0				
11		0.0				
12		0.0				
13		0.0				
14		0.0				
15		0.0				
16		0.0	CL	Brown dense silty clay; slightly moist	4.5 ft. recovery; no odors or staining observed	
17		0.0				
18		0.0				
19		0.0				
20		0.0				
21	0.0					
22	0.0					
23	0.0					
24	0.0					
25	0.0					
26				Boring terminated at 20.0 ft. bgs	Boring B-15 was converted into a temporary well point and screened from 15.0-20.0 ft. bgs	
27						
28						
29						
30						



**Appendix B:**  
**PHASE II ESA**



## PHASE II SUBSURFACE INVESTIGATION REPORT

The Daily Freeman  
79 Hurley Avenue  
Kingston, New York 12401

October 14, 2016  
Partner Project Number: 16-162670.6

Prepared for:

**Twenty Lake Holdings**  
885 Third Avenue, Suite 1940  
New York, New York 10022



Engineers who understand your business

October 14, 2016

Mr. Peter Robdau  
Twenty Lake Holdings  
885 Third Avenue, Suite 1940  
New York, New York 10022

Subject: Phase II Subsurface Investigation Report  
The Daily Freeman  
79 Hurley Avenue  
Kingston, New York 12401  
Partner Project Number: 16-162670.6

Dear Mr. Robdau:

Partner Assessment Corporation (Partner) is pleased to provide the results of the assessment performed on the above-referenced property. The following report describes the field activities, methods, and findings of the Phase II Subsurface Investigation conducted at the above-referenced property.

This assessment was performed utilizing methods and procedures consistent with good commercial or customary practices designed to conform to acceptable industry standards. The independent conclusions represent Partner's best professional judgment based upon existing conditions and the information and data available to us during the course of this assignment.

We appreciate the opportunity to provide these services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact Summer Gell at (214) 666-6800.

Sincerely,

**Partner Assessment Corporation**



Chris Niedzwiecki  
Project Scientist



Andres Simonson  
Regional Manager – Subsurface Investigation



Summer D. Gell  
Relationship Manager

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## **1.0 INTRODUCTION**

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### **1.1 Purpose**

The purpose of the investigation was to identify the location of on-site underground storage tanks (USTs) and/or former tankhold systems, evaluate the floor drain system, and to investigate the potential impact of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and/or metals to soil and groundwater as a consequence of a release or releases from the former printing operations and gasoline USTs. Twenty Lake Holdings provided project authorization of Partner Proposal Number P16-159311.2.

### **1.2 Limitations**

This report presents a summary of work conducted by Partner. The work includes observations of site conditions encountered and the analytical results provided by an independent third party laboratory of samples collected during the course of the project. The number and location of samples were selected to provide the required information. However, it cannot be assumed that the limited available data are representative of subsurface conditions in areas not sampled.

Conclusions and/or recommendations are based on the observations, laboratory analyses, and the governing regulations. Conclusions and/or recommendations beyond those stated and reported herein should not be inferred from this document.

Partner warrants that the environmental consulting services contained herein were accomplished in accordance with generally-accepted practices in the environmental engineering, geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

### **1.3 User Reliance**

Partner was engaged by Twenty Lake Holdings (the Addressee), or their authorized representative, to perform this investigation. The engagement agreement specifically states the scope and purpose of the investigation, as well as the contractual obligations and limitations of both parties. This report and the information therein, are for the exclusive use of the Addressee. This report has no other purpose and may not be relied upon, or used, by any other person or entity without the written consent of Partner. Third parties that obtain this report, or the information therein, shall have no rights of recourse or recovery against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, the Addressee and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such use. Unauthorized use of this report shall constitute acceptance of, and commitment to, these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted the Terms and Conditions for which this report was completed.



## 2.0 SITE BACKGROUND

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### 2.1 Site Description

The subject property consists of one parcel of land comprising approximately 2.9 acres located on the north side of Hurley Avenue, between Taylor Street and Quarry Street, within a mixed commercial and residential area of Ulster County, New York. The subject property is currently occupied by The Daily Freeman for commercial/office use. On-site operations consist of general newspaper production administrative/office activities as well as warehousing and distribution activities.

The subject property is developed with a single-story structure that is situated within the central portion of the site, containing office spaces, warehouse spaces, a mezzanine level, as well as a basement level beneath the original portion of the facility. The basement level does not extend beneath the warehouse portion of the subject property building, which is currently leased to PCF, a newspaper distribution company. No newspaper printing operations are currently conducted on-site. Former printing operations reportedly ceased at the subject property in 2010. In addition to the current structure, the subject property is improved with asphalt-paved parking areas, naturally vegetated land, and a freshwater pond that is located within the rear portion of the site.

The subject property is bound by a Best Western to the north across vegetated land and railroad tracks, a Super 8 Motel and an office building to the east, single-family residences and an office building to the south across Hurley Avenue, and an office building with associated paved parking areas to the west. Refer to Figure 1 for a site vicinity map showing site features and surrounding properties.

### 2.2 Site History

Partner completed a draft *Phase I Environmental Site Assessment* (Phase I) Report, dated April 21, 2016, prepared on behalf of Twenty Lake Holdings. Based on the information reviewed and the site reconnaissance, the subject property was previously developed with a potential residence within the southern portion of the site, from as early as 1901 to circa 1924. Thereafter, the subject property appears to have remained mostly vacant land through at least 1943. The subject property was subsequently redeveloped with a portion of the current structure circa 1963, which was later improved with an addition in 1984. Tenants on the subject property have included, but are not limited to, The Great Atlantic and Pacific Tea Company (A&P Supermarket, c. 1963-c. 1970) and The Daily Freeman (c. 1974-present).

The Phase I identified the following recognized environmental conditions (RECs):

1. The subject property has been occupied by The Daily Freeman from as early as 1974. Newspaper printing operations were conducted on-site from the start of tenancy until approximately 2010. Printing presses were located in what is now a mostly vacant warehouse area within the eastern portion of the subject property building. Newspaper printing operations also included a photo development dark room and a pre-press area, which was utilized to convert images to a plate or film prior to the newspaper printing process. Floor drains were observed in the pre-press area, and an apparent long trench drain was observed within the former printing area. According to the key site manager, these features are expected to discharge to the municipal sanitary sewer system. Staining was observed on the floor in the immediate vicinity of the floor drains in the pre-press

area and significant ink staining was observed on the walls surrounding a wash sink in the former printing area. These drains may act as pathways to the subsurface and have the potential to impact the subsurface, should they become compromised. According to the regulatory database report, the subject property was identified as a Resource Conservation and Recovery Act-Non Generator (RCRA-NonGen/NLR) since at least 2006, and was a Resource Conservation and Recovery Act-Small Quantity Generator (RCRA-SQG) since 1988. Hazardous wastes previously generated on-site include "solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead." Although two compliance evaluation inspections were conducted on-site in 1999 and 2013, during which no violations were identified, Partner was unable to verify proper handling and/or disposal practices during the remaining years in which printing operations were performed. Based on the duration of former hazardous materials activities, including the generation of solvent wastes, as well as the nature of the aforementioned hazardous substances used, stored, and/or generated on-site, the former printing operations are considered a REC.

2. According to information obtained from the regulatory database report and from a records request response from the New York State Department of Environmental Conservation (NYSDEC), the subject property was historically equipped with four USTs, which were registered under Facility ID Number 3-411086. The USTs included a 2,000-gallon steel UST that was installed in 1974, a 1,000-gallon steel UST that was installed in 1979, a 10,000-gallon steel UST that was installed in 1979, and a 6,000-gallon fiberglass UST that was installed in 1994. All four tanks were previously utilized for the gasoline storage to support newspaper delivery fleet refueling activities, and are currently listed as "closed-removed." Closure dates were provided for the 10,000-gallon UST (May 1994) and 6,000-gallon UST (January 2012). However, Partner was only provided with documentation verifying the location and closure of the former 6,000-gallon UST. No information pertaining to the exact location, removal dates, or any post-closure subsurface sampling of the remaining three tanks was available for review during the course of the Phase I.

Two gasoline releases were reported in connection with the aforementioned USTs. The first release (Spill Number 9002411) was reported on June 1, 1990, during a tank pull. An available Spill Report Form does not indicate from which tank the release occurred. However, based on the incident date, the release likely pertains to the former 1,000-gallon tank or 2,000-gallon tank (or both). The Spill Report Form notes that approximately 15 to 18 cubic yards of contaminated soil were stockpiled and disposed of off-site. The release case was issued regulatory closure on June 15, 1990 and was noted to have met applicable cleanup standards. However, the analytical results of post-excavation soil sampling were not provided for review. The second release (Spill Number 9402470) was reported on May 19, 1994, during a tank tightness test, which was performed in preparation for the closure of a UST. Given the incident date, the release likely pertains to the former 10,000-gallon UST. The spill report indicates that the tank was emptied and the release case was issued regulatory closure on June 9, 1994. However, cleanup was noted to have not met applicable standards. Further, the analytical results of post-excavation soil sampling were not provided for review. As such, the potential exists for residual impacts to remain in place at the subject property. Partner requested copies of full UST and spill closure reports (with analytical data) from the NYSDEC;

however, no further information was provided by the NYSDEC to date. Based on the lack of available information, Partner was unable to determine the locations of the former 2,000-gallon UST, 1,000-gallon UST, and 10,000-gallon UST, whether or not said USTs were closed and removed in accordance with applicable standards, or whether or not the subsurface has been impacted beyond what was visually observed and reported for the two release cases. Therefore, the three former USTs and associated release cases are considered a REC.

## **2.3 Geology and Hydrogeology**

Review of the United States Geological Survey (USGS) *Kingston West, New York* Quadrangle topographic map indicates the subject property is situated at an elevation approximately 174 feet above mean sea level, and the local topography is sloping gently to the north-northeast. Refer to Figure 2 for a topographic map of the site vicinity.

The subject property is situated within the Hudson Valley section of the Valley and Ridge physiographic province of the State of New York. According to the USGS, the uppermost geologic formation underlying the soils at the subject property is the Lower to Middle Devonian Onondaga Limestone formation. The Onondaga Limestone formation comprises the underlying stratigraphy and consists mostly of broad, carbonate platform facies that were deposited during early to middle Eifelian time. Carbonates are characterized by calcarenitic to cherty to argillaceous limestones and minor shales deposited in a shallow epicontinental sea. The Onondaga Limestone formation consists of gray or grayish-blue, compact, crystalline limestone, as well as overlies the Oriskany sandstone and underlies the Seneca limestone. Thickness ranges from 100 to 500 feet.

Information obtained from the United States Department of Agriculture (USDA) – Natural Resources Conservation Service (NRCS) Web Soil Survey online database shows the subject property is mapped as Riverhead fine sandy loam. The Riverhead series consists of very deep, well-drained soils that formed in glacial outwash deposits, which are primarily derived from granitic materials. This type of soil occurs on outwash plains, valley trains, beaches, and water-sorted moraine landforms. Slopes range from 0 to 15 percent.

The nearest body of surface water in the vicinity of the subject property is a designated freshwater pond, which is located within the northern portion of the subject property. No additional settling ponds, lagoons, surface impoundments, or natural catch basins were observed on the subject property during this assessment.

Borings advanced during this investigation determined the underlying subsurface consists predominantly of tan, tan/gray or gray clayey silt, tan, gray or tan/red clay, or tan medium sand with varying amounts of medium pebbles from the ground surface to approximately 20 feet below ground surface (bgs). Backfill material consisting of gray medium pebbles was encountered within the area of the excavation to a depth of approximately nine to 13.5 feet bgs. Refer to Appendix A for boring logs from this investigation.

Groundwater was encountered during this investigation between 12 and 19 feet bgs.

## 3.0 FIELD ACTIVITIES

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Refer to Table 1 for a summary of the borings, sampling schedule and laboratory analyses for this investigation. The scope of the Phase II Subsurface Investigation included a geophysical survey and the advancement of eight borings (B1 through B8) for the collection of representative soil and/or groundwater samples.

### 3.1 Preparatory Activities

Prior to the initiation of fieldwork, Partner completed the following activities.

#### 3.1.1 *Utility Clearance*

Hawk Drilling, Inc. (Hawk) of Hampton, New Jersey notified Dig Safely New York (Dig Safely) to clear public utility lines as required by law at least 48 hours prior to drilling activities. Dig Safely issued ticket number 09276-900-024 for the project.

#### 3.1.2 *Health and Safety Plan*

Partner reviewed the site-specific Health and Safety Plan with on-site personnel involved in the project prior to the commencement of drilling activities.

### 3.2 Geophysical Survey

On October 1, 2016, Delta Geophysics (Delta) of Catasauqua, Pennsylvania conducted a geophysical survey under the supervision of Partner. The purpose of the geophysical survey was to (a) identify the location of former on-site tankholds and/or existing USTs, piping, and/or associated features, to (b) evaluate the floor drain configuration and discharge location, and to (c) additionally clear boring locations of utilities. The geophysical survey was conducted with a GSSI-SIR-3000 cart mounted ground penetrating radar (GPR) unit along with the GSSI-400 MHz antenna, a Radiodetection RD7000 precision utility locator, and/or a Fisher M-Scope TW-6 pipe and cable locator.

Delta systematically free-traversed the entire exterior with the aforementioned equipment. The equipment data were interpreted in real time and compiled as necessary in order to identify subsurface anomalies consistent with USTs, disturbed soil resembling backfilled tankholds, piping trenches, utility lines, and/or other subsurface conduits/features.

The geophysical survey identified an anomalous area, identified as a potential soil disturbance, to the northeast of the building. The area was identified by GPR transects which imaged a disturbance that represents a potential indicator of an excavation, and measured approximately 40 feet by 20 feet. Delta further traced two electric lines and three unknown utility lines to the area of the soil disturbance. Onsite personnel confirmed the former USTs were located where the soil disturbance was observed, and further mentioned the location of the former dispenser island. Partner did not observe any evidence of a former dispenser island, but an electric line was traced from the building to this location, ultimately terminating above the area of soil disturbance. GPR transects over this feature were limited due to dense vegetation. No additional signs of abandoned USTs or disturbed soil resembling backfilled tankholds were identified.

Investigation of the trench observed in the warehouse area determined the trench was not a drainage feature, but rather a conduit for ink and drain lines. The trench was cut out of the concrete slab after it was poured, and was lined with concrete on all sides. Upon further inspection, a drain line from a wash sink along with two copper ink lines ran through the trench. Delta further traced the ink and drain lines with the RD7000 and through visual inspection. The ink lines were traced towards the location of the former aboveground ink storage tank. The floor trench was traced through the wall to a large metal plate. According to onsite personnel, the metal plate covered a junction box. Another trench, originating at the location for the former aboveground ink storage tank, was also traced to the metal plate, and a drain line was also observed within the second trench. Partner and Delta were not permitted to open the metal plate to avoid disturbing the tenant leasing this portion of the warehouse. Visual inspection through gaps in the metal plate indicated that the apparent sump appeared to contain ink sludges and waste from former printing operations. Furthermore, the interior of the wash sink was heavily stained, likely from the disposal of printing wastes. The sump was located in a portion of the building that was not underlain with a basement.

Refer to Appendix B for a copy of the geophysical survey report and map, which provides additional details regarding the geophysical survey equipment and methodology along with the locations of the abovementioned features.

### **3.3 Drilling Equipment**

On October 1, 2016, Partner subcontracted with Hawk to provide and operate drilling equipment. Hawk, under the direction of Partner, advanced borings B1 through B8 with a track-mounted AMS Power Probe 9500 VTR direct push rig. Sampling equipment was decontaminated between sample intervals and boring locations to prevent cross-contamination.

### **3.4 Boring Locations**

Boring B1 was advanced south of the excavation; boring B2 was advanced in the southern portion of the excavation; boring B3 was advanced in the center of the excavation; boring B4 was advanced in the northern portion of the excavation; boring B5 was advanced to the west of the excavation, to the east of the former dispenser location; and boring B6 was advanced at the location of the former dispenser. Boring B7 and B8 were advanced interior of the eastern portion of the warehouse. B7 was advanced at the former printing press location, along the ink line trench, and B8 was advanced to the east of the sump pit, along the ink line trench. Boring placement was limited/modified due to utility conflicts. According to onsite maintenance personnel, Partner was not permitted to drill in the assumed down-gradient direction of the sump pit location, as this portion of the building is leased by a newspaper distributor. Refer to Figure 3 for a map indicating boring locations.

### **3.5 Soil Sampling**

Boring B1 was overlain by asphalt, which was penetrated directly by the core barrel. Borings B2 through B6 were overlain by gravel, which was penetrated directly by the core barrel. Borings B7 and B8 were overlain by concrete, which was cored with an electric hammer drill equipped with a three-inch diameter carbide tipped concrete core bit prior to the direct push rig advancing the core barrel. Boring B1 was advanced to 15 feet bgs; boring B2 was advanced to 15.5 feet bgs; borings B3 and B4 were advanced to 17 feet bgs;



borings B5, B7, and B8 were advanced to 20 feet bgs; and boring B6 was advanced to 18 feet bgs. Drilling refusal was encountered at boring locations B2, B3, B4, and B6.

Soil samples were collected using a five-foot long by 2.25-inch diameter MacroCore sampler with a five-foot long acetate liner, which was advanced by the direct-push drill rig using five-foot long by 2.25-inch diameter casing sections. The sampler was driven into the subsurface to allow undisturbed soil to enter the open MacroCore barrel and retrieved in five-foot intervals to recover the soil-filled liners.

A lengthwise section of each acetate liner was removed with a splitting tool to expose the soil. The soil column was visually inspected for discoloration, monitored for odors, and classified in accordance with the Unified Soil Classification System (USCS). Select intervals were placed in sealable plastic bags and field-screened with a photo-ionization detector (PID) calibrated to isobutylene. Elevated PID readings up to 538 parts per million (ppm) and a strong petroleum-like odor were detected in the soils recovered from boring location B4. Low level PID readings, less than 10 ppm, were detected in the soils recovered from boring locations B3 and B6, and a slight petroleum-like odor was detected in the soils recovered from boring location B3. Please refer to the boring logs in Appendix A for specific borings and depths where odor and/or elevated PID readings were observed.

Soils selected for laboratory analysis in borings B1 through B8 (RECs 1 and 2) were sampled directly from the liners using a disposable plastic syringe and retained in one methanol-preserved volatile organics analysis (VOA) vial and two unpreserved VOA vials containing deionized water in accordance with United States Environmental Protection Agency (EPA) Method 5035 sampling protocol for submittal of samples for EPA Method 8260 analysis. An additional sample at boring locations B7 and B8 (REC 1) was collected directly from the liners by transferring soil into a laboratory-supplied, four-ounce, wide-mouth, unpreserved glass jar, which was sealed with a threaded, Teflon-lined lid for submittal for EPA Method 8270 analysis, and into a laboratory-supplied, two-ounce, wide-mouth, unpreserved glass jar, which was sealed with a threaded, Teflon-lined lid for submittal for EPA Method 6010/7471 analysis. The jars were filled with soil to capacity to minimize headspace and reduce the potential for volatilization, and the jars and vials were labeled for identification and stored in an iced-cooler.

Soil samples were collected either from the location of highest observed PID readings or from directly above the groundwater interface (in lieu of elevated PID readings) in borings B1 through B6 (REC 2). Soil samples were collected from near the surface in the borings B7 and B8, which were advanced within the building (REC 1). Soil samples were collected from 12.5 to 13.0 feet bgs in boring B1; from 13.0 to 13.5 feet bgs in boring B2; from 12.0 to 12.5 feet bgs in boring B3; from 10.5 to 10.0 feet bgs in boring B4; from 15.5 to 16.0 feet bgs in boring B5; from 7.0 to 7.5 feet bgs in boring B6; and from 3.0 to 3.5 feet bgs in borings B7 and B8.

### **3.6 Groundwater Sampling**

After soil sampling to the terminal depth, groundwater samples were collected from boring locations B2 (REC 2), B4 (REC 2), B6 (REC 2), and B7 (REC 1) by withdrawing the drill rods from the subsurface and installing one-inch diameter temporary groundwater sampling points within the open boreholes. Each temporary groundwater sampling point consisted of a ten-foot long, 0.010-inch factory-slotted polyvinyl chloride (PVC) screen at the terminal end and blank PVC risers from the top of the screen interval to the ground surface. Partner attempted to collect a groundwater sample from boring location B8 due to its

close proximity to the sump pit; however, due to poor recharge resulting from tight clay layers, a groundwater sample was alternatively collected from boring B7.

Groundwater samples were retrieved from each temporary groundwater sampling point using a new Teflon™ bailer and conveyed into three hydrochloric acid-preserved VOA vials for submittal of samples for EPA Method 8260 analysis. An additional groundwater sample was collected from boring locations B2, B4, and B6 using a new Teflon™ bailer and conveyed into two unpreserved one-liter amber glass jars for submittal of samples for EPA Method 8270 select ion monitoring (SIM) analysis. Each vial and jar was filled with no observable headspace or air bubbles to minimize the potential for volatilization, labeled for identification, and stored in an iced cooler.

### **3.7 Post-Sampling Activities**

Core barrels and temporary groundwater sampling points were removed from the subsurface and the boreholes were backfilled with hydrated bentonite chips following sampling activities. Boreholes advanced in improved areas were capped with concrete or asphalt patch to match existing ground cover after being backfilled.

No significant amounts of derived wastes were generated during this investigation.

## 4.0 LABORATORY ANALYSIS

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### 4.1 Laboratory Analysis

Partner collected eight soil samples and four groundwater samples on October 1, 2016, which were transported on October 3, 2016 in an iced cooler under proper chain-of-custody protocol to Alpha Analytical (Alpha), a state-certified laboratory [Environmental Laboratory Accreditation Program (ELAP) certificate number 11148] in the City of Westborough, Massachusetts, for analysis. One soil sample from boring locations B1 through B6 (six soil samples total) was analyzed for VOCs in accordance with EPA Method 8260, and one soil sample from boring locations B7 and B8 (two soil samples total) was analyzed for VOCs in accordance with EPA Method 8260, for SVOCs in accordance with EPA Method 8270, and for priority pollutant metals in accordance with EPA Method 6010/7471. One groundwater sample from boring locations B2, B4, and B6 (three groundwater samples total) was analyzed for VOCs in accordance with EPA Method 8260 and for SVOCs in accordance with EPA Method 8270, and the groundwater sample from boring location B7 was analyzed for VOCs in accordance with EPA Method 8260.

### 4.2 Laboratory Analytical Results

Laboratory analytical results are included in Appendix C and discussed below.

#### 4.2.1 Soil Sample Analytical Results

As shown in Table 2, VOCs were detected at concentrations above the laboratory reporting limits (RLs) in the soil samples collected from borings B1 through B6 and B8. VOCs were not detected at concentrations above the laboratory RLs in the soil sample collected from boring B7.

SVOCs were not detected at concentrations above the laboratory RLs in the soil sample collected from borings B7 and B8.

Priority pollutant metals were detected at concentrations above the laboratory RLs in the soil sample collected from borings B7 and B8.

#### 4.2.2 Groundwater Sample Analytical Results

As shown in Table 3, VOCs were detected at concentrations above the laboratory RLs in the groundwater samples collected from borings B2, B4, B6, and B7.

SVOCs were detected at concentrations above the laboratory RLs in the groundwater samples collected from borings B4 and B6. SVOCs were not detected at concentrations above the laboratory RLs in the groundwater sample collected from boring B2.

## 5.0 DISCUSSION AND CONCLUSIONS

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### 5.1 Regulatory Agency Guidance

The soil analytical results were compared to:

- NYSDEC New York Unrestricted Use Criteria, which represents the most stringent NYSDEC criteria
- NYSDEC Groundwater Criteria, New York Restricted Use, which is the screening level for potential soil to groundwater leaching concerns
- NYSDEC Residential Criteria, New York Restricted Use, which is the soil to human direct contact criteria applicable to residential use
- NYSDEC Commercial Criteria, New York Restricted Use, which is the soil to human direct contact criteria applicable to commercial use and to the current subject property use
- NYSDEC Industrial Criteria, New York Restricted Use, which is the soil to human direct contact criteria applicable to industrial use

The groundwater analytical results were compared to:

- NYSDEC New York Technical & Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS)

### 5.2 Discussion

#### 5.2.1 REC 1 – Former Printing Operations

##### *Soils*

VOCs were detected at concentrations above the laboratory RLs but below the Unrestricted Use Criteria in the soil sample collected from boring B8. VOCs were not detected at concentrations above the laboratory RLs in the soil sample collected from boring B7.

SVOCs were not detected at concentrations above the laboratory RLs in the soil sample collected from borings B7 and B8.

Priority pollutant metals were detected at concentrations above the laboratory RLs in the soil sample collected from borings B7 and B8. Total chromium was detected at concentrations above the Unrestricted Use Criteria for hexavalent chromium in the soil samples collected from borings B7 (12 mg/kg) and B8 (12 mg/kg). Total chromium was detected at a concentration above the Protection of Ecological Resources Criteria but below the Groundwater Criteria and the Residential Criteria; however, because chromium was detected beneath the building there is no pathway to ecological resources and contingent analysis for hexavalent chromium is not required. The remaining priority pollutant metals were not detected at concentrations above the most stringent Unrestricted Use Criteria in the soil samples collected from borings B7 and B8.

##### *Groundwater*

VOCs were detected at concentrations above the laboratory RLs in the groundwater samples collected from boring B7. Cis-1,2-dichloroethene [11 micrograms per liter (µg/l)] was detected at a concentration above the AWQS in the groundwater sample collected from boring B7.

## **5.2.2 REC 2 – Former Gasoline USTs**

### *Soils*

VOCs were detected at concentrations above the laboratory RLs in the soil samples collected from borings B1 through B6. 1,2,4-trimethylbenzene [17 milligrams per kilogram (mg/kg)], benzene (1 mg/kg), ethylbenzene (6.1 mg/kg), and total xylenes (5.3 mg/kg) were detected at concentrations above both the Unrestricted Use Criteria and the Groundwater Criteria in the soil sample collected from boring B4. The remaining VOCs were not detected in borings B1 through B6 at concentrations above the most stringent Unrestricted Use Criteria.

### *Groundwater*

Various VOCs were detected at concentrations above the laboratory RLs in the groundwater samples collected from borings B2, B4, and B6. 1,2,4,5-tetramethylbenzene (77 µg/l), 1,2,4-trimethylbenzene (720 µg/l), 1,3,5-trimethylbenzene (18 µg/l), benzene (43 µg/l), ethylbenzene (340 µg/l), isopropylbenzene (30 µg/l), n-butylbenzene (21 µg/l), n-propylbenzene (87 µg/l), naphthalene (61 µg/l), o-xylene (20 µg/l), p/m-xylene (280 µg/l), and toluene (8.9 µg/l) were detected at concentrations above the AWQS in the groundwater sample collected from boring B4; benzene (1.3 µg/l), n-propylbenzene (9.7 µg/l), and p/m-xylene (5.6 µg/l) were detected at concentrations above the AWQS in the groundwater sample collected from boring B6; and cis-1,2-dichloroethene (11 µg/l) was detected at a concentration above the AWQS in the groundwater sample collected from boring B7. Several compounds from the soil samples corresponding to the groundwater samples (from the same borings), exceeded their respective soil to groundwater impact criteria indicating a probable on-site source for the groundwater impact.

Various SVOCs were detected at concentrations above the laboratory RLs in the groundwater samples collected from borings B4 and B6. Naphthalene (70 µg/l) was detected at a concentration above the AWQS in the groundwater sample collected from boring B4. The remaining SVOCs were not detected at concentrations above the AWQS in groundwater samples collected from borings B2, B4, and B6.

## **5.3 Summary and Conclusions**

Partner conducted a Phase II Subsurface Investigation at the subject property to identify the location of on-site USTs and/or former tankhold systems, evaluate the floor drain system, and to investigate the potential impact of VOCs, SVOCs, and/or metals to soil and groundwater as a consequence of a release or releases from the former printing operations and gasoline USTs. The scope of the Phase II Subsurface Investigation included a geophysical survey and the advancement of eight borings (B1 through B8) for the collection of representative soil and/or groundwater samples. Eight soil samples were analyzed for VOCs, two soil samples were analyzed for SVOCs and priority pollutant metals, four groundwater samples were analyzed for VOCs, and three groundwater samples were analyzed for SVOCs.

The geophysical survey identified an anomalous area, identified as a potential soil disturbance, to the northeast of the building. The area was identified by GPR transects which imaged a disturbance that represents a potential indicator of an excavation, and measured approximately 40 feet by 20 feet. Delta further traced two electric lines and three unknown utility lines to the area of the soil disturbance. Onsite personnel confirmed the former USTs were located where the soil disturbance was observed, and further mentioned the location of the former dispenser island. Partner did not observe any evidence of a former



dispenser island, but an electric line was traced from the building to this location, ultimately terminating above the area of soil disturbance. GPR transects over this feature were limited due to dense vegetation. No additional signs of abandoned USTs or disturbed soil resembling backfilled tankholds were identified.

Investigation of the trench observed in the warehouse area determined the trench was not a drainage feature, but rather a conduit for ink and drain lines. The trench was cut out of the concrete slab after it was poured, and was lined with concrete on all sides. Upon further inspection, a drain line from a wash sink along with two copper ink lines ran through the trench. Delta further traced the ink and drain lines with the RD7000 and through visual inspection. The ink lines were traced towards the location of the former aboveground ink storage tank. The floor trench was traced through the wall to a large metal plate. According to onsite personnel, the metal plate covered a junction box. Another trench, originating at the location for the former aboveground ink storage tank, was also traced to the metal plate, and a drain line was also observed within the second trench. Partner and Delta were not permitted to open the metal plate to avoid disturbing the tenant leasing this portion of the warehouse. Visual inspection through gaps in the metal plate indicated that the apparent sump appeared to contain ink sludges and waste from former printing operations. Furthermore, the interior of the wash sink was heavily stained, likely from the disposal of printing wastes. The sump was located in a portion of the building that was not underlain with a basement.

Borings advanced during this investigation determined the underlying subsurface consists predominantly of tan, tan/gray or gray clayey silt, tan, gray or tan/red clay, or tan medium sand with varying amounts of medium pebbles from the ground surface to approximately 20 feet bgs. Backfill material consisting of gray medium pebbles was encountered within the area of the excavation to a depth of approximately nine to 13.5 feet bgs.

Groundwater was encountered during this investigation between 12 and 19 feet bgs.

#### *REC 1 – Former Printing Operations*

VOCs, SVOCs, and priority pollutant metals were detected at concentrations above the laboratory RLs but below the Unrestricted Use Criteria in the soil samples collected from borings B7 and B8.

Cis-1,2-dichloroethene was detected at a concentration above the AWQS in the groundwater sample collected from boring B7.

Total chromium was detected at concentrations above the Unrestricted Use Criteria for hexavalent chromium in the soil samples collected from borings B7 (12 mg/kg) and B8 (12 mg/kg). Total chromium was detected at a concentration above the Protection of Ecological Resources Criteria but below the Groundwater Criteria and the Residential Criteria; however, because chromium was detected beneath the building there is no pathway to ecological resources and contingent analysis for hexavalent chromium is not required.

#### *REC 2 – Former Gasoline USTs*

1,2,4-trimethylbenzene, benzene, ethylbenzene, and total xylenes were detected at concentrations above both the Unrestricted Use Criteria and the Groundwater Criteria in the soil sample collected from boring B4.

1,2,4,5-tetramethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, isopropylbenzene, n-butylbenzene, n-propylbenzene, naphthalene, o-xylene, p/m-xylene, and toluene were detected at concentrations above the AWQS in the groundwater sample collected from boring B4; benzene, n-propylbenzene, and p/m-xylene were detected at concentrations above the AWQS in the groundwater sample collected from boring B6; and cis-1,2-dichloroethene was detected at a concentration above the AWQS in the groundwater sample collected from boring B7.

Naphthalene was detected at a concentration above the AWQS in the groundwater sample collected from boring B4.

Based on the Phase II Subsurface Investigation, there is evidence of a release of gasoline from the former onsite USTs to soil and groundwater beneath the subject property, and there is potential evidence of a release of hazardous materials from the former printing operations to groundwater beneath the subject property. Partner recommends further investigation and delineation of the soil and groundwater impacts observed in the area of the former USTs; further investigation of cis-1,2-dichloroethene detected in groundwater beneath the former printing operations; and further investigation of the sump observed within the former printing areas to determine if the sump has impacted soil and groundwater beneath the subject property.

## TABLES

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Table 1: Summary of Investigation Scope  
79 Hurley Avenue  
Kingston, New York 12401  
Partner Project Number 16-162670.6  
October 1, 2016

Boring Identification	Location	Terminal Depth (feet bgs)	Matrix Sampled	Sampling Depths (feet bgs)	Target Analytes
<b>B1</b>	South of the excavation	15.0	Soil	12.5 - 13.0	VOCs
<b>B2</b>	Southern portion of the excavation	15.5	Soil	13.0 - 13.5	VOCs
			Groundwater	Screened 5.5 to 15.5	VOCs and SVOCs
<b>B3</b>	Center of the excavation	17.0	Soil	12.0 - 12.5	VOCs
<b>B4</b>	Northern portion of the excavation	17.0	Soil	10.5 - 11.0	VOCs
			Groundwater	Screened 7.0 to 17.0	VOCs and SVOCs
<b>B5</b>	West of the excavation, to the east of the former dispenser location	20.0	Soil	15.5 to 16.0	VOCs
<b>B6</b>	At the location of the former dispenser	18.0	Soil	7.0 - 7.5	VOCs
			Groundwater	Screened 8.0 to 18.0	VOCs and SVOCs
<b>B7</b>	Former location of the printing press in the eastern portion of the warehouse, along the ink line trench	20.0	Soil	3.0 to 3.5	VOCs, SVOCs, Priority Pollutant Metals
			Groundwater	Screened 10.0 to 20.0	VOCs
<b>B8</b>	East of the sump pit, along the ink line trench	20.0	Soil	3.0 to 3.5	VOCs, SVOCs, Priority Pollutant Metals

Notes:

bgs = below ground surface

VOCs = volatile organic compounds via United States Environmental Protection Agency (EPA) Method 8260

SVOCs = semivolatile organic compounds via EPA Method 8270

Priority Pollutant Metals via EPA Method 6010/7471

Table 2: Soil Sample Laboratory Results Summary  
79 Hurley Avenue  
Kingston, New York 12401  
Partner Project Number 16-162670.6  
October 1, 2016

Analyte	NY-UNRES	NY-RESGW	NY-RESR	NY-RESC	NY-RESI	B1	B2	B3	B4	B5	B6	B7	B8
VOCs via EPA Method 8260 (mg/kg)													
1,1,1-Trichloroethane	0.68	0.68	100	500	1000	< 0.00093	< 0.00093	< 0.00099	< 1.4	< 0.00093	< 0.00088	< 0.00088	< 0.00084
1,1,2,2-Tetrachloroethane	NE	0.6	35	NE	NE	< 0.00093	< 0.00093	< 0.00099	< 1.4	< 0.00093	< 0.00088	< 0.00088	< 0.00084
1,1-Dichloroethane	0.27	0.27	19	240	480	< 0.0014	< 0.0014	< 0.0015	< 2.1	< 0.0014	< 0.0013	< 0.0013	< 0.0013
1,1-Dichloroethene	0.33	0.33	100	500	1000	< 0.00093	< 0.00093	< 0.00099	< 1.4	< 0.00093	< 0.00088	< 0.00088	< 0.00084
1,2,3-Trichloropropane	NE	0.34	80	NE	NE	< 0.0093	< 0.0093	< 0.0099	< 14	< 0.0093	< 0.0088	< 0.0088	< 0.0084
1,2,4,5-Tetramethylbenzene	NE	NE	NE	NE	NE	< 0.0037	< 0.0037	0.025	5.2 J	< 0.0037	< 0.0035	< 0.0035	< 0.0034
1,2,4-Trichlorobenzene	NE	3.4	NE	NE	NE	< 0.0046	< 0.0046	< 0.005	< 7	< 0.0047	< 0.0044	< 0.0044	< 0.0042
1,2,4-Trimethylbenzene	3.6	3.6	47	190	380	< 0.0046	< 0.0046	0.012	17	< 0.0047	< 0.0044	< 0.0044	< 0.0042
1,2-Dichlorobenzene	1.1	1.1	100	500	1000	< 0.0046	< 0.0046	< 0.005	< 7	< 0.0047	< 0.0044	< 0.0044	< 0.0042
1,2-Dichloroethane	0.02	0.02	2.3	30	60	< 0.00093	< 0.00093	< 0.00099	< 1.4	< 0.00093	< 0.00088	< 0.00088	< 0.00084
1,3,5-Trimethylbenzene	8.4	8.4	47	190	380	< 0.0046	< 0.0046	0.027	0.43 J	< 0.0047	< 0.0044	< 0.0044	< 0.0042
1,3-Dichlorobenzene	2.4	2.4	17	280	560	< 0.0046	< 0.0046	< 0.005	< 7	< 0.0047	< 0.0044	< 0.0044	< 0.0042
1,3-Dichloropropane	NE	0.3	NE	NE	NE	< 0.0046	< 0.0046	< 0.005	< 7	< 0.0047	< 0.0044	< 0.0044	< 0.0042
1,4-Dichlorobenzene	1.8	1.8	9.8	130	250	< 0.0046	< 0.0046	< 0.005	< 7	< 0.0047	< 0.0044	< 0.0044	< 0.0042
1,4-Dioxane	0.1	0.1	9.8	130	250	< 0.093	< 0.093	< 0.099	< 140	-	< 0.088	< 0.088	< 0.084
2-Butanone	0.12	0.12	100	500	1000	< 0.0093	< 0.0093	< 0.0099	< 14	< 0.0093	< 0.0088	< 0.0088	0.0033 J
4-Methyl-2-pentanone	NE	1	NE	NE	NE	< 0.0093	< 0.0093	< 0.0099	< 14	< 0.0093	< 0.0088	< 0.0088	< 0.0084
Acetone	0.05	0.05	100	500	1000	< 0.0093	< 0.0093	0.019	< 14	< 0.0093	0.019	< 0.0088	0.021
Benzene	0.06	0.06	2.9	44	89	< 0.00093	< 0.00093	0.001	1 J	< 0.00093	< 0.00088	< 0.00088	< 0.00084
Carbon disulfide	NE	2.7	100	NE	NE	< 0.0093	< 0.0093	< 0.0099	< 14	< 0.0093	< 0.0088	< 0.0088	< 0.0084
Carbon tetrachloride	0.76	0.76	1.4	22	44	< 0.00093	< 0.00093	< 0.00099	< 1.4	< 0.00093	< 0.00088	< 0.00088	< 0.00084
Chlorobenzene	1.1	1.1	100	500	1000	< 0.00093	< 0.00093	< 0.00099	< 1.4	< 0.00093	< 0.00088	< 0.00088	< 0.00084
Chloroethane	NE	1.9	NE	NE	NE	< 0.0018	< 0.0018	< 0.002	< 2.8	< 0.0019	< 0.0018	< 0.0018	< 0.0017
Chloroform	0.37	0.37	10	350	700	< 0.0014	< 0.0014	< 0.0015	< 2.1	< 0.0014	< 0.0013	< 0.0013	< 0.0013
cis-1,2-Dichloroethene	0.25	0.25	59	500	1000	< 0.00093	< 0.00093	< 0.00099	< 1.4	< 0.00093	< 0.00088	< 0.00088	< 0.00084
Ethyl ether	NE	NE	NE	NE	NE	< 0.0046	< 0.0046	< 0.005	< 7	0.0013 J	< 0.0044	< 0.0044	< 0.0042
Ethylbenzene	1	1	30	390	780	< 0.00093	< 0.00093	0.079	6.1	0.00016 J	< 0.00088	< 0.00088	< 0.00084
Isopropylbenzene	NE	2.3	100	NE	NE	< 0.00093	< 0.00093	0.01	0.83 J	< 0.00093	< 0.00088	< 0.00088	< 0.00084
Methyl tert butyl ether	0.93	0.93	62	500	1000	0.0038	0.0015 J	0.0028	< 2.8	0.00061 J	< 0.0018	< 0.0018	< 0.0017
Methylene chloride	0.05	0.05	51	500	1000	< 0.0093	< 0.0093	< 0.0099	< 14	< 0.0093	< 0.0088	< 0.0088	< 0.0084
n-Butylbenzene	12	12	100	500	1000	< 0.00093	< 0.00093	0.0066	2.2	< 0.00093	< 0.00088	< 0.00088	< 0.00084
n-Propylbenzene	3.9	3.9	100	500	1000	< 0.00093	< 0.00093	0.032	3	< 0.00093	< 0.00088	< 0.00088	< 0.00084
NEphtalene	12	12	100	500	1000	< 0.0046	< 0.0046	0.079	1.9 J	0.00061 J	< 0.0044	< 0.0044	< 0.0042
o-Xylene	NE	NE	NE	NE	NE	< 0.0018	< 0.0018	0.00081 J	0.54 J	< 0.0019	< 0.0018	< 0.0018	< 0.0017
p-Diethylbenzene	NE	NE	NE	NE	NE	< 0.0037	< 0.0037	0.0054	3 J	< 0.0037	< 0.0035	< 0.0035	< 0.0034
p-Ethyltoluene	NE	NE	NE	NE	NE	< 0.0037	< 0.0037	0.017	6.2	< 0.0037	< 0.0035	< 0.0035	< 0.0034
p-Isopropyltoluene	NE	10	NE	NE	NE	< 0.00093	< 0.00093	0.00099	0.45 J	< 0.00093	< 0.00088	< 0.00088	< 0.00084
p/m-Xylene	NE	NE	NE	NE	NE	< 0.0018	< 0.0018	0.0099	4.8	< 0.0019	< 0.0018	< 0.0018	< 0.0017
sec-Butylbenzene	11	11	100	500	1000	< 0.00093	< 0.00093	0.0024	0.57 J	< 0.00093	< 0.00088	< 0.00088	< 0.00084
tert-Butylbenzene	5.9	5.9	100	500	1000	< 0.0046	< 0.0046	< 0.005	< 7	< 0.0047	< 0.0044	< 0.0044	< 0.0042
Tetrachloroethene	1.3	1.3	5.5	150	300	< 0.00093	< 0.00093	< 0.00099	< 1.4	< 0.00093	< 0.00088	< 0.00088	< 0.00084
Toluene	0.7	0.7	100	500	1000	< 0.0014	< 0.0014	0.00019 J	0.4 J	< 0.0014	< 0.0013	< 0.0013	< 0.0013
trans-1,2-Dichloroethene	0.19	0.19	100	500	1000	< 0.0014	< 0.0014	< 0.0015	< 2.1	< 0.0014	< 0.0013	< 0.0013	< 0.0013
Trichloroethene	0.47	0.47	10	200	400	< 0.00093	< 0.00093	< 0.00099	< 1.4	< 0.00093	< 0.00088	< 0.00088	< 0.00084
Vinyl chloride	0.02	0.02	0.21	13	27	< 0.0018	< 0.0018	< 0.002	< 2.8	< 0.0019	< 0.0018	< 0.0018	< 0.0017
Xylenes, Total	0.26	1.6	100	500	1000	< 0.0018	< 0.0018	0.011 J	5.3 J	< 0.0019	< 0.0018	< 0.0018	< 0.0017



Table 2: Soil Sample Laboratory Results Summary

79 Hurley Avenue

Kingston, New York 12401

Partner Project Number 16-162670.6

October 1, 2016

Analyte	NY-UNRES	NY-RESGW	NY-RESR	NY-RESC	NY-RESI	B1	B2	B3	B4	B5	B6	B7	B8
<b>SVOCs via EPA Method 8270 (mg/kg)</b>													
<b>2,4,5-Trichlorophenol</b>	NE	<b>0.1</b>	<b>100</b>	NE	NE	-	-	-	-	-	-	< 0.19	< 0.19
<b>2,4-Dinitrophenol</b>	NE	<b>0.2</b>	<b>100</b>	NE	NE	-	-	-	-	-	-	< 0.93	< 0.92
<b>2,6-Dinitrotoluene</b>	NE	<b>0.17</b>	<b>1.03</b>	NE	NE	-	-	-	-	-	-	< 0.19	< 0.19
<b>2-Nitrophenol</b>	NE	<b>0.3</b>	NE	NE	NE	-	-	-	-	-	-	< 0.42	< 0.41
<b>4-Nitrophenol</b>	NE	<b>0.1</b>	NE	NE	NE	-	-	-	-	-	-	< 0.27	< 0.27
<b>Nitrobenzene</b>	NE	<b>0.17</b>	<b>3.7</b>	<b>69</b>	<b>140</b>	-	-	-	-	-	-	< 0.17	< 0.17
<b>Priority Pollutant Metals via 6010/7471 (mg/kg)</b>													
<b>Arsenic, Total</b>	<b>13</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	-	-	-	-	-	-	6	6.2
<b>Beryllium, Total</b>	<b>7.2</b>	<b>47</b>	<b>14</b>	<b>590</b>	<b>2700</b>	-	-	-	-	-	-	0.29	0.29
<b>Chromium, Total*</b>	<b>1</b>	<b>19</b>	<b>22</b>	<b>400</b>	<b>800</b>	-	-	-	-	-	-	<b>12</b>	<b>12</b>
<b>Copper, Total</b>	<b>50</b>	<b>1720</b>	<b>270</b>	<b>270</b>	<b>10000</b>	-	-	-	-	-	-	16	16
<b>Lead, Total</b>	<b>63</b>	<b>450</b>	<b>400</b>	<b>1000</b>	<b>3900</b>	-	-	-	-	-	-	9	9.9
<b>Mercury, Total</b>	<b>0.18</b>	<b>0.73</b>	<b>0.81</b>	<b>2.8</b>	<b>5.7</b>	-	-	-	-	-	-	0.02 J	0.03 J
<b>Nickel, Total</b>	<b>30</b>	<b>130</b>	<b>140</b>	<b>310</b>	<b>10000</b>	-	-	-	-	-	-	18	18
<b>Zinc, Total</b>	<b>109</b>	<b>2480</b>	<b>2200</b>	<b>10000</b>	<b>10000</b>	-	-	-	-	-	-	44	44

## Notes:

VOCs = volatile organic compounds

SVOCs = semivolatile organic compounds

EPA = United States Environmental Protection Agency

mg/kg = milligrams per kilogram

&lt; = not detected above indicated laboratory Reporting Limit (RL)

J = detected below laboratory RLs

NE = not established

Values in bold exceed one or more regulatory guidelines

RL exceeds one or more regulatory guidelines

NY-UNRES: New York Unrestricted use Criteria current as of 5/2007

NY-RESGW: Groundwater Criteria, New York Restricted use current as of 5/2007

NY-RESR: Residential Criteria, New York Restricted use current as of 5/2007

NY-RESC: Commercial Criteria, New York Restricted use current as of 5/2007

NY-RESI: Industrial Criteria, New York Restricted use current as of 5/2007

Table 3: Groundwater Sample Laboratory Results Summary

79 Hurley Avenue

Kingston, New York 12401

Partner Project Number 16-162670.6

October 1, 2016

Analyte	NY-AWQS	B2-GW	B4-GW	B6-GW	B7-GW
<i>VOCs via EPA Method 8260 (µg/l)</i>					
<b>1,1,1,2-Tetrachloroethane</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>1,1,1-Trichloroethane</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>1,1,2,2-Tetrachloroethane</b>	<b>5</b>	< 0.5	< 5	< 0.5	< 0.5
<b>1,1,2-Trichloroethane</b>	<b>1</b>	< 1.5	< 15	< 1.5	< 1.5
<b>1,1-Dichloroethane</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>1,1-Dichloroethene</b>	<b>5</b>	< 0.5	< 5	< 0.5	< 0.5
<b>1,1-Dichloropropene</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>1,2,3-Trichlorobenzene</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>1,2,3-Trichloropropane</b>	<b>0.04</b>	< 2.5	< 25	< 2.5	< 2.5
<b>1,2,4,5-Tetramethylbenzene</b>	<b>5</b>	< 2	<b>77</b>	1.7 J	0.58 J
<b>1,2,4-Trichlorobenzene</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>1,2,4-Trimethylbenzene</b>	<b>5</b>	< 2.5	<b>720</b>	3	< 2.5
<b>1,2-Dibromo-3-chloropropane</b>	<b>0.04</b>	< 2.5	< 25	< 2.5	< 2.5
<b>1,2-Dibromoethane</b>	<b>0.0006</b>	< 2	< 20	< 2	< 2
<b>1,2-Dichlorobenzene</b>	<b>3</b>	< 2.5	< 25	< 2.5	< 2.5
<b>1,2-Dichloroethane</b>	<b>0.6</b>	< 0.5	< 5	< 0.5	< 0.5
<b>1,2-Dichloroethene, Total</b>	<b>NE</b>	< 2.5	< 25	< 2.5	12 J
<b>1,2-Dichloropropane</b>	<b>1</b>	< 1	< 10	< 1	< 1
<b>1,3,5-Trimethylbenzene</b>	<b>5</b>	< 2.5	<b>18 J</b>	2 J	< 2.5
<b>1,3-Dichlorobenzene</b>	<b>3</b>	< 2.5	< 25	< 2.5	< 2.5
<b>1,3-Dichloropropane</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>1,4-Dichlorobenzene</b>	<b>3</b>	< 2.5	< 25	< 2.5	< 2.5
<b>2,2-Dichloropropane</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>2-Butanone</b>	<b>50</b>	< 5	< 50	< 5	< 5
<b>2-Hexanone</b>	<b>50</b>	< 5	< 50	< 5	< 5
<b>Acetone</b>	<b>50</b>	< 5	< 50	7.1	2.3 J
<b>Acrylonitrile</b>	<b>5</b>	< 5	< 50	< 5	< 5
<b>Benzene</b>	<b>1</b>	< 0.5	<b>43</b>	<b>1.3</b>	0.19 J
<b>Bromobenzene</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>Bromochloromethane</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>Bromomethane</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>Carbon tetrachloride</b>	<b>5</b>	< 0.5	< 5	< 0.5	< 0.5
<b>Chlorobenzene</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>Chloroethane</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>Chloroform</b>	<b>7</b>	< 2.5	< 25	< 2.5	< 2.5
<b>cis-1,2-Dichloroethene</b>	<b>5</b>	< 2.5	< 25	< 2.5	<b>11</b>
<b>cis-1,3-Dichloropropene</b>	<b>0.4</b>	< 0.5	< 5	< 0.5	< 0.5
<b>Dibromomethane</b>	<b>5</b>	< 5	< 50	< 5	< 5
<b>Dichlorodifluoromethane</b>	<b>5</b>	< 5	< 50	< 5	< 5
<b>Ethylbenzene</b>	<b>5</b>	< 2.5	<b>340</b>	< 2.5	< 2.5
<b>Hexachlorobutadiene</b>	<b>0.5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>Isopropylbenzene</b>	<b>5</b>	< 2.5	<b>30</b>	4	< 2.5
<b>Methyl tert butyl ether</b>	<b>10</b>	3	< 25	8.8	< 2.5
<b>Methylene chloride</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>n-Butylbenzene</b>	<b>5</b>	< 2.5	<b>21 J</b>	< 2.5	< 2.5
<b>n-Propylbenzene</b>	<b>5</b>	< 2.5	<b>87</b>	<b>9.7</b>	< 2.5
<b>Naphthalene</b>	<b>10</b>	< 2.5	<b>61</b>	6.4	1.2 J
<b>o-Chlorotoluene</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>o-Xylene</b>	<b>5</b>	< 2.5	<b>20 J</b>	2.8	< 2.5
<b>p-Chlorotoluene</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>p-Diethylbenzene</b>	<b>NE</b>	< 2	24	1.3 J	< 2
<b>p-Ethyltoluene</b>	<b>NE</b>	< 2	230	< 2	< 2
<b>p-Isopropyltoluene</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>p/m-Xylene</b>	<b>5</b>	< 2.5	<b>280</b>	<b>5.6</b>	< 2.5
<b>sec-Butylbenzene</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>Styrene</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>tert-Butylbenzene</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>Tetrachloroethene</b>	<b>5</b>	< 0.5	< 5	< 0.5	< 0.5
<b>Toluene</b>	<b>5</b>	< 2.5	<b>8.9 J</b>	1 J	< 2.5
<b>trans-1,2-Dichloroethene</b>	<b>5</b>	< 2.5	< 25	< 2.5	1.2 J
<b>trans-1,3-Dichloropropene</b>	<b>0.4</b>	< 0.5	< 5	< 0.5	< 0.5
<b>trans-1,4-Dichloro-2-butene</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>Trichloroethene</b>	<b>5</b>	< 0.5	< 5	< 0.5	< 0.5
<b>Trichlorofluoromethane</b>	<b>5</b>	< 2.5	< 25	< 2.5	< 2.5
<b>Vinyl chloride</b>	<b>2</b>	< 1	< 10	< 1	0.27 J
<b>Xylenes, Total</b>	<b>NE</b>	< 2.5	300 J	8.4	< 2.5

Table 3: Groundwater Sample Laboratory Results Summary

79 Hurley Avenue

Kingston, New York 12401

Partner Project Number 16-162670.6

October 1, 2016

Analyte	NY-AWQS	B2-GW	B4-GW	B6-GW	B7-GW
<b>SVOCs via EPA Method 8270 (µg/l)</b>					
<b>1,2,4,5-Tetrachlorobenzene</b>	<b>5</b>	< 10	< 10	< 10	-
<b>1,2,4-Trichlorobenzene</b>	<b>5</b>	< 5	< 5	< 5	-
<b>2,4-Dichlorophenol</b>	<b>1</b>	< 5	< 5	< 5	-
<b>2,4-Dinitrophenol</b>	<b>10</b>	< 20	< 20	< 20	-
<b>2,4-Dinitrotoluene</b>	<b>5</b>	< 5	< 5	< 5	-
<b>2,6-Dinitrotoluene</b>	<b>5</b>	< 5	< 5	< 5	-
<b>2-Nitroaniline</b>	<b>5</b>	< 5	< 5	< 5	-
<b>3,3'-Dichlorobenzidine</b>	<b>5</b>	< 5	< 5	< 5	-
<b>3-Nitroaniline</b>	<b>5</b>	< 5	< 5	< 5	-
<b>4-Chloroaniline</b>	<b>5</b>	< 5	< 5	< 5	-
<b>4-Nitroaniline</b>	<b>5</b>	< 5	< 5	< 5	-
<b>Bis(2-chloroethoxy)methane</b>	<b>5</b>	< 5	< 5	< 5	-
<b>Bis(2-chloroethyl)ether</b>	<b>1</b>	< 2	< 2	< 2	-
<b>Carbazole</b>	<b>NE</b>	< 2	1.9 J	< 2	-
<b>Hexachlorocyclopentadiene</b>	<b>5</b>	< 20	< 20	< 20	-
<b>Nitrobenzene</b>	<b>0.4</b>	< 2	< 2	< 2	-
<b>Phenol</b>	<b>1</b>	< 5	< 5	< 5	-
<b>SVOCs via EPA Method 8270 SIM (µg/l)</b>					
<b>2-Methylnaphthalene</b>	<b>NE</b>	< 0.2	30	0.49	-
<b>Acenaphthene</b>	<b>20</b>	< 0.1	0.64 J	< 0.1	-
<b>Anthracene</b>	<b>50</b>	< 0.2	0.49 J	< 0.2	-
<b>Benzo(a)anthracene</b>	<b>NE</b>	< 0.2	0.38 J	< 0.2	-
<b>Benzo(a)pyrene</b>	<b>0.002</b>	< 0.2	< 2	< 0.2	-
<b>Benzo(b)fluoranthene</b>	<b>0.002</b>	< 0.2	< 2	< 0.2	-
<b>Benzo(k)fluoranthene</b>	<b>0.002</b>	< 0.2	< 2	< 0.2	-
<b>Chrysene</b>	<b>0.002</b>	< 0.2	< 2	< 0.2	-
<b>Fluoranthene</b>	<b>50</b>	< 0.2	1.5 J	< 0.2	-
<b>Fluorene</b>	<b>50</b>	< 0.2	0.92 J	< 0.2	-
<b>Hexachlorobenzene</b>	<b>0.04</b>	< 0.8	< 8	< 0.8	-
<b>Hexachlorobutadiene</b>	<b>0.5</b>	< 0.5	< 5	< 0.5	-
<b>Hexachloroethane</b>	<b>5</b>	< 0.8	< 8	< 0.8	-
<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.002</b>	< 0.2	< 2	< 0.2	-
<b>Naphthalene</b>	<b>10</b>	< 0.2	<b>70</b>	6.9	-
<b>Pentachlorophenol</b>	<b>1</b>	< 0.8	< 8	< 0.8	-
<b>Phenanthrene</b>	<b>50</b>	< 0.2	2.4	< 0.2	-
<b>Pyrene</b>	<b>50</b>	< 0.2	1 J	< 0.2	-

Notes:

VOCs = volatile organic compounds

SVOCs = semivolatile organic compounds

SIM = select ion monitoring

EPA = United States Environmental Protection Agency

µg/l = micrograms per liter

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

&lt; = not detected above indicated laboratory Reporting Limit (RL)

J = detected below laboratory PQLs

NE = not established

Values in **bold** exceed AWQS

RL exceeds AWQS

## FIGURES

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**PARTNER**

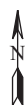


**PARTNER**

10 Mountain View Road, Suite 218 North  
Upper Saddle River, New Jersey 07458

Project Number: 16-162670.6

### Legend



Subject Site

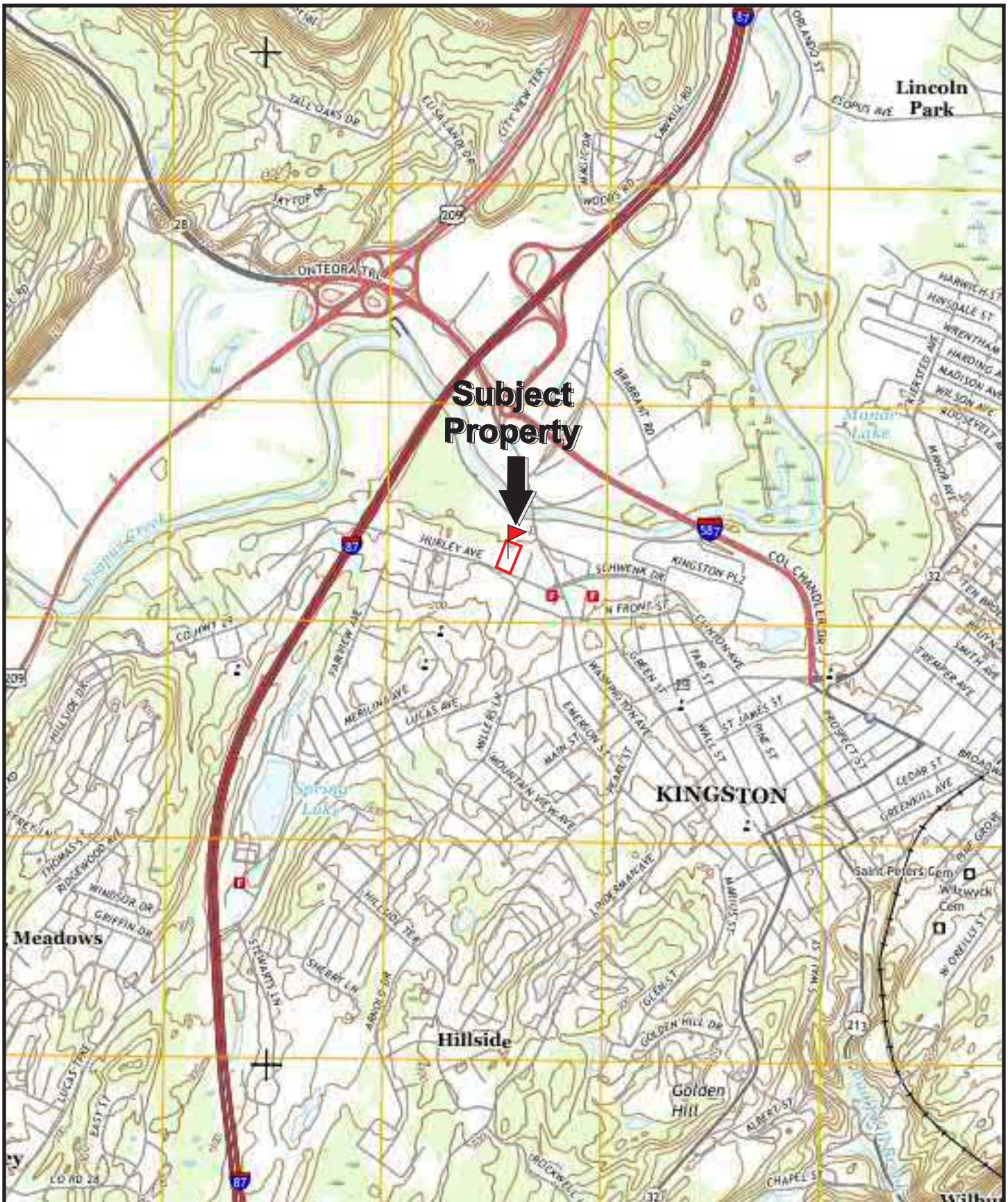


### Site Vicinity Map

Figure	Prepared By	Date
1	C. Niedzwiecki	October 2016

79 Hurley Avenue  
Kingston, New York 12401

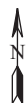




**PARTNER**

10 Mountain View Road, Suite 218 North  
Upper Saddle River, New Jersey 07458

Project Number: 16-162670.6



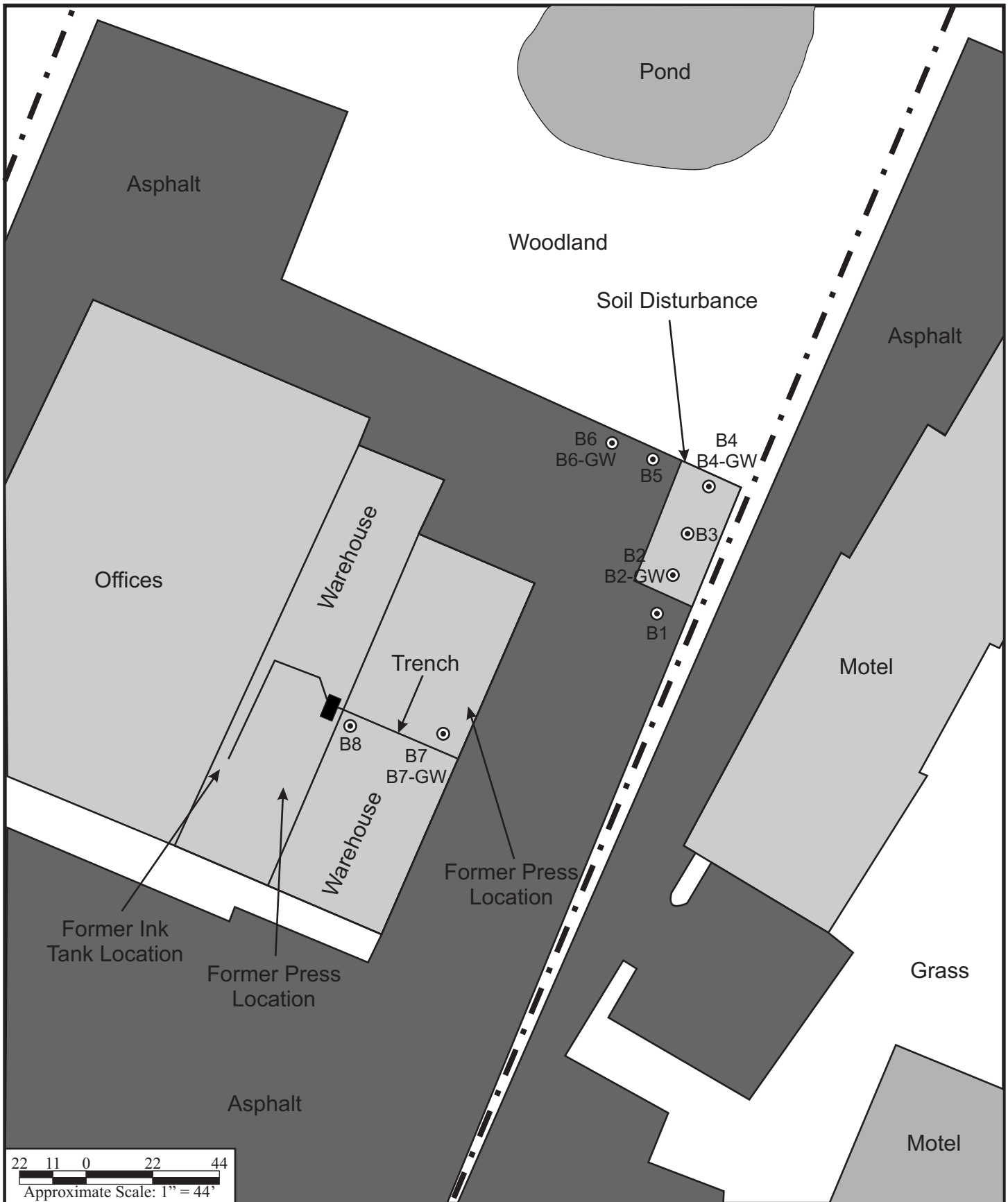
USGS Kingston West, New York Quadrangle  
Version: 2016

## Topographic Map

Figure	Prepared By	Date
2	C. Niedzwiecki	October 2016

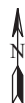
79 Hurley Avenue  
Kingston, New York 12401





22 11 0 22 44  
Approximate Scale: 1" = 44'

**PARTNER**  
10 Mountain View Road, Suite 218 North  
Upper Saddle River, New Jersey 07458  
Project Number: 16-162670.6



Subject Site

Boring Location

### Legend



### Sample Location Map

Figure	Prepared By	Date
3	C. Niedzwiecki	October 2016

79 Hurley Avenue  
Kingston, New York 12401

## APPENDIX A: BORING LOGS

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Boring Number:		B1			Page 1 of 1	
Location:		South of the excavation			Date Started:	10/1/2016
Site Address:		79 Hurley Avenue			Date Completed:	10/1/2016
		Kingston, New York 12401			Depth to Groundwater:	13
Project Number:		16-162670.6			Field Technician:	Chris Niedzwiecki
Drill Rig Type:		AMS Powerprobe 9500 VTR			Partner Assessment Corporation	
Sampling Equipment:		5.0 foot MacroCore			10 Mountain View Road, Suite 218 North	
Borehole Diameter:		2.25 inch			Upper Saddle River, New Jersey 07458	
Depth	Sample	PID	USCS	Description	Notes	
1	B1	0.0	N/A	Gray medium pebbles; dry	Boring was overlain by asphalt	
2		0.0			2.0 feet recovery; no odor/staining	
3		0.0				
4		0.0				
5		0.0				
6		0.0				
7		0.0				
8		0.0				
9		0.0				
10		0.0				
11		0.0	Gray medium pebbles; very moist	Soil sample B1 was collected from 12.5 to 13.0 feet bgs at 921 for VOC analysis		
12		0.0				
13		0.0				
14		0.0	ML		Tan/gray clayey silt; wet	3.0 feet recovery; no odor/staining
15		0.0				
16				Boring was terminated at 15.0 feet bgs		
17						
18						
19						
20						
21						
22						
23						
24						
25						

Boring Number:		B2			Page 1 of 1	
Location:		Southern portion of the excavation			Date Started:	10/1/2016
Site Address:		79 Hurley Avenue			Date Completed:	10/1/2016
		Kingston, New York 12401			Depth to Groundwater:	13.5
Project Number:		16-162670.6			Field Technician:	Chris Niedzwiecki
Drill Rig Type:		AMS Powerprobe 9500 VTR			Partner Assessment Corporation	
Sampling Equipment:		5.0 foot MacroCore			10 Mountain View Road, Suite 218 North	
Borehole Diameter:		2.25 inch			Upper Saddle River, New Jersey 07458	
Depth	Sample	PID	USCS	Description	Notes	
1	B2	0.0	N/A	Gray medium pebbles; dry	Boring was overlain by gravel	
2		0.0			2.0 feet recovery; no odor/staining	
3		0.0				
4		0.0				
5		0.0				
6		0.0				
7		0.0				
8		0.0				
9		0.0				
10		0.0				
11		0.0				
12		0.0				
13		0.0				
14		0.0	ML	Tan clayey silt; wet	Soil sample B2 was collected from 13.0 to 13.5 feet bgs at 943 for VOC analysis	
15		0.0			0.5 feet recovery; no odor/staining	
16				Refusal encountered at 15.5 feet bgs		
17				A temporary groundwater sampling point, screened from 5.5 to 15.5 feet bgs was installed in boring B2. Groundwater sample B2-GW was collected at 1109 for VOC and SVOC analysis		
18						
19						
20						
21						
22						
23						
24						
25						

Boring Number:		<b>B3</b>			Page 1 of 1	
Location:		Center of the excavation			Date Started:	10/1/2016
Site Address:		79 Hurley Avenue			Date Completed:	10/1/2016
		Kingston, New York 12401			Depth to Groundwater:	13
Project Number:		16-162670.6			Field Technician:	Chris Niedzwiecki
Drill Rig Type:		AMS Powerprobe 9500 VTR			<b>Partner Assessment Corporation</b>	
Sampling Equipment:		5.0 foot MacroCore			10 Mountain View Road, Suite 218 North	
Borehole Diameter:		2.25 inch			Upper Saddle River, New Jersey 07458	
Depth	Sample	PID	USCS	Description	Notes	
1	<b>B3</b>	0.0	N/A	Gray medium pebbles; dry	Boring was overlain by asphalt	
2		0.0			2.0 feet recovery; no odor/staining	
3		0.0				
4		0.0				
5		0.0				
6		0.0				
7		0.0			1.0 feet recovery; no odor/staining	
8		0.0				
9		0.0				
10		0.0				
11		0.0	CL	Gray medium pebbles; very moist	Soil sample B3 was collected from 12.0 to 12.5 feet bgs at 1000 for VOC analysis	
12		9.2				
13		6.4		Tan clay; moist		
14		1.2	ML	Tan clayey silt; wet	3.0 feet recovery; mild petroleum-like odor observed from 12-14 feet bgs	
15		0.0				
16		0.0			1.0 feet recovery; no odor/staining	
17		0.0				
18				Refusal encountered at 17.0 feet bgs		
19						
20						
21						
22						
23						
24						
25						

Boring Number:		B4			Page 1 of 1	
Location:		Northern portion of the excavation			Date Started:	10/1/2016
Site Address:		79 Hurley Avenue			Date Completed:	10/1/2016
		Kingston, New York 12401			Depth to Groundwater:	13
Project Number:		16-162670.6			Field Technician:	Chris Niedzwiecki
Drill Rig Type:		AMS Powerprobe 9500 VTR			Partner Assessment Corporation	
Sampling Equipment:		5.0 foot MacroCore			10 Mountain View Road, Suite 218 North	
Borehole Diameter:		2.25 inch			Upper Saddle River, New Jersey 07458	
Depth	Sample	PID	USCS	Description	Notes	
1	B4	0.0	N/A	Gray medium pebbles; dry	Boring was overlain by gravel	
2		0.0			3.0 feet recovery; no odor/staining	
3		0.0				
4		0.0				
5		0.0				
6		7.1				
7		7.4				
8		8.9				
9		6.5				
10		6.1				
11		538.0	CH	Tan/red clay; moist	Soil sample B4 was collected from 10.5 to 11.0 feet bgs at 1117 for VOC analysis	
12		16.5			3.0 feet recovery; strong petroleum-like odor from 10.0 to 14.0 feet bgs	
13		34.7				
14		5.7				
15		0.5				
16		0.1		Tan/red clay; wet		1.5 feet recovery; no odor/staining
17		0.0				
18				Refusal encountered at 17.0 feet bgs	A temporary groundwater sampling point, screened from 7.0 to 17.0 feet bgs was installed in boring B4. Groundwater sample B4-GW was collected at 1117 for VOC and SVOC analysis	
19						
20						
21						
22						
23						
24						
25						



Boring Number:		B5			Page 1 of 1	
Location:		West of the excavation, to the east of the former dispenser location			Date Started:	10/1/2016
Site Address:		79 Hurley Avenue			Date Completed:	10/1/2016
		Kingston, New York 12401			Depth to Groundwater:	16
Project Number:		16-162670.6			Field Technician:	Chris Niedzwiecki
Drill Rig Type:		AMS Powerprobe 9500 VTR			Partner Assessment Corporation	
Sampling Equipment:		5.0 foot MacroCore			10 Mountain View Road, Suite 218 North	
Borehole Diameter:		2.25 inch			Upper Saddle River, New Jersey 07458	
Depth	Sample	PID	USCS	Description	Notes	
1	B5	0.0	SM	Brown sandy silt with concrete and medium pebbles; dry	Boring was overlain by gravel	
2		0.0			3.5 feet recovery; no odor/staining	
3		0.0				
4		0.0				
5		0.0	Tan clay; moist	1.75 feet recovery; no odor/staining		
6		0.0				
7		0.0				
8		0.0				
9		0.0				
10		0.0				
11		0.0				
12		0.0			2.0 feet recovery; no odor/staining	
13		0.0				
14		0.0				
15		0.0				
16		0.0		Soil sample B5 was collected from 15.5 to 16.0 feet bgs at 1029 for VOC analysis		
17		0.0	0.75 feet recovery; no odor/staining			
18		0.0				
19		0.0				
20		0.0				
21				Boring was terminated at 20.0 feet bgs		
22						
23						
24						
25						

Boring Number:		B6			Page 1 of 1	
Location:		At the location of the former dispenser			Date Started:	10/1/2016
Site Address:		79 Hurley Avenue			Date Completed:	10/1/2016
		Kingston, New York 12401			Depth to Groundwater:	12
Project Number:		16-162670.6			Field Technician:	Chris Niedzwiecki
Drill Rig Type:		AMS Powerprobe 9500 VTR			Partner Assessment Corporation	
Sampling Equipment:		5.0 foot MacroCore			10 Mountain View Road, Suite 218 North	
Borehole Diameter:		2.25 inch			Upper Saddle River, New Jersey 07458	
Depth	Sample	PID	USCS	Description	Notes	
1	B6	0.0	ML	Gray silt; moist	Boring was overlain by gravel	
2		0.0				
3		0.0	SW	Tan medium sand; slightly moist		
4		0.0				
5		0.0	CH	Tan clay; moist	3.75 feet recovery; no odor/staining	
6		0.0				
7		0.9				
8		3.2				
9		0.0			Soil sample B6 was collected from 7.0 to 7.5 feet bgs at 1058 for VOC analysis	
10		0.0				
11		0.0				
12		0.0				
13		0.0			5.0 feet recovery; no odor/staining	
14		0.0				
15		0.0				
16		0.0				
17		0.0			3.0 feet recovery; no odor/staining	
18		0.0				
19				Boring was terminated at 18.0 feet bgs		A temporary groundwater sampling point, screened from 8.0 to 18.0 feet bgs was installed in boring B6. Groundwater sample B6-GW was collected at 1137 for VOC and SVOC analysis
20						
21						
22						
23						
24						
25						

Boring Number:		B7			Page 1 of 1	
Location:		Former location of the press in the eastern portion of the warehouse, along the ink line trench			Date Started:	10/1/2016
Site Address:		79 Hurley Avenue			Date Completed:	10/1/2016
		Kingston, New York 12401			Depth to Groundwater:	13
Project Number:		16-162670.6			Field Technician:	Chris Niedzwiecki
Drill Rig Type:		AMS Powerprobe 9500 VTR			Partner Assessment Corporation	
Sampling Equipment:		5.0 foot MacroCore			10 Mountain View Road, Suite 218 North	
Borehole Diameter:		2.25 inch			Upper Saddle River, New Jersey 07458	
Depth	Sample	PID	USCS	Description	Notes	
1	B7		ML	Tan clayey silt; dry	Boring was overlain by concrete	
2					3.75 feet recovery; no odor/staining	
3						
4					Soil sample B7 was collected from 3.0 to 3.5 feet bgs at 1229 for VOC, SVOC, and primary pollutant metals analysis	
5						
6						
7						
8					4.25 feet recovery; no odor/staining	
9			CH	Tan clay; moist		
10						
11						
12						
13				Tan clay; wet	2.25 feet recovery; no odor/staining	
14						
15						
16						
17				Gray clay; wet		
18					2.5 feet recovery; no odor/staining	
19						
20					Tan clay; wet	
21				Boring was terminated at 20.0 feet bgs		
22				A temporary groundwater sampling point, screened from 10.0 to 20.0 feet bgs was installed in boring B7. Groundwater sample B7-GW was collected at 1250 for VOC analysis		
23						
24						
25						

Boring Number:		B8			Page 1 of 1	
Location:		East of the sump pit, along the trench drain system			Date Started:	10/1/2016
Site Address:	79 Hurley Avenue			Date Completed:		10/1/2016
	Kingston, New York 12401			Depth to Groundwater:		19
Project Number:		16-162670.6			Field Technician:	Chris Niedzwiecki
Drill Rig Type:		AMS Powerprobe 9500 VTR			Partner Assessment Corporation	
Sampling Equipment:		5.0 foot MacroCore			10 Mountain View Road, Suite 218 North	
Borehole Diameter:		2.25 inch			Upper Saddle River, New Jersey 07458	
Depth	Sample	PID	USCS	Description	Notes	
1	B8	0.0	ML	Tan clayey silt; dry	Boring was overlain by concrete	
2		0.0			3.0 feet recovery; no odor/staining	
3		0.0				
4		0.0			Soil sample B8 was collected from 3.0 to 3.5 feet bgs at 1241 for VOC, SVOC, and primary pollutant metals analysis	
5		0.0				
6		0.0				
7		0.0				
8		0.0			4.5 feet recovery; no odor/staining	
9		0.0				
10		0.0				
11		0.0				
12		0.0	CH	Tan/red clay; slightly moist	4.25 feet recovery; no odor/staining	
13		0.0				
14		0.0				
15		0.0				
16		0.0				
17		0.0				
18		0.0		Tan clay; very moist	4.5 feet recovery; no odor/staining	
19		0.0				
20		0.0		Tan clay with medium pebbles; wet		
21				Boring was terminated at 20.0 feet bgs	Due to poor recharge, a groundwater sample could not be collected from boring B8	
22						
23						
24						
25						

## **APPENDIX B: GEOPHYSICAL SURVEY REPORT AND MAP**

---



## ***GEOPHYSICAL INVESTIGATION REPORT***

SITE LOCATION:

**79 Hurley Avenue,  
Kingston, New York**

PREPARED FOR:

**Partner Engineering and Science  
100 Deerfield Lane, Suite 200  
Malvern, Pennsylvania 19355**

PREPARED BY:

Joshua Hess  
Delta Geophysics Inc.  
738 Front Street  
Catasauqua, PA 18032

**October 1, 2016**



Delta Geophysics, Inc. (Delta) is pleased to provide the results of the geophysical survey conducted at 79 Hurley Avenue, Kingston, New York.

## **1.0 INTRODUCTION**

On October 1<sup>st</sup>, 2016 Delta Geophysics personnel performed a limited geophysical investigation at 79 Hurley Avenue, Kingston, New York. Multiple areas throughout the site were to be surveyed. Subsurface conditions were unknown at the time of survey. Surface conditions consisted of asphalt and concrete.

## **2.0 SCOPE OF WORK**

The survey was conducted to investigate the subsurface for anomalies consistent with underground storage tanks (USTs) and/or soil disturbances that could be a potential indicator of a past UST excavation. A secondary objective was to locate and mark detectable underground utilities throughout the survey areas.

## **3.0 METHODOLOGY**

Selection of survey equipment is dependent site conditions and project objectives. For this project the technician utilized the following equipment to survey the area of concern:

- Geophysical Survey Systems Inc. SIR-3000 cart-mounted Ground Penetrating Radar (GPR) unit with a 400 Mhz antenna.
- Geophysical Survey Systems Inc. SIR-3000 cart-mounted GPR unit with a 2.0 GHz antenna
- Radiodetection RD7000 precision utility locator.
- Fisher M-Scope TW-6 pipe and cable locator.

Ground penetrating radar (commonly called GPR) is a geophysical method that has been developed over the past thirty years for shallow, high-resolution, subsurface investigations of the earth. GPR uses high frequency pulsed electromagnetic waves (generally 10 MHz to 1,000 MHz) to acquire subsurface information. Energy is propagated downward into the ground and is reflected back to the surface from boundaries at which there are electrical property contrasts. GPR is a method that is commonly used for environmental, engineering, archeological, and other shallow investigations.

The GSSI SIR-3000 GPR can accept a wide variety of antennas which provide various depths of penetration and levels of resolution. The 400 MHz antenna can achieve depths of penetration up to about 20 feet, but this depth may be greatly reduced due to site-

specific conditions. Signal penetration decreases with increased soil conductivity. Conductive materials attenuate or absorb the GPR signal. As depth increases the return signal becomes weaker. Penetration is the greatest in unsaturated sands and fine gravels. Clayey, highly saline or saturated soils, areas covered by steel reinforced concrete, foundry slag, or other highly conductive materials significantly reduces GPR depth of penetration.

The 400 MHz antenna was configured to transmit to a depth of approximately 10 feet below the subsurface, but actual signal penetration was limited to approximately 1-4 feet below ground surface (bgs). The limiting factors were signal attenuation from near surface soils and reinforced concrete.

Additionally, the 2.0 GHz antenna was utilized. The 2.0 GHz antenna can achieve depths of penetration up to about 12 inches, but this depth may be greatly reduced due to site-specific conditions. Signal penetration decreases with increased subsurface conductivity. Conductive materials attenuate or absorb the GPR signal. As depth increases the return signal becomes weaker. Penetration is the greatest in older well cured concrete. Newly poured cement, or cements with some admixtures can greatly reduce the depth of penetration.

The 2.0 GHz antenna was configured to transmit to a depth of approximately 12 inches below the subsurface, but actual signal penetration was approximately 10 inches. The limiting factor was signal attenuation from the concrete present at the site.

The RD7000 precision utility locator uses radio emission to trace the location of metal bearing utilities. This radio emission can be active or passive. Active tracing requires the attachment of a radio transmitter to the utility, passive tracing uses radio emissions that are present on the utility. Underground electrical utilities typically emit radio signals that this device can detect.

The TW-6 is designed to find pipes, cables and other metallic objects such as underground storage tanks. One surveyor can carry both the transmitter and receiver together, making it ideally suited for exploration type searches of ferrous metal masses. Metal detectors of this type operate by generating a magnetic field at the transmitter which causes metallic objects in the subsurface to generate a secondary magnetic field. The induced secondary field is detected by the receiver, which generates an audible tone equal to the strength of the secondary field.

#### **4.0 SURVEY FINDINGS**

All accessible areas within the survey areas were examined during this investigation. All areas were examined with the RD7000 for potential subsurface utilities then surveyed with GPR and TW-6 for other potential anomalies. Based on the data gathered, one soil disturbance was detected throughout the survey areas.

### *Soil Disturbance*

Soil Disturbance was located with GPR. The anomaly measures approximately 40 feet by 20 feet. It is located northeast of Building. GPR transects imaged a disturbance that could be a potential indicator of a former excavation. Additionally, two electric lines and three unknown lines were traced from the anomaly. Dense vegetation limited GPR transects and TW-6 usage over portions of the anomaly.

### *Utility Survey*

Delta performed a utility survey at 79 Hurley Avenue throughout the survey areas. The following utilities were detected: electric and storm sewer. All detectable utilities were marked onsite with appropriate colors. Anomalous features and unknown utilities were marked onsite in pink paint. Site map (100116) is included with all located subsurface features.

## **5.0 SURVEY LIMITATIONS**

GPR (equipped with the 400 MHz antenna) depth of penetration was limited to approximately 1-4 feet bgs. The limiting factor was due to conductive soils and reinforced concrete. GPR (equipped with the 2.0 GHz antenna) depth of penetration was limited to approximately 10 to 11 inches below ground surface. Building walls and dense vegetation limited GPR transects and TW-6 usage over portions of the survey areas. Delta did not have access to buildings located adjacent to the property. Interior access may aid Delta in detecting unknown utilities or utilities otherwise not detectable without a direct connection to the pipe or conduit.

## **6.0 WARRANTIES AND DISCLAIMER**

As with any geophysical method, it must be stressed that caution be used during any excavation or intrusive testing in proximity to any anomalies indicated in this report. In addition, the absence of detected signatures does not preclude the possibility that targets may exist. To the extent the client desires more definitive conclusions than are warranted by the currently available facts; it is specifically Delta's intent that the conclusions stated herein will be intended as guidance.

This report is based upon the application of scientific principles and professional judgment to certain facts with resultant subjective interpretations. Professional judgments expressed herein are based on the facts currently available within the limit or scope of work, budget and schedule. Delta represents that the services were performed in a manner consistent with currently accepted professional practices employed by geophysical/geological consultants under similar circumstances. No other representations to Client, express or implied, and no warranty or guarantee is included or intended in this agreement, or in any report, document, or otherwise.

This report was prepared pursuant to the contract Delta has with the Client. That contractual relationship included an exchange of information about the property that was unique and between Delta and its client and serves as the basis upon which this report was prepared. Because of the importance of the understandings between Delta and its client, reliance or any use of this report by anyone other than the Client, for whom it was prepared, is prohibited and therefore not foreseeable to Delta.

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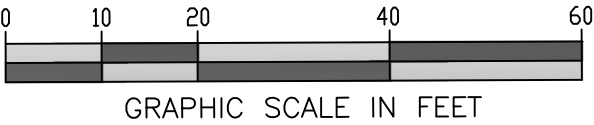
LEGEND	
	UTILITY VALVE COVER
	LIGHT POLE
	ELECTRIC
	STORM SEWER
	UNKNOWN UTILITY

NOTES:

This site plan was produced from data positioned by differential GPS measurements collected in the field. Due to the errors normally present in DGPS data, this document is not intended or represented to be of survey precision. Caution should be used in all field measurements based on this site plan.

As with any geophysical method, it must be stressed that caution be used during any excavation or intrusive testing in proximity of any anomalies indicated in this document. The absence of detected signatures does not preclude the possibility that targets exist. The geophysical data and results presented in this site plan are based upon the application of scientific principles and professional judgments to certain facts with resultant subjective interpretations. Professional judgments expressed herein are based on the facts currently available within the limits of the existing data, scope of work, budget, and schedule.

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GEOPHYSICAL INVESTIGATION  
79 HURLEY AVENUE, KINGSTON, NEW YORK  
FOR  
PARTNER ENGINEERING AND SCIENCE

  
**DELTA Geophysics Inc.**  
738 Front Street, Catsauqua, PA 18032  
Phone: (610) 231-73012

DATE 10/1/16  
SCALE 1" = 20'  
DWG NO. 100116  
SHT NO. 1 OF 1  
PROJECT.

## **APPENDIX C: LABORATORY ANALYTICAL REPORT**

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## ANALYTICAL REPORT

Lab Number:	L1631369
Client:	Partner Engineering and Science, Inc. 611 Industrial Way West Eatontown, NJ 07724
ATTN:	Andres Simonson
Phone:	(732) 380-1700
Project Name:	THE DAILY FREEMAN
Project Number:	16-159311.2
Report Date:	10/07/16

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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



**Project Name:** THE DAILY FREEMAN  
**Project Number:** 16-159311.2

**Lab Number:** L1631369  
**Report Date:** 10/07/16

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L1631369-01	B1	SOIL	79 HURLEY AVENUE, KINGSTON, NY 12401	10/01/16 09:21	10/01/16
L1631369-02	B2	SOIL	79 HURLEY AVENUE, KINGSTON, NY 12401	10/01/16 09:43	10/01/16
L1631369-03	B3	SOIL	79 HURLEY AVENUE, KINGSTON, NY 12401	10/01/16 10:00	10/01/16
L1631369-04	B4	SOIL	79 HURLEY AVENUE, KINGSTON, NY 12401	10/01/16 10:12	10/01/16
L1631369-05	B5	SOIL	79 HURLEY AVENUE, KINGSTON, NY 12401	10/01/16 10:29	10/01/16
L1631369-06	B6	SOIL	79 HURLEY AVENUE, KINGSTON, NY 12401	10/01/16 10:58	10/01/16
L1631369-07	B7	SOIL	79 HURLEY AVENUE, KINGSTON, NY 12401	10/01/16 12:29	10/01/16
L1631369-08	B8	SOIL	79 HURLEY AVENUE, KINGSTON, NY 12401	10/01/16 12:41	10/01/16
L1631369-09	B2-GW	WATER	79 HURLEY AVENUE, KINGSTON, NY 12401	10/01/16 11:09	10/01/16
L1631369-10	B4-GW	WATER	79 HURLEY AVENUE, KINGSTON, NY 12401	10/01/16 11:17	10/01/16
L1631369-11	B6-GW	WATER	79 HURLEY AVENUE, KINGSTON, NY 12401	10/01/16 11:37	10/01/16
L1631369-12	B7-GW	WATER	79 HURLEY AVENUE, KINGSTON, NY 12401	10/01/16 12:50	10/01/16

**Project Name:** THE DAILY FREEMAN  
**Project Number:** 16-159311.2

**Lab Number:** L1631369  
**Report Date:** 10/07/16

### 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.

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**Project Name:** THE DAILY FREEMAN  
**Project Number:** 16-159311.2

**Lab Number:** L1631369  
**Report Date:** 10/07/16

### 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.

#### Volatile Organics

L1631369-04: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

#### Semivolatile Organics

The WG938816-2/-3 LCS/LCSD recoveries, associated with L1631369-09 through -11, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

#### Semivolatile Organics by SIM

L1631369-10: The sample has elevated detection limits due to the dilution required by the sample matrix.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 10/07/16

# ORGANICS

# **VOLATILES**

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-01  
**Client ID:** B1  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 10/07/16 12:47  
**Analyst:** BD  
**Percent Solids:** 83%

**Date Collected:** 10/01/16 09:21  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.3	1.0	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.08	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.36	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.10	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Bromodichloromethane	ND		ug/kg	0.93	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
1,3-Dichloropropene, Total	ND		ug/kg	0.93	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.13	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.09	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.93	0.12	1
Chloromethane	ND		ug/kg	4.6	0.27	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.11	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.14	1





**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-01**Date Collected:** 10/01/16 09:21**Client ID:** B1**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.13	1
Methyl tert butyl ether	3.8		ug/kg	1.8	0.08	1
p/m-Xylene	ND		ug/kg	1.8	0.33	1
o-Xylene	ND		ug/kg	1.8	0.31	1
Xylenes, Total	ND		ug/kg	1.8	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.13	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	9.3	0.15	1
Styrene	ND		ug/kg	1.8	0.37	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.18	1
Acetone	ND		ug/kg	9.3	0.96	1
Carbon disulfide	ND		ug/kg	9.3	1.0	1
2-Butanone	ND		ug/kg	9.3	0.25	1
Vinyl acetate	ND		ug/kg	9.3	0.12	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.15	1
2-Hexanone	ND		ug/kg	9.3	0.62	1
Bromochloromethane	ND		ug/kg	4.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.13	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	0.30	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.93	0.11	1
sec-Butylbenzene	ND		ug/kg	0.93	0.11	1
tert-Butylbenzene	ND		ug/kg	4.6	0.12	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.37	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.21	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.12	1
Naphthalene	ND		ug/kg	4.6	0.13	1
Acrylonitrile	ND		ug/kg	9.3	0.48	1
n-Propylbenzene	ND		ug/kg	0.93	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-01**Date Collected:** 10/01/16 09:21**Client ID:** B1**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,4-Dioxane	ND		ug/kg	93	13.	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-02  
**Client ID:** B2  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 10/07/16 13:13  
**Analyst:** BD  
**Percent Solids:** 83%

**Date Collected:** 10/01/16 09:43  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.3	1.0	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.08	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.19	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.36	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.10	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Bromodichloromethane	ND		ug/kg	0.93	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
1,3-Dichloropropene, Total	ND		ug/kg	0.93	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.13	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.09	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.93	0.12	1
Chloromethane	ND		ug/kg	4.6	0.27	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.11	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.14	1



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-02**Date Collected:** 10/01/16 09:43**Client ID:** B2**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.13	1
Methyl tert butyl ether	1.5	J	ug/kg	1.8	0.08	1
p/m-Xylene	ND		ug/kg	1.8	0.32	1
o-Xylene	ND		ug/kg	1.8	0.31	1
Xylenes, Total	ND		ug/kg	1.8	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.13	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	9.3	0.15	1
Styrene	ND		ug/kg	1.8	0.37	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.18	1
Acetone	ND		ug/kg	9.3	0.96	1
Carbon disulfide	ND		ug/kg	9.3	1.0	1
2-Butanone	ND		ug/kg	9.3	0.25	1
Vinyl acetate	ND		ug/kg	9.3	0.12	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.15	1
2-Hexanone	ND		ug/kg	9.3	0.62	1
Bromochloromethane	ND		ug/kg	4.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.13	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.93	0.11	1
sec-Butylbenzene	ND		ug/kg	0.93	0.11	1
tert-Butylbenzene	ND		ug/kg	4.6	0.12	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.37	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.21	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.12	1
Naphthalene	ND		ug/kg	4.6	0.13	1
Acrylonitrile	ND		ug/kg	9.3	0.48	1
n-Propylbenzene	ND		ug/kg	0.93	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-02**Date Collected:** 10/01/16 09:43**Client ID:** B2**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,4-Dioxane	ND		ug/kg	93	13.	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-03  
**Client ID:** B3  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 10/07/16 13:39  
**Analyst:** BD  
**Percent Solids:** 76%

**Date Collected:** 10/01/16 10:00  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.9	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	0.99	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	0.99	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.99	0.14	1
Chlorobenzene	ND		ug/kg	0.99	0.34	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.99	0.11	1
Bromodichloromethane	ND		ug/kg	0.99	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.99	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	0.99	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.14	1
Bromoform	ND		ug/kg	4.0	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.99	0.10	1
Benzene	1.0		ug/kg	0.99	0.12	1
Toluene	0.19	J	ug/kg	1.5	0.19	1
Ethylbenzene	79		ug/kg	0.99	0.13	1
Chloromethane	ND		ug/kg	5.0	0.29	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.99	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15	1



Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

## SAMPLE RESULTS

Lab ID: L1631369-03

Date Collected: 10/01/16 10:00

Client ID: B3

Date Received: 10/01/16

Sample Location: 79 HURLEY AVENUE, KINGSTON, NY 12401

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14	1
Methyl tert butyl ether	2.8		ug/kg	2.0	0.08	1
p/m-Xylene	9.9		ug/kg	2.0	0.35	1
o-Xylene	0.81	J	ug/kg	2.0	0.34	1
Xylenes, Total	11	J	ug/kg	2.0	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	9.9	0.16	1
Styrene	ND		ug/kg	2.0	0.40	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.19	1
Acetone	19		ug/kg	9.9	1.0	1
Carbon disulfide	ND		ug/kg	9.9	1.1	1
2-Butanone	ND		ug/kg	9.9	0.27	1
Vinyl acetate	ND		ug/kg	9.9	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.9	0.16	1
2-Hexanone	ND		ug/kg	9.9	0.66	1
Bromochloromethane	ND		ug/kg	5.0	0.27	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.17	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.99	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.21	1
n-Butylbenzene	6.6		ug/kg	0.99	0.11	1
sec-Butylbenzene	2.4		ug/kg	0.99	0.12	1
tert-Butylbenzene	ND		ug/kg	5.0	0.13	1
o-Chlorotoluene	ND		ug/kg	5.0	0.16	1
p-Chlorotoluene	ND		ug/kg	5.0	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.39	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.23	1
Isopropylbenzene	10		ug/kg	0.99	0.10	1
p-Isopropyltoluene	0.99		ug/kg	0.99	0.12	1
Naphthalene	79		ug/kg	5.0	0.14	1
Acrylonitrile	ND		ug/kg	9.9	0.51	1
n-Propylbenzene	32		ug/kg	0.99	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3,5-Trimethylbenzene	27		ug/kg	5.0	0.14	1



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-03**Date Collected:** 10/01/16 10:00**Client ID:** B3**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	12		ug/kg	5.0	0.14	1
1,4-Dioxane	ND		ug/kg	99	14.	1
p-Diethylbenzene	5.4		ug/kg	4.0	0.16	1
p-Ethyltoluene	17		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	25		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.0	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	85		70-130

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-04      **D**  
**Client ID:** B4  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 10/07/16 14:06  
**Analyst:** JC  
**Percent Solids:** 76%

**Date Collected:** 10/01/16 10:12  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14000	1500	20
1,1-Dichloroethane	ND		ug/kg	2100	120	20
Chloroform	ND		ug/kg	2100	520	20
Carbon tetrachloride	ND		ug/kg	1400	290	20
1,2-Dichloropropane	ND		ug/kg	4900	320	20
Dibromochloromethane	ND		ug/kg	1400	210	20
1,1,2-Trichloroethane	ND		ug/kg	2100	420	20
Tetrachloroethene	ND		ug/kg	1400	200	20
Chlorobenzene	ND		ug/kg	1400	480	20
Trichlorofluoromethane	ND		ug/kg	7000	540	20
1,2-Dichloroethane	ND		ug/kg	1400	160	20
1,1,1-Trichloroethane	ND		ug/kg	1400	150	20
Bromodichloromethane	ND		ug/kg	1400	240	20
trans-1,3-Dichloropropene	ND		ug/kg	1400	170	20
cis-1,3-Dichloropropene	ND		ug/kg	1400	160	20
1,3-Dichloropropene, Total	ND		ug/kg	1400	160	20
1,1-Dichloropropene	ND		ug/kg	7000	200	20
Bromoform	ND		ug/kg	5600	330	20
1,1,2,2-Tetrachloroethane	ND		ug/kg	1400	140	20
Benzene	1000	J	ug/kg	1400	160	20
Toluene	400	J	ug/kg	2100	270	20
Ethylbenzene	6100		ug/kg	1400	180	20
Chloromethane	ND		ug/kg	7000	410	20
Bromomethane	ND		ug/kg	2800	470	20
Vinyl chloride	ND		ug/kg	2800	160	20
Chloroethane	ND		ug/kg	2800	440	20
1,1-Dichloroethene	ND		ug/kg	1400	360	20
trans-1,2-Dichloroethene	ND		ug/kg	2100	300	20
Trichloroethene	ND		ug/kg	1400	170	20
1,2-Dichlorobenzene	ND		ug/kg	7000	210	20



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

Lab ID: L1631369-04 D  
 Client ID: B4  
 Sample Location: 79 HURLEY AVENUE, KINGSTON, NY 12401

Date Collected: 10/01/16 10:12  
 Date Received: 10/01/16  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	7000	190	20
1,4-Dichlorobenzene	ND		ug/kg	7000	190	20
Methyl tert butyl ether	ND		ug/kg	2800	120	20
p/m-Xylene	4800		ug/kg	2800	490	20
o-Xylene	540	J	ug/kg	2800	470	20
Xylenes, Total	5300	J	ug/kg	2800	470	20
cis-1,2-Dichloroethene	ND		ug/kg	1400	200	20
1,2-Dichloroethene, Total	ND		ug/kg	1400	200	20
Dibromomethane	ND		ug/kg	14000	230	20
Styrene	ND		ug/kg	2800	560	20
Dichlorodifluoromethane	ND		ug/kg	14000	270	20
Acetone	ND		ug/kg	14000	1400	20
Carbon disulfide	ND		ug/kg	14000	1500	20
2-Butanone	ND		ug/kg	14000	380	20
Vinyl acetate	ND		ug/kg	14000	180	20
4-Methyl-2-pentanone	ND		ug/kg	14000	340	20
1,2,3-Trichloropropane	ND		ug/kg	14000	230	20
2-Hexanone	ND		ug/kg	14000	930	20
Bromochloromethane	ND		ug/kg	7000	380	20
2,2-Dichloropropane	ND		ug/kg	7000	320	20
1,2-Dibromoethane	ND		ug/kg	5600	240	20
1,3-Dichloropropane	ND		ug/kg	7000	200	20
1,1,1,2-Tetrachloroethane	ND		ug/kg	1400	440	20
Bromobenzene	ND		ug/kg	7000	290	20
n-Butylbenzene	2200		ug/kg	1400	160	20
sec-Butylbenzene	570	J	ug/kg	1400	170	20
tert-Butylbenzene	ND		ug/kg	7000	190	20
o-Chlorotoluene	ND		ug/kg	7000	220	20
p-Chlorotoluene	ND		ug/kg	7000	180	20
1,2-Dibromo-3-chloropropane	ND		ug/kg	7000	550	20
Hexachlorobutadiene	ND		ug/kg	7000	320	20
Isopropylbenzene	830	J	ug/kg	1400	140	20
p-Isopropyltoluene	450	J	ug/kg	1400	170	20
Naphthalene	1900	J	ug/kg	7000	190	20
Acrylonitrile	ND		ug/kg	14000	720	20
n-Propylbenzene	3000		ug/kg	1400	150	20
1,2,3-Trichlorobenzene	ND		ug/kg	7000	200	20
1,2,4-Trichlorobenzene	ND		ug/kg	7000	250	20
1,3,5-Trimethylbenzene	430	J	ug/kg	7000	200	20



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-04 D**Date Collected:** 10/01/16 10:12**Client ID:** B4**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	17000		ug/kg	7000	200	20
1,4-Dioxane	ND		ug/kg	140000	20000	20
p-Diethylbenzene	3000	J	ug/kg	5600	220	20
p-Ethyltoluene	6200		ug/kg	5600	170	20
1,2,4,5-Tetramethylbenzene	5200	J	ug/kg	5600	180	20
Ethyl ether	ND		ug/kg	7000	360	20
trans-1,4-Dichloro-2-butene	ND		ug/kg	7000	550	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	101		70-130

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-05  
**Client ID:** B5  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 10/07/16 14:05  
**Analyst:** BD  
**Percent Solids:** 80%

**Date Collected:** 10/01/16 10:29  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.3	1.0	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.08	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.36	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.10	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Bromodichloromethane	ND		ug/kg	0.93	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
1,3-Dichloropropene, Total	ND		ug/kg	0.93	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.7	0.13	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.09	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	0.16	J	ug/kg	0.93	0.12	1
Chloromethane	ND		ug/kg	4.7	0.27	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.11	1
Chloroethane	ND		ug/kg	1.9	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.14	1



Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

## SAMPLE RESULTS

Lab ID: L1631369-05

Date Collected: 10/01/16 10:29

Client ID: B5

Date Received: 10/01/16

Sample Location: 79 HURLEY AVENUE, KINGSTON, NY 12401

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.13	1
Methyl tert butyl ether	130		ug/kg	1.9	0.08	1
p/m-Xylene	ND		ug/kg	1.9	0.33	1
o-Xylene	ND		ug/kg	1.9	0.32	1
Xylenes, Total	ND		ug/kg	1.9	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.13	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	9.3	0.15	1
Styrene	ND		ug/kg	1.9	0.38	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.18	1
Acetone	ND		ug/kg	9.3	0.97	1
Carbon disulfide	ND		ug/kg	9.3	1.0	1
2-Butanone	ND		ug/kg	9.3	0.25	1
Vinyl acetate	ND		ug/kg	9.3	0.12	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.15	1
2-Hexanone	ND		ug/kg	9.3	0.62	1
Bromochloromethane	ND		ug/kg	4.7	0.26	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	0.30	1
Bromobenzene	ND		ug/kg	4.7	0.19	1
n-Butylbenzene	ND		ug/kg	0.93	0.11	1
sec-Butylbenzene	ND		ug/kg	0.93	0.11	1
tert-Butylbenzene	ND		ug/kg	4.7	0.13	1
o-Chlorotoluene	ND		ug/kg	4.7	0.15	1
p-Chlorotoluene	ND		ug/kg	4.7	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.37	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.21	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.12	1
Naphthalene	0.61	J	ug/kg	4.7	0.13	1
Acrylonitrile	ND		ug/kg	9.3	0.48	1
n-Propylbenzene	ND		ug/kg	0.93	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.13	1

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-05**Date Collected:** 10/01/16 10:29**Client ID:** B5**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.13	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	1.3	J	ug/kg	4.7	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	0.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-06  
**Client ID:** B6  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 10/07/16 16:15  
**Analyst:** BD  
**Percent Solids:** 85%

**Date Collected:** 10/01/16 10:58  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.8	0.97	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.08	1
Chloroform	ND		ug/kg	1.3	0.33	1
Carbon tetrachloride	ND		ug/kg	0.88	0.18	1
1,2-Dichloropropane	ND		ug/kg	3.1	0.20	1
Dibromochloromethane	ND		ug/kg	0.88	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.27	1
Tetrachloroethene	ND		ug/kg	0.88	0.12	1
Chlorobenzene	ND		ug/kg	0.88	0.31	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.34	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.10	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	0.10	1
Bromodichloromethane	ND		ug/kg	0.88	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.88	0.10	1
1,3-Dichloropropene, Total	ND		ug/kg	0.88	0.10	1
1,1-Dichloropropene	ND		ug/kg	4.4	0.12	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.88	0.09	1
Benzene	ND		ug/kg	0.88	0.10	1
Toluene	ND		ug/kg	1.3	0.17	1
Ethylbenzene	ND		ug/kg	0.88	0.11	1
Chloromethane	ND		ug/kg	4.4	0.26	1
Bromomethane	ND		ug/kg	1.8	0.30	1
Vinyl chloride	ND		ug/kg	1.8	0.10	1
Chloroethane	ND		ug/kg	1.8	0.28	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Trichloroethene	ND		ug/kg	0.88	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	0.14	1



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-06**Date Collected:** 10/01/16 10:58**Client ID:** B6**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.4	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	4.4	0.12	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.07	1
p/m-Xylene	ND		ug/kg	1.8	0.31	1
o-Xylene	ND		ug/kg	1.8	0.30	1
Xylenes, Total	ND		ug/kg	1.8	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.12	1
1,2-Dichloroethene, Total	ND		ug/kg	0.88	0.12	1
Dibromomethane	ND		ug/kg	8.8	0.14	1
Styrene	ND		ug/kg	1.8	0.35	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.17	1
Acetone	19		ug/kg	8.8	0.91	1
Carbon disulfide	ND		ug/kg	8.8	0.97	1
2-Butanone	ND		ug/kg	8.8	0.24	1
Vinyl acetate	ND		ug/kg	8.8	0.12	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	8.8	0.14	1
2-Hexanone	ND		ug/kg	8.8	0.59	1
Bromochloromethane	ND		ug/kg	4.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	4.4	0.20	1
1,2-Dibromoethane	ND		ug/kg	3.5	0.15	1
1,3-Dichloropropane	ND		ug/kg	4.4	0.13	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.88	0.28	1
Bromobenzene	ND		ug/kg	4.4	0.18	1
n-Butylbenzene	ND		ug/kg	0.88	0.10	1
sec-Butylbenzene	ND		ug/kg	0.88	0.11	1
tert-Butylbenzene	ND		ug/kg	4.4	0.12	1
o-Chlorotoluene	ND		ug/kg	4.4	0.14	1
p-Chlorotoluene	ND		ug/kg	4.4	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	0.35	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.20	1
Isopropylbenzene	ND		ug/kg	0.88	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.11	1
Naphthalene	ND		ug/kg	4.4	0.12	1
Acrylonitrile	ND		ug/kg	8.8	0.45	1
n-Propylbenzene	ND		ug/kg	0.88	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.4	0.13	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	0.16	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.4	0.13	1

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-06**Date Collected:** 10/01/16 10:58**Client ID:** B6**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	0.12	1
1,4-Dioxane	ND		ug/kg	88	13.	1
p-Diethylbenzene	ND		ug/kg	3.5	0.14	1
p-Ethyltoluene	ND		ug/kg	3.5	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.5	0.11	1
Ethyl ether	ND		ug/kg	4.4	0.23	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	0.34	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-07  
**Client ID:** B7  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 10/07/16 14:57  
**Analyst:** BD  
**Percent Solids:** 84%

**Date Collected:** 10/01/16 12:29  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.8	0.98	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.08	1
Chloroform	ND		ug/kg	1.3	0.33	1
Carbon tetrachloride	ND		ug/kg	0.88	0.18	1
1,2-Dichloropropane	ND		ug/kg	3.1	0.20	1
Dibromochloromethane	ND		ug/kg	0.88	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.27	1
Tetrachloroethene	ND		ug/kg	0.88	0.12	1
Chlorobenzene	ND		ug/kg	0.88	0.31	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.34	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.10	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	0.10	1
Bromodichloromethane	ND		ug/kg	0.88	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.88	0.10	1
1,3-Dichloropropene, Total	ND		ug/kg	0.88	0.10	1
1,1-Dichloropropene	ND		ug/kg	4.4	0.12	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.88	0.09	1
Benzene	ND		ug/kg	0.88	0.10	1
Toluene	ND		ug/kg	1.3	0.17	1
Ethylbenzene	ND		ug/kg	0.88	0.11	1
Chloromethane	ND		ug/kg	4.4	0.26	1
Bromomethane	ND		ug/kg	1.8	0.30	1
Vinyl chloride	ND		ug/kg	1.8	0.10	1
Chloroethane	ND		ug/kg	1.8	0.28	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Trichloroethene	ND		ug/kg	0.88	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	0.14	1



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-07**Date Collected:** 10/01/16 12:29**Client ID:** B7**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.4	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	4.4	0.12	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.08	1
p/m-Xylene	ND		ug/kg	1.8	0.31	1
o-Xylene	ND		ug/kg	1.8	0.30	1
Xylenes, Total	ND		ug/kg	1.8	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.13	1
1,2-Dichloroethene, Total	ND		ug/kg	0.88	0.13	1
Dibromomethane	ND		ug/kg	8.8	0.14	1
Styrene	ND		ug/kg	1.8	0.36	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.17	1
Acetone	ND		ug/kg	8.8	0.92	1
Carbon disulfide	ND		ug/kg	8.8	0.97	1
2-Butanone	ND		ug/kg	8.8	0.24	1
Vinyl acetate	ND		ug/kg	8.8	0.12	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	8.8	0.14	1
2-Hexanone	ND		ug/kg	8.8	0.59	1
Bromochloromethane	ND		ug/kg	4.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	4.4	0.20	1
1,2-Dibromoethane	ND		ug/kg	3.5	0.15	1
1,3-Dichloropropane	ND		ug/kg	4.4	0.13	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.88	0.28	1
Bromobenzene	ND		ug/kg	4.4	0.18	1
n-Butylbenzene	ND		ug/kg	0.88	0.10	1
sec-Butylbenzene	ND		ug/kg	0.88	0.11	1
tert-Butylbenzene	ND		ug/kg	4.4	0.12	1
o-Chlorotoluene	ND		ug/kg	4.4	0.14	1
p-Chlorotoluene	ND		ug/kg	4.4	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	0.35	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.20	1
Isopropylbenzene	ND		ug/kg	0.88	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.11	1
Naphthalene	ND		ug/kg	4.4	0.12	1
Acrylonitrile	ND		ug/kg	8.8	0.45	1
n-Propylbenzene	ND		ug/kg	0.88	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.4	0.13	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	0.16	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.4	0.13	1

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-07**Date Collected:** 10/01/16 12:29**Client ID:** B7**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	0.12	1
1,4-Dioxane	ND		ug/kg	88	13.	1
p-Diethylbenzene	ND		ug/kg	3.5	0.14	1
p-Ethyltoluene	ND		ug/kg	3.5	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.5	0.12	1
Ethyl ether	ND		ug/kg	4.4	0.23	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	0.35	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-08  
**Client ID:** B8  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 10/07/16 15:23  
**Analyst:** PP  
**Percent Solids:** 85%

**Date Collected:** 10/01/16 12:41  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.4	0.93	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.07	1
Chloroform	ND		ug/kg	1.3	0.31	1
Carbon tetrachloride	ND		ug/kg	0.84	0.18	1
1,2-Dichloropropane	ND		ug/kg	3.0	0.19	1
Dibromochloromethane	ND		ug/kg	0.84	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.26	1
Tetrachloroethene	ND		ug/kg	0.84	0.12	1
Chlorobenzene	ND		ug/kg	0.84	0.29	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.33	1
1,2-Dichloroethane	ND		ug/kg	0.84	0.10	1
1,1,1-Trichloroethane	ND		ug/kg	0.84	0.09	1
Bromodichloromethane	ND		ug/kg	0.84	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	0.84	0.10	1
cis-1,3-Dichloropropene	ND		ug/kg	0.84	0.10	1
1,3-Dichloropropene, Total	ND		ug/kg	0.84	0.10	1
1,1-Dichloropropene	ND		ug/kg	4.2	0.12	1
Bromoform	ND		ug/kg	3.4	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.84	0.09	1
Benzene	ND		ug/kg	0.84	0.10	1
Toluene	ND		ug/kg	1.3	0.16	1
Ethylbenzene	ND		ug/kg	0.84	0.11	1
Chloromethane	ND		ug/kg	4.2	0.25	1
Bromomethane	ND		ug/kg	1.7	0.28	1
Vinyl chloride	ND		ug/kg	1.7	0.10	1
Chloroethane	ND		ug/kg	1.7	0.27	1
1,1-Dichloroethene	ND		ug/kg	0.84	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Trichloroethene	ND		ug/kg	0.84	0.10	1
1,2-Dichlorobenzene	ND		ug/kg	4.2	0.13	1





**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-08**Date Collected:** 10/01/16 12:41**Client ID:** B8**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.2	0.11	1
1,4-Dichlorobenzene	ND		ug/kg	4.2	0.12	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.07	1
p/m-Xylene	ND		ug/kg	1.7	0.30	1
o-Xylene	ND		ug/kg	1.7	0.28	1
Xylenes, Total	ND		ug/kg	1.7	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.84	0.12	1
1,2-Dichloroethene, Total	ND		ug/kg	0.84	0.12	1
Dibromomethane	ND		ug/kg	8.4	0.14	1
Styrene	ND		ug/kg	1.7	0.34	1
Dichlorodifluoromethane	ND		ug/kg	8.4	0.16	1
Acetone	21		ug/kg	8.4	0.87	1
Carbon disulfide	ND		ug/kg	8.4	0.93	1
2-Butanone	3.3	J	ug/kg	8.4	0.23	1
Vinyl acetate	ND		ug/kg	8.4	0.11	1
4-Methyl-2-pentanone	ND		ug/kg	8.4	0.21	1
1,2,3-Trichloropropane	ND		ug/kg	8.4	0.14	1
2-Hexanone	ND		ug/kg	8.4	0.56	1
Bromochloromethane	ND		ug/kg	4.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	4.2	0.19	1
1,2-Dibromoethane	ND		ug/kg	3.4	0.15	1
1,3-Dichloropropane	ND		ug/kg	4.2	0.12	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.84	0.27	1
Bromobenzene	ND		ug/kg	4.2	0.18	1
n-Butylbenzene	ND		ug/kg	0.84	0.10	1
sec-Butylbenzene	ND		ug/kg	0.84	0.10	1
tert-Butylbenzene	ND		ug/kg	4.2	0.11	1
o-Chlorotoluene	ND		ug/kg	4.2	0.13	1
p-Chlorotoluene	ND		ug/kg	4.2	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	0.33	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.19	1
Isopropylbenzene	ND		ug/kg	0.84	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.84	0.10	1
Naphthalene	ND		ug/kg	4.2	0.12	1
Acrylonitrile	ND		ug/kg	8.4	0.43	1
n-Propylbenzene	ND		ug/kg	0.84	0.09	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.2	0.12	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	0.15	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	0.12	1



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-08**Date Collected:** 10/01/16 12:41**Client ID:** B8**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	0.12	1
1,4-Dioxane	ND		ug/kg	84	12.	1
p-Diethylbenzene	ND		ug/kg	3.4	0.13	1
p-Ethyltoluene	ND		ug/kg	3.4	0.10	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.4	0.11	1
Ethyl ether	ND		ug/kg	4.2	0.22	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.2	0.33	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-09  
**Client ID:** B2-GW  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 10/05/16 18:34  
**Analyst:** PD

**Date Collected:** 10/01/16 11:09  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified

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
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	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:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-09**Date Collected:** 10/01/16 11:09**Client ID:** B2-GW**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

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	3.1		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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	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
Vinyl acetate	ND		ug/l	5.0	1.0	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
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-09**Date Collected:** 10/01/16 11:09**Client ID:** B2-GW**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-10      **D**  
**Client ID:** B4-GW  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 10/06/16 14:02  
**Analyst:** PD

**Date Collected:** 10/01/16 11:17  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	43		ug/l	5.0	1.6	10
Toluene	8.9	J	ug/l	25	7.0	10
Ethylbenzene	340		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

Lab ID: L1631369-10 D

Date Collected: 10/01/16 11:17

Client ID: B4-GW

Date Received: 10/01/16

Sample Location: 79 HURLEY AVENUE, KINGSTON, NY 12401

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	280		ug/l	25	7.0	10
o-Xylene	20	J	ug/l	25	7.0	10
Xylenes, Total	300	J	ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
1,2-Dichloroethene, Total	ND		ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	21	J	ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	30		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	61		ug/l	25	7.0	10
n-Propylbenzene	87		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	18	J	ug/l	25	7.0	10





**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-10 D**Date Collected:** 10/01/16 11:17**Client ID:** B4-GW**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	720		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	610	10
p-Diethylbenzene	24		ug/l	20	7.0	10
p-Ethyltoluene	230		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	77		ug/l	20	5.4	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	84		70-130

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-11  
**Client ID:** B6-GW  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 10/05/16 21:08  
**Analyst:** PD

**Date Collected:** 10/01/16 11:37  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified

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
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.3		ug/l	0.50	0.16	1
Toluene	1.0	J	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:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-11**Date Collected:** 10/01/16 11:37**Client ID:** B6-GW**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

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	8.8		ug/l	2.5	0.70	1
p/m-Xylene	5.6		ug/l	2.5	0.70	1
o-Xylene	2.8		ug/l	2.5	0.70	1
Xylenes, Total	8.4		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.1		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
Vinyl acetate	ND		ug/l	5.0	1.0	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
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	4.0		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	6.4		ug/l	2.5	0.70	1
n-Propylbenzene	9.7		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
1,3,5-Trimethylbenzene	2.0	J	ug/l	2.5	0.70	1

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-11**Date Collected:** 10/01/16 11:37**Client ID:** B6-GW**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	3.0		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	1.3	J	ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.7	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	95		70-130

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-12  
**Client ID:** B7-GW  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 10/06/16 14:30  
**Analyst:** PD

**Date Collected:** 10/01/16 12:50  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified

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
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.19	J	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	0.27	J	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	1.2	J	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:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-12**Date Collected:** 10/01/16 12:50**Client ID:** B7-GW**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	11		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	12	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.3	J	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
Vinyl acetate	ND		ug/l	5.0	1.0	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
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.2	J	ug/l	2.5	0.70	1
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

**Project Name:** THE DAILY FREEMAN  
**Project Number:** 16-159311.2

**Lab Number:** L1631369  
**Report Date:** 10/07/16

**SAMPLE RESULTS**

**Lab ID:** L1631369-12  
**Client ID:** B7-GW  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401

**Date Collected:** 10/01/16 12:50  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	0.58	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	96		70-130

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/05/16 11:42

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09,11 Batch: WG939274-5					
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
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
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



Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/05/16 11:42

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09,11 Batch: WG939274-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
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
Vinyl acetate	ND		ug/l	5.0	1.0
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
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/05/16 11:42

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09,11 Batch: WG939274-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	101		70-130

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/06/16 10:57

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10,12 Batch: WG939573-5					
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
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
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	1.0	J	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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 10/06/16 10:57  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10,12 Batch: WG939573-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
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
Vinyl acetate	ND		ug/l	5.0	1.0
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
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/06/16 10:57

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10,12 Batch: WG939573-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	96		70-130

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/07/16 12:21

Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03,05-08 Batch: WG939994-5					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	0.14	J	ug/kg	1.0	0.12
Toluene	0.23	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/07/16 12:21

Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03,05-08 Batch: WG939994-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/07/16 12:21

Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03,05-08 Batch: WG939994-5					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,4-Dioxane	ND		ug/kg	100	14.
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130



Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/07/16 11:29

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG940021-5					
Methylene chloride	ND		ug/kg	500	55.
1,1-Dichloroethane	ND		ug/kg	75	4.3
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	7.7
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	19.
1,2-Dichloroethane	ND		ug/kg	50	5.7
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	8.7
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	5.9
1,3-Dichloropropene, Total	ND		ug/kg	50	5.9
1,1-Dichloropropene	ND		ug/kg	250	7.1
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	5.0
Benzene	7.2	J	ug/kg	50	5.9
Toluene	24	J	ug/kg	75	9.7
Ethylbenzene	ND		ug/kg	50	6.4
Chloromethane	15	J	ug/kg	250	15.
Bromomethane	22	J	ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	5.9
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	13.
trans-1,2-Dichloroethene	ND		ug/kg	75	11.
Trichloroethene	ND		ug/kg	50	6.2

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/07/16 11:29

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG940021-5					
1,2-Dichlorobenzene	ND		ug/kg	250	7.7
1,3-Dichlorobenzene	ND		ug/kg	250	6.8
1,4-Dichlorobenzene	ND		ug/kg	250	6.9
Methyl tert butyl ether	ND		ug/kg	100	4.2
p/m-Xylene	ND		ug/kg	100	18.
o-Xylene	ND		ug/kg	100	17.
Xylenes, Total	ND		ug/kg	100	17.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.1
1,2-Dichloroethene, Total	ND		ug/kg	50	7.1
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	9.5
Acetone	59	J	ug/kg	500	52.
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	14.
Vinyl acetate	ND		ug/kg	500	6.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.1
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	14.
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.7
1,3-Dichloropropane	ND		ug/kg	250	7.3
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	5.7
sec-Butylbenzene	ND		ug/kg	50	6.1
tert-Butylbenzene	ND		ug/kg	250	6.8
o-Chlorotoluene	ND		ug/kg	250	8.0

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 10/07/16 11:29  
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG940021-5					
p-Chlorotoluene	ND		ug/kg	250	6.6
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	11.
Isopropylbenzene	ND		ug/kg	50	5.2
p-Isopropyltoluene	ND		ug/kg	50	6.2
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
n-Propylbenzene	ND		ug/kg	50	5.5
1,2,3-Trichlorobenzene	ND		ug/kg	250	7.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	9.1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	7.1
1,4-Dioxane	ND		ug/kg	5000	720
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	6.2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	99		70-130

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,11 Batch: WG939274-3 WG939274-4								
Methylene chloride	93		100		70-130	7		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	100		110		70-130	10		20
2-Chloroethylvinyl ether	90		90		70-130	0		20
Carbon tetrachloride	110		120		63-132	9		20
1,2-Dichloropropane	97		100		70-130	3		20
Dibromochloromethane	81		87		63-130	7		20
1,1,2-Trichloroethane	89		96		70-130	8		20
Tetrachloroethene	92		98		70-130	6		20
Chlorobenzene	94		100		75-130	6		20
Trichlorofluoromethane	85		94		62-150	10		20
1,2-Dichloroethane	97		110		70-130	13		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	84		90		70-130	7		20
cis-1,3-Dichloropropene	100		110		70-130	10		20
1,1-Dichloropropene	98		100		70-130	2		20
Bromoform	79		82		54-136	4		20
1,1,2,2-Tetrachloroethane	90		97		67-130	7		20
Benzene	100		110		70-130	10		20
Toluene	97		100		70-130	3		20

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,11 Batch: WG939274-3 WG939274-4								
Ethylbenzene	99		100		70-130	1		20
Chloromethane	85		90		64-130	6		20
Bromomethane	110		130		39-139	17		20
Vinyl chloride	100		110		55-140	10		20
Chloroethane	99		110		55-138	11		20
1,1-Dichloroethene	88		94		61-145	7		20
trans-1,2-Dichloroethene	99		110		70-130	11		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	87		94		70-130	8		20
1,3-Dichlorobenzene	93		99		70-130	6		20
1,4-Dichlorobenzene	92		98		70-130	6		20
Methyl tert butyl ether	94		100		63-130	6		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	96		100		70-130	4		20
1,2,3-Trichloropropane	89		98		64-130	10		20
Acrylonitrile	82		88		70-130	7		20
Isopropyl Ether	96		100		70-130	4		20
tert-Butyl Alcohol	84		102		70-130	19		20
Styrene	100		110		70-130	10		20

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,11 Batch: WG939274-3 WG939274-4								
Dichlorodifluoromethane	83		90		36-147	8		20
Acetone	76		70		58-148	8		20
Carbon disulfide	84		90		51-130	7		20
2-Butanone	83		86		63-138	4		20
Vinyl acetate	87		96		70-130	10		20
4-Methyl-2-pentanone	70		74		59-130	6		20
2-Hexanone	66		72		57-130	9		20
Acrolein	70		83		40-160	17		20
Bromochloromethane	98		110		70-130	12		20
2,2-Dichloropropane	120		140	Q	63-133	15		20
1,2-Dibromoethane	90		96		70-130	6		20
1,3-Dichloropropane	90		96		70-130	6		20
1,1,1,2-Tetrachloroethane	94		100		64-130	6		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	94		98		53-136	4		20
sec-Butylbenzene	97		100		70-130	3		20
tert-Butylbenzene	98		100		70-130	2		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	70		71		41-144	1		20
Hexachlorobutadiene	78		81		63-130	4		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,11 Batch: WG939274-3 WG939274-4								
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	97		100		70-130	3		20
Naphthalene	53	Q	63	Q	70-130	17		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	45	Q	54	Q	70-130	18		20
1,2,4-Trichlorobenzene	62	Q	68	Q	70-130	9		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
Methyl Acetate	80		92		70-130	14		20
Ethyl Acetate	81		91		70-130	12		20
Cyclohexane	86		90		70-130	5		20
Ethyl-Tert-Butyl-Ether	99		110		70-130	11		20
Tertiary-Amyl Methyl Ether	93		100		66-130	7		20
1,4-Dioxane	94		106		56-162	12		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	86		91		70-130	6		20
p-Diethylbenzene	95		100		70-130	5		20
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	89		95		70-130	7		20
Tetrahydrofuran	72		81		58-130	12		20
Ethyl ether	91		100		59-134	9		20
trans-1,4-Dichloro-2-butene	92		93		70-130	1		20

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** THE DAILY FREEMAN

**Lab Number:** L1631369

**Project Number:** 16-159311.2

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,11 Batch: WG939274-3 WG939274-4								
Iodomethane	96		100		70-130	4		20
Methyl cyclohexane	83		89		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	115		113		70-130
Dibromofluoromethane	100		101		70-130



# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10,12 Batch: WG939573-3 WG939573-4								
Methylene chloride	99		95		70-130	4		20
1,1-Dichloroethane	98		98		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	98		98		63-132	0		20
1,2-Dichloropropane	93		93		70-130	0		20
Dibromochloromethane	97		100		63-130	3		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	98		95		70-130	3		20
Chlorobenzene	98		98		75-130	0		20
Trichlorofluoromethane	100		99		62-150	1		20
1,2-Dichloroethane	93		96		70-130	3		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		99		67-130	1		20
trans-1,3-Dichloropropene	92		97		70-130	5		20
cis-1,3-Dichloropropene	85		88		70-130	3		20
1,1-Dichloropropene	96		95		70-130	1		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	98		99		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10,12 Batch: WG939573-3 WG939573-4								
Chloromethane	96		98		64-130	2		20
Bromomethane	84		87		39-139	4		20
Vinyl chloride	87		86		55-140	1		20
Chloroethane	96		93		55-138	3		20
1,1-Dichloroethene	95		96		61-145	1		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		99		70-130	1		20
1,2-Dichlorobenzene	96		97		70-130	1		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	95		95		70-130	0		20
Methyl tert butyl ether	92		99		63-130	7		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	99		100		70-130	1		20
Dibromomethane	93		98		70-130	5		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Acrylonitrile	88		98		70-130	11		20
Isopropyl Ether	97		100		70-130	3		20
tert-Butyl Alcohol	88		92		70-130	4		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	98		95		36-147	3		20

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10,12 Batch: WG939573-3 WG939573-4								
Acetone	98		100		58-148	2		20
Carbon disulfide	94		93		51-130	1		20
2-Butanone	95		100		63-138	5		20
Vinyl acetate	98		100		70-130	2		20
4-Methyl-2-pentanone	74		73		59-130	1		20
2-Hexanone	69		75		57-130	8		20
Acrolein	74		74		40-160	0		20
Bromochloromethane	94		96		70-130	2		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	96		100		70-130	4		20
1,3-Dichloropropane	96		99		70-130	3		20
1,1,1,2-Tetrachloroethane	97		97		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	85		82		53-136	4		20
sec-Butylbenzene	96		92		70-130	4		20
tert-Butylbenzene	86		82		70-130	5		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	84		88		41-144	5		20
Hexachlorobutadiene	100		97		63-130	3		20
Isopropylbenzene	100		100		70-130	0		20

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10,12 Batch: WG939573-3 WG939573-4								
p-Isopropyltoluene	94		91		70-130	3		20
Naphthalene	58	Q	59	Q	70-130	2		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	68	Q	68	Q	70-130	0		20
1,2,4-Trichlorobenzene	65	Q	66	Q	70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
Methyl Acetate	98		100		70-130	2		20
Ethyl Acetate	87		96		70-130	10		20
Cyclohexane	92		91		70-130	1		20
Ethyl-Tert-Butyl-Ether	91		96		70-130	5		20
Tertiary-Amyl Methyl Ether	88		92		66-130	4		20
1,4-Dioxane	90		92		56-162	2		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	90		90		70-130	0		20
p-Diethylbenzene	84		81		70-130	4		20
p-Ethyltoluene	110		100		70-130	10		20
1,2,4,5-Tetramethylbenzene	86		84		70-130	2		20
Tetrahydrofuran	85		91		58-130	7		20
Ethyl ether	81		87		59-134	7		20
trans-1,4-Dichloro-2-butene	100		100		70-130	0		20
Iodomethane	66	Q	66	Q	70-130	0		20

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10,12 Batch: WG939573-3 WG939573-4								
Methyl cyclohexane	85		83		70-130	2		20

<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>Acceptance Criteria</b>
1,2-Dichloroethane-d4	85		87		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	92		91		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03,05-08 Batch: WG939994-3 WG939994-4								
Methylene chloride	90		87		70-130	3		30
1,1-Dichloroethane	116		114		70-130	2		30
Chloroform	105		103		70-130	2		30
Carbon tetrachloride	108		106		70-130	2		30
1,2-Dichloropropane	112		111		70-130	1		30
Dibromochloromethane	98		96		70-130	2		30
2-Chloroethylvinyl ether	91		82		70-130	10		30
1,1,2-Trichloroethane	102		101		70-130	1		30
Tetrachloroethene	108		107		70-130	1		30
Chlorobenzene	106		103		70-130	3		30
Trichlorofluoromethane	130		127		70-139	2		30
1,2-Dichloroethane	107		105		70-130	2		30
1,1,1-Trichloroethane	110		110		70-130	0		30
Bromodichloromethane	100		99		70-130	1		30
trans-1,3-Dichloropropene	100		96		70-130	4		30
cis-1,3-Dichloropropene	100		99		70-130	1		30
1,1-Dichloropropene	113		110		70-130	3		30
Bromoform	90		85		70-130	6		30
1,1,2,2-Tetrachloroethane	95		93		70-130	2		30
Benzene	106		104		70-130	2		30
Toluene	109		108		70-130	1		30

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03,05-08 Batch: WG939994-3 WG939994-4								
Ethylbenzene	111		110		70-130	1		30
Chloromethane	126		121		52-130	4		30
Bromomethane	114		115		57-147	1		30
Vinyl chloride	134	Q	130		67-130	3		30
Chloroethane	147		143		50-151	3		30
1,1-Dichloroethene	130		127		65-135	2		30
trans-1,2-Dichloroethene	109		109		70-130	0		30
Trichloroethene	112		110		70-130	2		30
1,2-Dichlorobenzene	102		100		70-130	2		30
1,3-Dichlorobenzene	106		104		70-130	2		30
1,4-Dichlorobenzene	106		103		70-130	3		30
Methyl tert butyl ether	103		99		66-130	4		30
p/m-Xylene	109		108		70-130	1		30
o-Xylene	107		106		70-130	1		30
cis-1,2-Dichloroethene	106		106		70-130	0		30
Dibromomethane	104		100		70-130	4		30
Styrene	108		106		70-130	2		30
Dichlorodifluoromethane	107		104		30-146	3		30
Acetone	137		136		54-140	1		30
Carbon disulfide	114		114		59-130	0		30
2-Butanone	114		107		70-130	6		30

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03,05-08 Batch: WG939994-3 WG939994-4								
Vinyl acetate	103		101		70-130	2		30
4-Methyl-2-pentanone	114		111		70-130	3		30
1,2,3-Trichloropropane	98		96		68-130	2		30
2-Hexanone	114		106		70-130	7		30
Bromochloromethane	107		106		70-130	1		30
2,2-Dichloropropane	109		107		70-130	2		30
1,2-Dibromoethane	99		98		70-130	1		30
1,3-Dichloropropane	102		100		69-130	2		30
1,1,1,2-Tetrachloroethane	103		101		70-130	2		30
Bromobenzene	100		99		70-130	1		30
n-Butylbenzene	120		117		70-130	3		30
sec-Butylbenzene	108		105		70-130	3		30
tert-Butylbenzene	105		104		70-130	1		30
o-Chlorotoluene	106		104		70-130	2		30
p-Chlorotoluene	106		103		70-130	3		30
1,2-Dibromo-3-chloropropane	90		86		68-130	5		30
Hexachlorobutadiene	91		90		67-130	1		30
Isopropylbenzene	104		103		70-130	1		30
p-Isopropyltoluene	109		106		70-130	3		30
Naphthalene	93		90		70-130	3		30
Acrylonitrile	119		112		70-130	6		30



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03,05-08 Batch: WG939994-3 WG939994-4								
Isopropyl Ether	117		114		66-130	3		30
tert-Butyl Alcohol	101		95		70-130	6		30
n-Propylbenzene	111		109		70-130	2		30
1,2,3-Trichlorobenzene	95		92		70-130	3		30
1,2,4-Trichlorobenzene	99		98		70-130	1		30
1,3,5-Trimethylbenzene	104		101		70-130	3		30
1,2,4-Trimethylbenzene	104		103		70-130	1		30
Methyl Acetate	114		108		51-146	5		30
Ethyl Acetate	101		99		70-130	2		30
Acrolein	132	Q	145	Q	70-130	9		30
Cyclohexane	132		129		59-142	2		30
1,4-Dioxane	86		84		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	122		117		50-139	4		30
p-Diethylbenzene	110		107		70-130	3		30
p-Ethyltoluene	104		102		70-130	2		30
1,2,4,5-Tetramethylbenzene	102		99		70-130	3		30
Tetrahydrofuran	110		107		66-130	3		30
Ethyl ether	120		117		67-130	3		30
trans-1,4-Dichloro-2-butene	88		80		70-130	10		30
Methyl cyclohexane	118		116		70-130	2		30
Ethyl-Tert-Butyl-Ether	113		111		70-130	2		30

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** THE DAILY FREEMAN

**Lab Number:** L1631369

**Project Number:** 16-159311.2

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03,05-08 Batch: WG939994-3 WG939994-4								
Tertiary-Amyl Methyl Ether	101		97		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	99		100		70-130

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG940021-3 WG940021-4								
Methylene chloride	116		114		70-130	2		30
1,1-Dichloroethane	108		108		70-130	0		30
Chloroform	100		98		70-130	2		30
Carbon tetrachloride	100		99		70-130	1		30
1,2-Dichloropropane	116		115		70-130	1		30
Dibromochloromethane	96		97		70-130	1		30
2-Chloroethylvinyl ether	124		124		70-130	0		30
1,1,2-Trichloroethane	101		102		70-130	1		30
Tetrachloroethene	104		107		70-130	3		30
Chlorobenzene	101		102		70-130	1		30
Trichlorofluoromethane	99		99		70-139	0		30
1,2-Dichloroethane	84		84		70-130	0		30
1,1,1-Trichloroethane	92		92		70-130	0		30
Bromodichloromethane	93		93		70-130	0		30
trans-1,3-Dichloropropene	90		92		70-130	2		30
cis-1,3-Dichloropropene	101		104		70-130	3		30
1,1-Dichloropropene	103		102		70-130	1		30
Bromoform	98		99		70-130	1		30
1,1,2,2-Tetrachloroethane	96		99		70-130	3		30
Benzene	106		105		70-130	1		30
Toluene	95		98		70-130	3		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG940021-3 WG940021-4								
Ethylbenzene	94		96		70-130	2		30
Chloromethane	117		116		52-130	1		30
Bromomethane	118		115		57-147	3		30
Vinyl chloride	134	Q	134	Q	67-130	0		30
Chloroethane	134		134		50-151	0		30
1,1-Dichloroethene	120		120		65-135	0		30
trans-1,2-Dichloroethene	113		114		70-130	1		30
Trichloroethene	102		104		70-130	2		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	99		100		70-130	1		30
1,4-Dichlorobenzene	99		100		70-130	1		30
Methyl tert butyl ether	100		98		66-130	2		30
p/m-Xylene	99		101		70-130	2		30
o-Xylene	99		99		70-130	0		30
cis-1,2-Dichloroethene	110		110		70-130	0		30
Dibromomethane	99		101		70-130	2		30
Styrene	95		96		70-130	1		30
Dichlorodifluoromethane	92		91		30-146	1		30
Acetone	122		110		54-140	10		30
Carbon disulfide	112		125		59-130	11		30
2-Butanone	106		105		70-130	1		30

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG940021-3 WG940021-4								
Vinyl acetate	105		104		70-130	1		30
4-Methyl-2-pentanone	99		100		70-130	1		30
1,2,3-Trichloropropane	86		88		68-130	2		30
2-Hexanone	85		87		70-130	2		30
Bromochloromethane	117		115		70-130	2		30
2,2-Dichloropropane	95		95		70-130	0		30
1,2-Dibromoethane	98		99		70-130	1		30
1,3-Dichloropropane	95		95		69-130	0		30
1,1,1,2-Tetrachloroethane	96		99		70-130	3		30
Bromobenzene	100		101		70-130	1		30
n-Butylbenzene	95		94		70-130	1		30
sec-Butylbenzene	93		95		70-130	2		30
tert-Butylbenzene	92		94		70-130	2		30
o-Chlorotoluene	90		90		70-130	0		30
p-Chlorotoluene	90		90		70-130	0		30
1,2-Dibromo-3-chloropropane	94		93		68-130	1		30
Hexachlorobutadiene	95		97		67-130	2		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	93		94		70-130	1		30
Naphthalene	95		95		70-130	0		30
Acrylonitrile	116		115		70-130	1		30

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG940021-3 WG940021-4								
Isopropyl Ether	114		114		66-130	0		30
tert-Butyl Alcohol	105		101		70-130	4		30
n-Propylbenzene	93		94		70-130	1		30
1,2,3-Trichlorobenzene	99		98		70-130	1		30
1,2,4-Trichlorobenzene	102		100		70-130	2		30
1,3,5-Trimethylbenzene	90		92		70-130	2		30
1,2,4-Trimethylbenzene	89		91		70-130	2		30
Methyl Acetate	115		114		51-146	1		30
Ethyl Acetate	101		102		70-130	1		30
Acrolein	127		140	Q	70-130	10		30
Cyclohexane	116		116		59-142	0		30
1,4-Dioxane	93		89		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	119		117		50-139	2		30
p-Diethylbenzene	98		96		70-130	2		30
p-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	92		92		70-130	0		30
Tetrahydrofuran	109		103		66-130	6		30
Ethyl ether	120		119		67-130	1		30
trans-1,4-Dichloro-2-butene	77		79		70-130	3		30
Methyl cyclohexane	108		109		70-130	1		30
Ethyl-Tert-Butyl-Ether	106		105		70-130	1		30

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG940021-3 WG940021-4								
Tertiary-Amyl Methyl Ether	102		100		70-130	2		30

<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>Acceptance Criteria</b>
1,2-Dichloroethane-d4	78		78		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	88		91		70-130
Dibromofluoromethane	102		99		70-130

# SEMIVOLATILES



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-07  
**Client ID:** B7  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 10/07/16 12:18  
**Analyst:** RC  
**Percent Solids:** 84%

**Date Collected:** 10/01/16 12:29  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 10/04/16 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1



Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

## SAMPLE RESULTS

Lab ID: L1631369-07

Date Collected: 10/01/16 12:29

Client ID: B7

Date Received: 10/01/16

Sample Location: 79 HURLEY AVENUE, KINGSTON, NY 12401

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-07**Date Collected:** 10/01/16 12:29**Client ID:** B7**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	52		18-120

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-08  
**Client ID:** B8  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 10/06/16 16:49  
**Analyst:** KV  
**Percent Solids:** 85%

**Date Collected:** 10/01/16 12:41  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3546  
**Extraction Date:** 10/04/16 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-08**Date Collected:** 10/01/16 12:41**Client ID:** B8**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	31.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-08**Date Collected:** 10/01/16 12:41**Client ID:** B8**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	71		18-120

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-09  
**Client ID:** B2-GW  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 10/06/16 18:07  
**Analyst:** RC

**Date Collected:** 10/01/16 11:09  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 10/04/16 20:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	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	1.1	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



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-09**Date Collected:** 10/01/16 11:09**Client ID:** B2-GW**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
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
2-Methylphenol	ND		ug/l	5.0	1.0	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
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	21		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	66		41-149



**Project Name:** THE DAILY FREEMAN**Project Number:** 16-159311.2**Lab Number:** L1631369**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-09  
**Client ID:** B2-GW  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Water  
**Analytical Method:** 1,8270D-SIM  
**Analytical Date:** 10/06/16 20:39  
**Analyst:** YW

**Date Collected:** 10/01/16 11:09  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 10/04/16 20:22

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	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	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:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-09**Date Collected:** 10/01/16 11:09**Client ID:** B2-GW**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	96		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	85		41-149

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-10  
**Client ID:** B4-GW  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 10/06/16 18:32  
**Analyst:** RC

**Date Collected:** 10/01/16 11:17  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 10/04/16 20:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	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	1.1	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



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-10**Date Collected:** 10/01/16 11:17**Client ID:** B4-GW**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
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
2-Methylphenol	ND		ug/l	5.0	1.0	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
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	1.9	J	ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	23		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	59		41-149

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-10      **D**  
**Client ID:** B4-GW  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Water  
**Analytical Method:** 1,8270D-SIM  
**Analytical Date:** 10/06/16 21:09  
**Analyst:** YW

**Date Collected:** 10/01/16 11:17  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 10/04/16 20:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.64	J	ug/l	1.0	0.35	10
2-Chloronaphthalene	ND		ug/l	2.0	0.35	10
Fluoranthene	1.5	J	ug/l	2.0	0.38	10
Hexachlorobutadiene	ND		ug/l	5.0	0.36	10
Naphthalene	70		ug/l	2.0	0.43	10
Benzo(a)anthracene	0.38	J	ug/l	2.0	0.16	10
Benzo(a)pyrene	ND		ug/l	2.0	0.39	10
Benzo(b)fluoranthene	ND		ug/l	2.0	0.16	10
Benzo(k)fluoranthene	ND		ug/l	2.0	0.42	10
Chrysene	ND		ug/l	2.0	0.38	10
Acenaphthylene	ND		ug/l	2.0	0.35	10
Anthracene	0.49	J	ug/l	2.0	0.35	10
Benzo(ghi)perylene	ND		ug/l	2.0	0.42	10
Fluorene	0.92	J	ug/l	2.0	0.37	10
Phenanthrene	2.4		ug/l	2.0	0.15	10
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.39	10
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40	10
Pyrene	1.0	J	ug/l	2.0	0.40	10
2-Methylnaphthalene	30		ug/l	2.0	0.45	10
Pentachlorophenol	ND		ug/l	8.0	2.2	10
Hexachlorobenzene	ND		ug/l	8.0	0.32	10
Hexachloroethane	ND		ug/l	8.0	0.30	10

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

Lab ID: L1631369-10 D

Date Collected: 10/01/16 11:17

Client ID: B4-GW

Date Received: 10/01/16

Sample Location: 79 HURLEY AVENUE, KINGSTON, NY 12401

Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	113		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	92		41-149

**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-11  
**Client ID:** B6-GW  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 10/06/16 18:56  
**Analyst:** RC

**Date Collected:** 10/01/16 11:37  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 10/04/16 20:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	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	1.1	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



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-11**Date Collected:** 10/01/16 11:37**Client ID:** B6-GW**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
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
2-Methylphenol	ND		ug/l	5.0	1.0	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
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	10		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	64		41-149



**Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS**

**Lab ID:** L1631369-11  
**Client ID:** B6-GW  
**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401  
**Matrix:** Water  
**Analytical Method:** 1,8270D-SIM  
**Analytical Date:** 10/06/16 19:09  
**Analyst:** YW

**Date Collected:** 10/01/16 11:37  
**Date Received:** 10/01/16  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 10/04/16 20:22

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	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	6.9		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	0.49		ug/l	0.20	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:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-11**Date Collected:** 10/01/16 11:37**Client ID:** B6-GW**Date Received:** 10/01/16**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY 12401**Field Prep:** Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	109		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	89		41-149

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 10/06/16 13:03  
 Analyst: KV

Extraction Method: EPA 3546  
 Extraction Date: 10/04/16 07:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG938488-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.



Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 10/06/16 13:03  
 Analyst: KV

Extraction Method: EPA 3546  
 Extraction Date: 10/04/16 07:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG938488-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 10/06/16 13:03  
 Analyst: KV

Extraction Method: EPA 3546  
 Extraction Date: 10/04/16 07:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG938488-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	47		10-136
4-Terphenyl-d14	54		18-120

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 10/06/16 12:32  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 10/04/16 20:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG938816-1					
Acenaphthene	ND		ug/l	2.0	0.59
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Hexachlorobenzene	ND		ug/l	2.0	0.58
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
2-Chloronaphthalene	ND		ug/l	2.0	0.64
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
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
Fluoranthene	ND		ug/l	2.0	0.57
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
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Hexachloroethane	ND		ug/l	2.0	0.68
Isophorone	ND		ug/l	5.0	0.60
Naphthalene	ND		ug/l	2.0	0.68
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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 10/06/16 12:32  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 10/04/16 20:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG938816-1					
Dimethyl phthalate	ND		ug/l	5.0	0.65
Benzo(a)anthracene	ND		ug/l	2.0	0.61
Benzo(a)pyrene	ND		ug/l	2.0	0.54
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60
Chrysene	ND		ug/l	2.0	0.54
Acenaphthylene	ND		ug/l	2.0	0.66
Anthracene	ND		ug/l	2.0	0.64
Benzo(ghi)perylene	ND		ug/l	2.0	0.61
Fluorene	ND		ug/l	2.0	0.62
Phenanthrene	ND		ug/l	2.0	0.61
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71
Pyrene	ND		ug/l	2.0	0.57
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	1.1
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
2-Methylnaphthalene	ND		ug/l	2.0	0.72
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
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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
 Analytical Date: 10/06/16 12:32  
 Analyst: RC

Extraction Method: EPA 3510C  
 Extraction Date: 10/04/16 20:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG938816-1					
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
Pentachlorophenol	ND		ug/l	10	3.4
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	10		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	72		41-149



Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM  
 Analytical Date: 10/05/16 22:30  
 Analyst: KL

Extraction Method: EPA 3510C  
 Extraction Date: 10/04/16 20:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09-11 Batch: WG938817-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	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: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM  
 Analytical Date: 10/05/16 22:30  
 Analyst: KL

Extraction Method: EPA 3510C  
 Extraction Date: 10/04/16 20:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09-11 Batch: WG938817-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	91		41-149

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG938488-2 WG938488-3								
Acenaphthene	62		63		31-137	2		50
Benzidine	26		22		10-66	17		50
1,2,4-Trichlorobenzene	64		65		38-107	2		50
Hexachlorobenzene	67		70		40-140	4		50
Bis(2-chloroethyl)ether	59		60		40-140	2		50
2-Chloronaphthalene	63		65		40-140	3		50
1,2-Dichlorobenzene	62		61		40-140	2		50
1,3-Dichlorobenzene	61		59		40-140	3		50
1,4-Dichlorobenzene	61		60		28-104	2		50
3,3'-Dichlorobenzidine	40		40		40-140	0		50
2,4-Dinitrotoluene	80		82		28-89	2		50
2,6-Dinitrotoluene	73		77		40-140	5		50
Azobenzene	62		63		40-140	2		50
Fluoranthene	67		69		40-140	3		50
4-Chlorophenyl phenyl ether	67		69		40-140	3		50
4-Bromophenyl phenyl ether	69		70		40-140	1		50
Bis(2-chloroisopropyl)ether	50		49		40-140	2		50
Bis(2-chloroethoxy)methane	60		62		40-117	3		50
Hexachlorobutadiene	71		71		40-140	0		50
Hexachlorocyclopentadiene	83		87		40-140	5		50
Hexachloroethane	64		63		40-140	2		50

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG938488-2 WG938488-3								
Isophorone	59		61		40-140	3		50
Naphthalene	61		63		40-140	3		50
Nitrobenzene	74		74		40-140	0		50
NitrosoDiPhenylAmine(NDPA)/DPA	66		67		36-157	2		50
n-Nitrosodi-n-propylamine	60		62		32-121	3		50
Bis(2-Ethylhexyl)phthalate	57		59		40-140	3		50
Butyl benzyl phthalate	64		66		40-140	3		50
Di-n-butylphthalate	63		65		40-140	3		50
Di-n-octylphthalate	56		57		40-140	2		50
Diethyl phthalate	64		66		40-140	3		50
Dimethyl phthalate	64		67		40-140	5		50
Benzo(a)anthracene	64		67		40-140	5		50
Benzo(a)pyrene	68		70		40-140	3		50
Benzo(b)fluoranthene	68		68		40-140	0		50
Benzo(k)fluoranthene	63		68		40-140	8		50
Chrysene	61		64		40-140	5		50
Acenaphthylene	63		66		40-140	5		50
Anthracene	64		66		40-140	3		50
Benzo(ghi)perylene	68		69		40-140	1		50
Fluorene	65		66		40-140	2		50
Phenanthrene	62		63		40-140	2		50

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG938488-2 WG938488-3								
Dibenzo(a,h)anthracene	68		70		40-140	3		50
Indeno(1,2,3-cd)Pyrene	68		70		40-140	3		50
Pyrene	65		67		35-142	3		50
Biphenyl	68		70		54-104	3		50
Aniline	42		40		40-140	5		50
4-Chloroaniline	50		41		40-140	20		50
1-Methylnaphthalene	61		63		26-130	3		50
2-Nitroaniline	73		77		47-134	5		50
3-Nitroaniline	57		56		26-129	2		50
4-Nitroaniline	68		70		41-125	3		50
Dibenzofuran	64		65		40-140	2		50
2-Methylnaphthalene	61		63		40-140	3		50
1,2,4,5-Tetrachlorobenzene	74		76		40-117	3		50
Acetophenone	67		70		14-144	4		50
n-Nitrosodimethylamine	58		57		22-100	2		50
2,4,6-Trichlorophenol	73		77		30-130	5		50
P-Chloro-M-Cresol	70		71		26-103	1		50
2-Chlorophenol	66		67		25-102	2		50
2,4-Dichlorophenol	70		71		30-130	1		50
2,4-Dimethylphenol	70		70		30-130	0		50
2-Nitrophenol	80		80		30-130	0		50

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG938488-2 WG938488-3								
4-Nitrophenol	68		70		11-114	3		50
2,4-Dinitrophenol	98		96		4-130	2		50
4,6-Dinitro-o-cresol	94		100		10-130	6		50
Pentachlorophenol	69		70		17-109	1		50
Phenol	62		63		26-90	2		50
2-Methylphenol	63		66		30-130.	5		50
3-Methylphenol/4-Methylphenol	65		66		30-130	2		50
2,4,5-Trichlorophenol	72		77		30-130	7		50
Benzoic Acid	46		40		10-110	14		50
Benzyl Alcohol	64		66		40-140	3		50
Carbazole	63		65		54-128	3		50
Pyridine	51		49		10-93	4		50
Parathion, ethyl	116		121		40-140	4		50
Atrazine	78		81		40-140	4		50
Benzaldehyde	50		50		40-140	0		50
Caprolactam	64		67		15-130	5		50
2,3,4,6-Tetrachlorophenol	72		75		40-140	4		50

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG938488-2 WG938488-3

<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>Acceptance Criteria</b>
2-Fluorophenol	63		63		25-120
Phenol-d6	65		66		10-120
Nitrobenzene-d5	76		77		23-120
2-Fluorobiphenyl	64		66		30-120
2,4,6-Tribromophenol	68		70		10-136
4-Terphenyl-d14	65		67		18-120

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG938816-2 WG938816-3								
Acenaphthene	67		59		37-111	13		30
Benzidine	5	Q	9	Q	10-75	51	Q	30
1,2,4-Trichlorobenzene	60		50		39-98	18		30
Hexachlorobenzene	81		80		40-140	1		30
Bis(2-chloroethyl)ether	60		52		40-140	14		30
2-Chloronaphthalene	64		56		40-140	13		30
1,2-Dichlorobenzene	55		47		40-140	16		30
1,3-Dichlorobenzene	50		45		40-140	11		30
1,4-Dichlorobenzene	54		44		36-97	20		30
3,3'-Dichlorobenzidine	50		51		40-140	2		30
2,4-Dinitrotoluene	73		72		24-96	1		30
2,6-Dinitrotoluene	74		75		40-140	1		30
Azobenzene	83		81		40-140	2		30
Fluoranthene	73		74		40-140	1		30
4-Chlorophenyl phenyl ether	66		62		40-140	6		30
4-Bromophenyl phenyl ether	72		70		40-140	3		30
Bis(2-chloroisopropyl)ether	37	Q	34	Q	40-140	8		30
Bis(2-chloroethoxy)methane	71		64		40-140	10		30
Hexachlorobutadiene	55		50		40-140	10		30
Hexachlorocyclopentadiene	35	Q	29	Q	40-140	19		30
Hexachloroethane	57		49		40-140	15		30



# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG938816-2 WG938816-3								
Isophorone	74		69		40-140	7		30
Naphthalene	58		52		40-140	11		30
Nitrobenzene	71		67		40-140	6		30
NDPA/DPA	70		70		40-140	0		30
n-Nitrosodi-n-propylamine	71		60		29-132	17		30
Bis(2-ethylhexyl)phthalate	74		76		40-140	3		30
Butyl benzyl phthalate	75		76		40-140	1		30
Di-n-butylphthalate	72		74		40-140	3		30
Di-n-octylphthalate	76		78		40-140	3		30
Diethyl phthalate	74		76		40-140	3		30
Dimethyl phthalate	73		72		40-140	1		30
Benzo(a)anthracene	66		66		40-140	0		30
Benzo(a)pyrene	71		72		40-140	1		30
Benzo(b)fluoranthene	72		72		40-140	0		30
Benzo(k)fluoranthene	76		76		40-140	0		30
Chrysene	70		70		40-140	0		30
Acenaphthylene	69		61		45-123	12		30
Anthracene	71		69		40-140	3		30
Benzo(ghi)perylene	70		71		40-140	1		30
Fluorene	70		66		40-140	6		30
Phenanthrene	68		67		40-140	1		30

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG938816-2 WG938816-3								
Dibenzo(a,h)anthracene	68		68		40-140	0		30
Indeno(1,2,3-cd)pyrene	69		69		40-140	0		30
Pyrene	73		72		26-127	1		30
Biphenyl	68		59		40-140	14		30
Aniline	22	Q	21	Q	40-140	5		30
4-Chloroaniline	54		45		40-140	18		30
1-Methylnaphthalene	70		61		41-103	14		30
2-Nitroaniline	71		68		52-143	4		30
3-Nitroaniline	46		44		25-145	4		30
4-Nitroaniline	49	Q	55		51-143	12		30
Dibenzofuran	67		61		40-140	9		30
2-Methylnaphthalene	61		52		40-140	16		30
1,2,4,5-Tetrachlorobenzene	65		56		2-134	15		30
Acetophenone	82		68		39-129	19		30
n-Nitrosodimethylamine	24		24		22-74	0		30
2,4,6-Trichlorophenol	59		56		30-130	5		30
p-Chloro-m-cresol	64		61		23-97	5		30
2-Chlorophenol	53		47		27-123	12		30
2,4-Dichlorophenol	70		64		30-130	9		30
2,4-Dimethylphenol	71		62		30-130	14		30
2-Nitrophenol	78		66		30-130	17		30

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG938816-2 WG938816-3								
4-Nitrophenol	28		23		10-80	20		30
2,4-Dinitrophenol	55		52		20-130	6		30
4,6-Dinitro-o-cresol	66		67		20-164	2		30
Pentachlorophenol	62		64		9-103	3		30
Phenol	13		20		12-110	42	Q	30
2-Methylphenol	46		40		30-130	14		30
3-Methylphenol/4-Methylphenol	38		36		30-130	5		30
2,4,5-Trichlorophenol	82		77		30-130	6		30
Benzoic Acid	0	Q	0	Q	10-164	NC		30
Benzyl Alcohol	46		37		26-116	22		30
Carbazole	68		67		55-144	1		30
Pyridine	16		18		10-66	12		30
Parathion, ethyl	83		84		40-140	1		30
Atrazine	75		77		40-140	3		30
Benzaldehyde	52		44		40-140	17		30
Caprolactam	10		10		10-130	0		30
2,3,4,6-Tetrachlorophenol	81		80		40-140	1		30

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** THE DAILY FREEMAN**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG938816-2 WG938816-3

<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>Acceptance Criteria</b>
2-Fluorophenol	25		22		21-120
Phenol-d6	16		15		10-120
Nitrobenzene-d5	74		67		23-120
2-Fluorobiphenyl	71		67		15-120
2,4,6-Tribromophenol	85		90		10-120
4-Terphenyl-d14	69		71		41-149

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09-11 Batch: WG938817-2 WG938817-3								
Acenaphthene	88		88		37-111	0		40
2-Chloronaphthalene	89		87		40-140	2		40
Fluoranthene	90		94		40-140	4		40
Hexachlorobutadiene	76		74		40-140	3		40
Naphthalene	81		80		40-140	1		40
Benzo(a)anthracene	94		98		40-140	4		40
Benzo(a)pyrene	81		84		40-140	4		40
Benzo(b)fluoranthene	86		89		40-140	3		40
Benzo(k)fluoranthene	83		84		40-140	1		40
Chrysene	85		89		40-140	5		40
Acenaphthylene	100		100		40-140	0		40
Anthracene	92		97		40-140	5		40
Benzo(ghi)perylene	87		89		40-140	2		40
Fluorene	98		97		40-140	1		40
Phenanthrene	87		90		40-140	3		40
Dibenzo(a,h)anthracene	89		89		40-140	0		40
Indeno(1,2,3-cd)pyrene	90		91		40-140	1		40
Pyrene	83		87		26-127	5		40
1-Methylnaphthalene	87		87		40-140	0		40
2-Methylnaphthalene	91		91		40-140	0		40
Pentachlorophenol	74		73		9-103	1		40

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** THE DAILY FREEMAN

**Lab Number:** L1631369

**Project Number:** 16-159311.2

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09-11 Batch: WG938817-2 WG938817-3								
Hexachlorobenzene	88		91		40-140	3		40
Hexachloroethane	83		83		40-140	0		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	41		41		21-120
Phenol-d6	26		27		10-120
Nitrobenzene-d5	90		90		23-120
2-Fluorobiphenyl	92		92		15-120
2,4,6-Tribromophenol	104		107		10-120
4-Terphenyl-d14	89		93		41-149

## METALS

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

## SAMPLE RESULTS

Lab ID: L1631369-07

Date Collected: 10/01/16 12:29

Client ID: B7

Date Received: 10/01/16

Sample Location: 79 HURLEY AVENUE, KINGSTON, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.4	0.38	1	10/05/16 07:25	10/06/16 02:41	EPA 3050B	1,6010C	FB
Arsenic, Total	6.0		mg/kg	0.47	0.16	1	10/05/16 07:25	10/06/16 02:41	EPA 3050B	1,6010C	FB
Beryllium, Total	0.29		mg/kg	0.24	0.05	1	10/05/16 07:25	10/06/16 02:41	EPA 3050B	1,6010C	FB
Cadmium, Total	ND		mg/kg	0.47	0.03	1	10/05/16 07:25	10/06/16 02:41	EPA 3050B	1,6010C	FB
Chromium, Total	12		mg/kg	0.47	0.08	1	10/05/16 07:25	10/06/16 02:41	EPA 3050B	1,6010C	FB
Copper, Total	16		mg/kg	0.47	0.09	1	10/05/16 07:25	10/06/16 02:41	EPA 3050B	1,6010C	FB
Lead, Total	9.0		mg/kg	2.4	0.10	1	10/05/16 07:25	10/06/16 02:41	EPA 3050B	1,6010C	FB
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	10/05/16 09:00	10/06/16 15:02	EPA 7471B	1,7471B	BV
Nickel, Total	18		mg/kg	1.2	0.19	1	10/05/16 07:25	10/06/16 02:41	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	0.94	0.13	1	10/05/16 07:25	10/06/16 02:41	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.47	0.09	1	10/05/16 07:25	10/06/16 02:41	EPA 3050B	1,6010C	FB
Thallium, Total	ND		mg/kg	0.94	0.15	1	10/05/16 07:25	10/06/16 02:41	EPA 3050B	1,6010C	FB
Zinc, Total	44		mg/kg	2.4	0.33	1	10/05/16 07:25	10/06/16 02:41	EPA 3050B	1,6010C	FB





Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

## SAMPLE RESULTS

Lab ID: L1631369-08

Date Collected: 10/01/16 12:41

Client ID: B8

Date Received: 10/01/16

Sample Location: 79 HURLEY AVENUE, KINGSTON, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.3	0.37	1	10/05/16 07:25	10/06/16 02:45	EPA 3050B	1,6010C	FB
Arsenic, Total	6.2		mg/kg	0.46	0.15	1	10/05/16 07:25	10/06/16 02:45	EPA 3050B	1,6010C	FB
Beryllium, Total	0.29		mg/kg	0.23	0.05	1	10/05/16 07:25	10/06/16 02:45	EPA 3050B	1,6010C	FB
Cadmium, Total	ND		mg/kg	0.46	0.03	1	10/05/16 07:25	10/06/16 02:45	EPA 3050B	1,6010C	FB
Chromium, Total	12		mg/kg	0.46	0.08	1	10/05/16 07:25	10/06/16 02:45	EPA 3050B	1,6010C	FB
Copper, Total	16		mg/kg	0.46	0.08	1	10/05/16 07:25	10/06/16 02:45	EPA 3050B	1,6010C	FB
Lead, Total	9.9		mg/kg	2.3	0.10	1	10/05/16 07:25	10/06/16 02:45	EPA 3050B	1,6010C	FB
Mercury, Total	0.03	J	mg/kg	0.07	0.02	1	10/05/16 09:00	10/06/16 15:04	EPA 7471B	1,7471B	BV
Nickel, Total	18		mg/kg	1.2	0.18	1	10/05/16 07:25	10/06/16 02:45	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	0.92	0.12	1	10/05/16 07:25	10/06/16 02:45	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.46	0.09	1	10/05/16 07:25	10/06/16 02:45	EPA 3050B	1,6010C	FB
Thallium, Total	ND		mg/kg	0.92	0.15	1	10/05/16 07:25	10/06/16 02:45	EPA 3050B	1,6010C	FB
Zinc, Total	44		mg/kg	2.3	0.32	1	10/05/16 07:25	10/06/16 02:45	EPA 3050B	1,6010C	FB



Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

## 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): 07-08 Batch: WG938909-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/05/16 09:00	10/06/16 11:36	1,7471B	BV

### Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07-08 Batch: WG938931-1										
Antimony, Total	ND		mg/kg	2.0	0.32	1	10/05/16 07:25	10/06/16 00:48	1,6010C	FB
Arsenic, Total	ND		mg/kg	0.40	0.13	1	10/05/16 07:25	10/06/16 00:48	1,6010C	FB
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/05/16 07:25	10/06/16 00:48	1,6010C	FB
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/05/16 07:25	10/06/16 00:48	1,6010C	FB
Chromium, Total	0.36	J	mg/kg	0.40	0.07	1	10/05/16 07:25	10/06/16 00:48	1,6010C	FB
Copper, Total	ND		mg/kg	0.40	0.07	1	10/05/16 07:25	10/06/16 03:33	1,6010C	FB
Lead, Total	ND		mg/kg	2.0	0.09	1	10/05/16 07:25	10/06/16 00:48	1,6010C	FB
Nickel, Total	ND		mg/kg	1.0	0.16	1	10/05/16 07:25	10/06/16 00:48	1,6010C	FB
Selenium, Total	ND		mg/kg	0.80	0.11	1	10/05/16 07:25	10/06/16 00:48	1,6010C	FB
Silver, Total	ND		mg/kg	0.40	0.08	1	10/05/16 07:25	10/06/16 00:48	1,6010C	FB
Thallium, Total	ND		mg/kg	0.80	0.13	1	10/05/16 07:25	10/06/16 00:48	1,6010C	FB
Zinc, Total	0.37	J	mg/kg	2.0	0.28	1	10/05/16 07:25	10/06/16 00:48	1,6010C	FB

### Prep Information

Digestion Method: EPA 3050B



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** THE DAILY FREEMAN

**Project Number:** 16-159311.2

**Lab Number:** L1631369

**Report Date:** 10/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-08 Batch: WG938909-2 SRM Lot Number: D091-540								
Mercury, Total	89		-		72-128	-		
Total Metals - Mansfield Lab Associated sample(s): 07-08 Batch: WG938931-2 SRM Lot Number: D091-540								
Antimony, Total	163		-		1-200	-		
Arsenic, Total	110		-		80-121	-		
Beryllium, Total	103		-		83-117	-		
Cadmium, Total	108		-		83-117	-		
Chromium, Total	105		-		80-119	-		
Copper, Total	104		-		82-117	-		
Lead, Total	103		-		82-118	-		
Nickel, Total	108		-		83-117	-		
Selenium, Total	101		-		79-121	-		
Silver, Total	102		-		75-124	-		
Thallium, Total	106		-		80-121	-		
Zinc, Total	103		-		82-118	-		

# Matrix Spike Analysis

## Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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): 07-08			QC Batch ID: WG938909-4			QC Sample: L1631434-01			Client ID: MS Sample			
Mercury, Total	0.25	0.16	0.37	75	Q	-	-		80-120	-		20
Total Metals - Mansfield Lab Associated sample(s): 07-08			QC Batch ID: WG938931-4			QC Sample: L1631502-01			Client ID: MS Sample			
Antimony, Total	160	43.5	460	690	Q	-	-		75-125	-		20
Arsenic, Total	41.	10.4	48	67	Q	-	-		75-125	-		20
Beryllium, Total	0.45	4.35	3.5	70	Q	-	-		75-125	-		20
Cadmium, Total	2.3	4.44	5.1	63	Q	-	-		75-125	-		20
Chromium, Total	27.	17.4	40	75		-	-		75-125	-		20
Copper, Total	440	21.8	260	0	Q	-	-		75-125	-		20
Lead, Total	1300	44.4	2800	3380	Q	-	-		75-125	-		20
Nickel, Total	31.	43.5	54	53	Q	-	-		75-125	-		20
Selenium, Total	0.89	10.4	9.8	85		-	-		75-125	-		20
Silver, Total	0.62	26.1	24	90		-	-		75-125	-		20
Thallium, Total	ND	10.4	5.6	54	Q	-	-		75-125	-		20
Zinc, Total	510	43.5	480	0	Q	-	-		75-125	-		20

**Project Name:** THE DAILY FREEMAN  
**Project Number:** 16-159311.2

## Lab Duplicate Analysis

Batch Quality Control

**Lab Number:** L1631369  
**Report Date:** 10/07/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-08 QC Batch ID: WG938909-3 QC Sample: L1631434-01 Client ID: DUP Sample						
Mercury, Total	0.25	0.94	mg/kg	116	Q	20
Total Metals - Mansfield Lab Associated sample(s): 07-08 QC Batch ID: WG938931-3 QC Sample: L1631502-01 Client ID: DUP Sample						
Arsenic, Total	41.	31	mg/kg	28	Q	20
Lead, Total	1300	1000	mg/kg	26	Q	20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** THE DAILY FREEMAN**Project Number:** 16-159311.2**Lab Number:** L1631369**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-01**Client ID:** B1**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY**Matrix:** Soil**Date Collected:** 10/01/16 09:21**Date Received:** 10/01/16**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	10/04/16 11:55	121,2540G	RI



**Project Name:** THE DAILY FREEMAN**Project Number:** 16-159311.2**Lab Number:** L1631369**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-02**Client ID:** B2**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY**Matrix:** Soil**Date Collected:** 10/01/16 09:43**Date Received:** 10/01/16**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	10/04/16 11:55	121,2540G	RI





**Project Name:** THE DAILY FREEMAN**Project Number:** 16-159311.2**Lab Number:** L1631369**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-03**Client ID:** B3**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY**Matrix:** Soil**Date Collected:** 10/01/16 10:00**Date Received:** 10/01/16**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.3		%	0.100	NA	1	-	10/04/16 11:55	121,2540G	RI



**Project Name:** THE DAILY FREEMAN**Project Number:** 16-159311.2**Lab Number:** L1631369**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-04**Client ID:** B4**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY**Matrix:** Soil**Date Collected:** 10/01/16 10:12**Date Received:** 10/01/16**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.0		%	0.100	NA	1	-	10/04/16 11:55	121,2540G	RI



**Project Name:** THE DAILY FREEMAN**Project Number:** 16-159311.2**Lab Number:** L1631369**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-05**Client ID:** B5**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY**Matrix:** Soil**Date Collected:** 10/01/16 10:29**Date Received:** 10/01/16**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.0		%	0.100	NA	1	-	10/04/16 11:55	121,2540G	RI



**Project Name:** THE DAILY FREEMAN**Project Number:** 16-159311.2**Lab Number:** L1631369**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-06**Client ID:** B6**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY**Matrix:** Soil**Date Collected:** 10/01/16 10:58**Date Received:** 10/01/16**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	10/04/16 11:55	121,2540G	RI



**Project Name:** THE DAILY FREEMAN**Project Number:** 16-159311.2**Lab Number:** L1631369**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-07**Client ID:** B7**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY**Matrix:** Soil**Date Collected:** 10/01/16 12:29**Date Received:** 10/01/16**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	10/04/16 11:55	121,2540G	RI



**Project Name:** THE DAILY FREEMAN**Project Number:** 16-159311.2**Lab Number:** L1631369**Report Date:** 10/07/16**SAMPLE RESULTS****Lab ID:** L1631369-08**Client ID:** B8**Sample Location:** 79 HURLEY AVENUE, KINGSTON, NY**Matrix:** Soil**Date Collected:** 10/01/16 12:41**Date Received:** 10/01/16**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	10/04/16 11:55	121,2540G	RI



**Lab Duplicate Analysis**  
Batch Quality Control**Project Name:** THE DAILY FREEMAN**Project Number:** 16-159311.2**Lab Number:** L1631369**Report Date:** 10/07/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG938614-1 QC Sample: L1631369-01 Client ID: B1						
Solids, Total	82.8	82.6	%	0		20

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 10/01/2016 16:55

## Cooler Information Custody Seal

## Cooler

A Absent

## Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1631369-01A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-01B	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-01C	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-01D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1631369-02A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-02B	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-02C	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-02D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1631369-03A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-03B	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-03C	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-03D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1631369-04A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-04B	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-04C	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-04D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1631369-05A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-05B	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-05C	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-05D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1631369-06A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-06B	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-06C	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-06D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1631369-07A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-07B	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-07C	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)

\*Values in parentheses indicate holding time in days





**Project Name:** THE DAILY FREEMAN**Project Number:** 16-159311.2**Lab Number:** L1631369**Report Date:** 10/07/16**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1631369-07D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1631369-07E	Metals Only - Glass 60mL/2oz unp	A	N/A	2.9	Y	Absent	BE-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),HG-T(28),CD-Ti(180)
L1631369-07F	Glass 120ml/4oz unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8270(14)
L1631369-08A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-08B	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-08C	Vial water preserved	A	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1631369-08D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1631369-08E	Metals Only - Glass 60mL/2oz unp	A	N/A	2.9	Y	Absent	BE-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),HG-T(28),CD-Ti(180)
L1631369-08F	Glass 120ml/4oz unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8270(14)
L1631369-09A	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1631369-09B	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1631369-09C	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1631369-09D	Amber 1000ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1631369-09E	Amber 1000ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1631369-10A	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1631369-10B	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1631369-10C	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1631369-10D	Amber 1000ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1631369-10E	Amber 1000ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1631369-11A	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1631369-11B	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1631369-11C	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1631369-11D	Amber 1000ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1631369-11E	Amber 1000ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1631369-12A	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1631369-12B	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1631369-12C	Vial HCl preserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)

\*Values in parentheses indicate holding time in days



**Project Name:** THE DAILY FREEMAN  
**Project Number:** 16-159311.2

**Lab Number:** L1631369  
**Report Date:** 10/07/16

## 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

**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.

**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.

### 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 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

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** THE DAILY FREEMAN  
**Project Number:** 16-159311.2

**Lab Number:** L1631369  
**Report Date:** 10/07/16

#### Data Qualifiers

- 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.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** THE DAILY FREEMAN  
**Project Number:** 16-159311.2

**Lab Number:** L1631369  
**Report Date:** 10/07/16

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## 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.



**Alpha Analytical, Inc.**

ID No.:17873

Facility: **Company-wide**

Revision 7

Department: **Quality Assurance**

Published Date: 8/5/2016 11:25:56 AM

Title: **Certificate/Approval Program Summary**

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**Certification Information**

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**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:** NPW and SCM: Perchlorate**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation**EPA 9012B:** NPW: Total Cyanide**EPA 9050A:** NPW: Specific Conductance**SM3500:** NPW: Ferrous Iron**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**SM5310C:** DW: Dissolved Organic Carbon**Mansfield Facility****SM 2540D:** TSS**EPA 3005A** NPW**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**

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**The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility:****Drinking Water****EPA 300.0:** 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, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **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, SM9222D-MF.****Mansfield Facility:****Drinking Water****EPA 200.7:** Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.****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**

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

**Alpha Analytical, Inc.**  
35 Whitney Road, Suite 5  
Mahwah, NJ 07430

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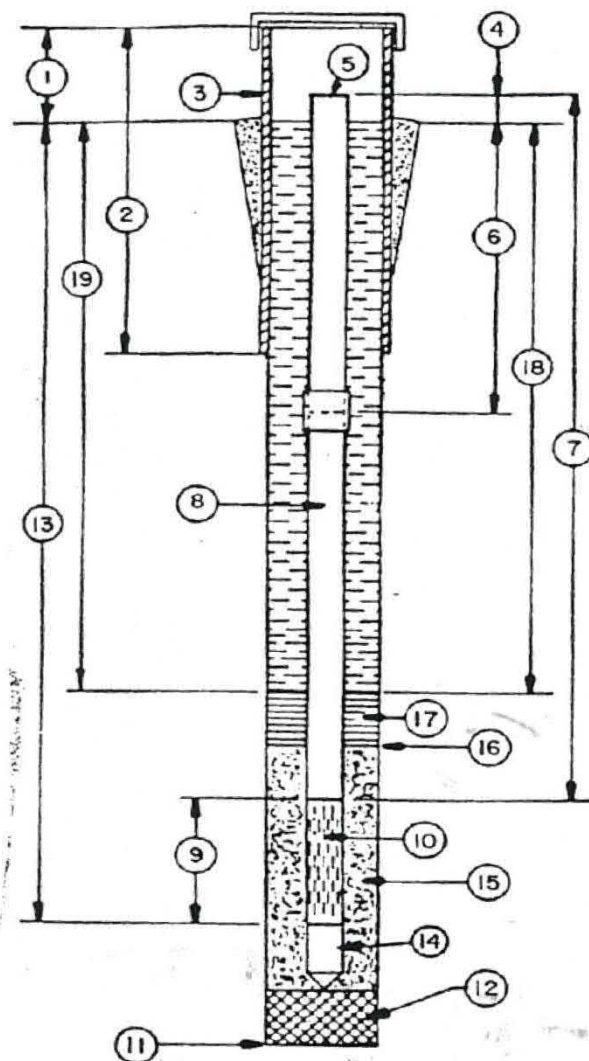
**Appendix C:**  
**LABORATORY REPORTS**

**Appendix D:**  
**MONITORING WELL LOGS**

Monitoring Well ID: MW-2  
Location: Former B-4  
Date of Installation: 7/11/2017  
Ground Surface Elevation: \_\_\_\_\_  
Logger: RR

Job No.: 17242956

Time Start: 745  
Drilling Firm: Summit  
Signature: \_\_\_\_\_



1: Height of Protective Casing Above Ground: flush  
2: Total Length of Protective Casing: 8 inches  
3: Type of Protective Casing: plastic  
4: Height of Well Standpipe Above Ground: 4 inches  
5: Type of Standing Pipe Cap: gripper plug  
6: Depth of First Joint: 3 feet  
Interval: \_\_\_\_\_  
7: Total Length of Blank Pipe: 3 feet  
8: Type of Blank Pipe: 4 inch schedule 40 PVC  
9: Length of Screen: 17 feet  
10: Type of Screen: 10 slot  
11: Total Depth of Boring: 20 feet  
12: Type of Material: Fill/CL  
13: Depth to Bottom of Screen: 20  
14: Well Point Length: 3 inches (cap)  
15: Type of Screen Filter Pack: sand  
Quantity Used: 16 bags  
16: Depth to Top of Filter Pack: 1.5 feet  
17: Type of Screen Seal: bentonite  
Quantity Used: \_\_\_\_\_  
18: Depth to Top of Seal: 6 inches  
19: Depth of Concrete Grout: 6 inches  
Type of Grout Mixture: portland

**PARTNER**  
Engineering and Science, Inc.

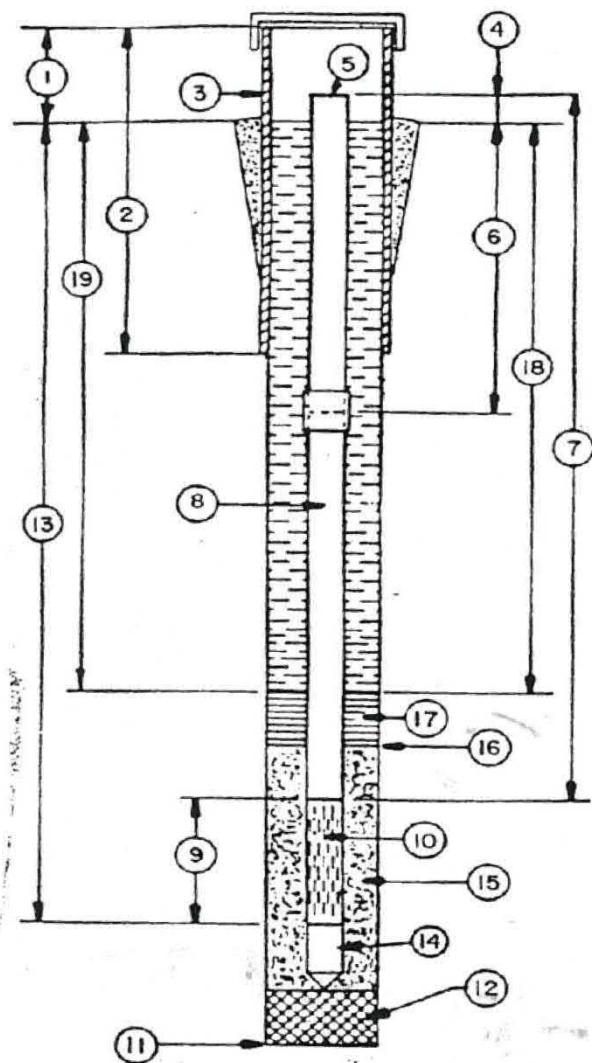
Monitoring Well ID: MW-3  
Location: Former B-11  
Date of Installation: 7/10/2017  
Ground Surface Elevation: \_\_\_\_\_  
Logger: RR

Job No.: 17242956

Time Start: 1300

Drilling Firm: Summit

Signature: \_\_\_\_\_



**PARTNER**  
Engineering and Science, Inc.

**Appendix C: LABORATORY  
RESULTS**

The results set forth herein are provided by SGS North America Inc.

*e-Hardcopy 2.0*  
*Automated Report*

## Technical Report for

### Partner Engineering & Science

79 Hurley Avenue, Kingston, NY

17242956-EN

SGS Job Number: JC43253

Sampling Date: 05/12/17

### Report to:

Partner Engineering & Science

channa@partneresi.com

ATTN: Cilien Hanna

Total number of pages in report: 57



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

A handwritten signature in black ink that reads "Nancy Cole".

Nancy Cole  
Laboratory Director

Client Service contact: Kelly Patterson 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.

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## Sample Summary

Partner Engineering & Science

Job No: JC43253

79 Hurley Avenue, Kingston, NY

Project No: 17242956-EN

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JC43253-1	05/12/17	09:00 AH	05/13/17	SO	Soil	B-9
JC43253-2	05/12/17	09:45 AH	05/13/17	SO	Soil	B-10
JC43253-3	05/12/17	10:30 AH	05/13/17	SO	Soil	B-11
JC43253-4	05/12/17	11:50 AH	05/13/17	SO	Soil	B-12
JC43253-5	05/12/17	12:05 AH	05/13/17	SO	Soil	B-12A
JC43253-6	05/12/17	13:15 AH	05/13/17	SO	Soil	B-13
JC43253-7	05/12/17	09:30 AH	05/13/17	AQ	Ground Water	B-9GW
JC43253-8	05/12/17	12:00 AH	05/13/17	AQ	Ground Water	B-10GW
JC43253-9	05/12/17	11:45 AH	05/13/17	AQ	Ground Water	B-11GW
JC43253-10	05/12/17	13:35 AH	05/13/17	AQ	Ground Water	B-13GW
JC43253-11	05/12/17	13:35 AH	05/13/17	AQ	Trip Blank Water	TB

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



## Summary of Hits

Job Number: JC43253  
Account: Partner Engineering & Science  
Project: 79 Hurley Avenue, Kingston, NY  
Collected: 05/12/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

JC43253-1 B-9

Acetone	0.0107	0.0096	0.0048	mg/kg	SW846 8260C
m,p-Xylene	0.00043 J	0.00096	0.00021	mg/kg	SW846 8260C
Xylene (total)	0.00043 J	0.00096	0.00019	mg/kg	SW846 8260C
Total TIC, Semi-Volatile	0.68 J			mg/kg	

JC43253-2 B-10

Acetone	0.0069 J	0.0092	0.0046	mg/kg	SW846 8260C
Isopropylbenzene	0.00019 J	0.0018	0.00014	mg/kg	SW846 8260C
Methyl Tert Butyl Ether	0.00031 J	0.00092	0.00024	mg/kg	SW846 8260C

JC43253-3 B-11

Methyl Tert Butyl Ether	0.793	0.072	0.019	mg/kg	SW846 8260C
m,p-Xylene	0.00044 J	0.0011	0.00024	mg/kg	SW846 8260C
Xylene (total)	0.00044 J	0.0011	0.00022	mg/kg	SW846 8260C

JC43253-4 B-12

Acetone	0.0077 J	0.011	0.0056	mg/kg	SW846 8260C
Benzene	0.0011	0.00056	0.00013	mg/kg	SW846 8260C
Chlorobenzene	0.00028 J	0.0022	0.00018	mg/kg	SW846 8260C
Cyclohexane	0.0026	0.0022	0.00061	mg/kg	SW846 8260C
Ethylbenzene	0.0095	0.0011	0.00017	mg/kg	SW846 8260C
2-Hexanone	0.0149	0.0056	0.0016	mg/kg	SW846 8260C
Isopropylbenzene	0.0024	0.0022	0.00017	mg/kg	SW846 8260C
Methylcyclohexane	0.0052	0.0022	0.00056	mg/kg	SW846 8260C
Methylene chloride	0.0014 J	0.0056	0.0011	mg/kg	SW846 8260C
m,p-Xylene	0.0033	0.0011	0.00024	mg/kg	SW846 8260C
o-Xylene	0.00054 J	0.0011	0.00023	mg/kg	SW846 8260C
Xylene (total)	0.0038	0.0011	0.00023	mg/kg	SW846 8260C
Total TIC, Volatile	1.06 J			mg/kg	
1,1'-Biphenyl	0.0182 J	0.090	0.0062	mg/kg	SW846 8270D
2-Methylnaphthalene	0.926	0.090	0.010	mg/kg	SW846 8270D
Naphthalene	0.249	0.045	0.013	mg/kg	SW846 8270D
Total TIC, Semi-Volatile	27.41 J			mg/kg	

JC43253-5 B-12A

Acetone	0.0939	0.011	0.0056	mg/kg	SW846 8260C
Methyl Tert Butyl Ether	0.00089 J	0.0011	0.00030	mg/kg	SW846 8260C
m,p-Xylene	0.00046 J	0.0011	0.00024	mg/kg	SW846 8260C
Xylene (total)	0.00046 J	0.0011	0.00023	mg/kg	SW846 8260C

## Summary of Hits

Job Number: JC43253  
Account: Partner Engineering & Science  
Project: 79 Hurley Avenue, Kingston, NY  
Collected: 05/12/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Total TIC, Volatile		0.031 J			mg/kg	
JC43253-6	B-13					
m,p-Xylene		0.00034 J	0.0011	0.00024	mg/kg	SW846 8260C
Xylene (total)		0.00034 J	0.0011	0.00022	mg/kg	SW846 8260C
JC43253-7	B-9GW					
No hits reported in this sample.						
JC43253-8	B-10GW					
Acetone		5.6 J	10	5.0	ug/l	SW846 8260C
Methyl Tert Butyl Ether		2.1	1.0	0.34	ug/l	SW846 8260C
Total TIC, Semi-Volatile		7.7 J			ug/l	
JC43253-9	B-11GW					
Benzene		0.48 J	1.3	0.35	ug/l	SW846 8260C
Methyl Tert Butyl Ether		1270	10	3.4	ug/l	SW846 8260C
Total TIC, Semi-Volatile		21.1 J			ug/l	
JC43253-10	B-13GW					
Total TIC, Semi-Volatile		6.8 J			ug/l	
JC43253-11	TB					
No hits reported in this sample.						

## Sample Results

## Report of Analysis

## Report of Analysis

Client Sample ID:	B-9	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-1	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C137254.D	1	05/16/17 12:18	PS	05/13/17 15:00	n/a	V3C6232
Run #2							

Run #	Initial Weight
Run #1	6.4 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0107	0.0096	0.0048	mg/kg	
71-43-2	Benzene	ND	0.00048	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0048	0.00031	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0019	0.00015	mg/kg	
75-25-2	Bromoform	ND	0.0048	0.00025	mg/kg	
74-83-9	Bromomethane	ND	0.0048	0.00046	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0096	0.0017	mg/kg	
75-15-0	Carbon disulfide	ND	0.0019	0.00016	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0019	0.00016	mg/kg	
108-90-7	Chlorobenzene	ND	0.0019	0.00016	mg/kg	
75-00-3	Chloroethane	ND	0.0048	0.00041	mg/kg	
67-66-3	Chloroform	ND	0.0019	0.00023	mg/kg	
74-87-3	Chloromethane	ND	0.0048	0.00020	mg/kg	
110-82-7	Cyclohexane	ND	0.0019	0.00052	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0019	0.00046	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0019	0.00014	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00096	0.00023	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00096	0.00016	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00096	0.00013	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00096	0.00015	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0048	0.00052	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00096	0.00018	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00096	0.00016	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00096	0.00015	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00096	0.00042	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00096	0.00015	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0019	0.00030	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0019	0.00019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0019	0.00021	mg/kg	
100-41-4	Ethylbenzene	ND	0.00096	0.00014	mg/kg	
76-13-1	Freon 113	ND	0.0048	0.00046	mg/kg	
591-78-6	2-Hexanone	ND	0.0048	0.0013	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-9	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-1	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0019	0.00015	mg/kg	
79-20-9	Methyl Acetate	ND	0.0048	0.0019	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0019	0.00048	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00096	0.00025	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0048	0.00081	mg/kg	
75-09-2	Methylene chloride	ND	0.0048	0.00096	mg/kg	
100-42-5	Styrene	ND	0.0019	0.00014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0019	0.00023	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0019	0.00027	mg/kg	
108-88-3	Toluene	ND	0.00096	0.00012	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0048	0.00048	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0048	0.00048	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0019	0.00016	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0019	0.00031	mg/kg	
79-01-6	Trichloroethene	ND	0.00096	0.00018	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0048	0.00060	mg/kg	
75-01-4	Vinyl chloride	ND	0.0019	0.00019	mg/kg	
	m,p-Xylene	0.00043	0.00096	0.00021	mg/kg	J
95-47-6	o-Xylene	ND	0.00096	0.00019	mg/kg	
1330-20-7	Xylene (total)	0.00043	0.00096	0.00019	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-122%
17060-07-0	1,2-Dichloroethane-D4	101%		68-124%
2037-26-5	Toluene-D8	94%		77-125%
460-00-4	4-Bromofluorobenzene	102%		72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-9	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-1	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P114069.D	1	05/22/17 13:09	RL	05/16/17	OP2859	EP5091
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.081	0.020	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.025	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.035	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.072	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.20	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.20	0.043	mg/kg	
95-48-7	2-Methylphenol	ND	0.081	0.026	mg/kg	
	3&4-Methylphenol	ND	0.081	0.033	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.027	mg/kg	
100-02-7	4-Nitrophenol	ND	0.40	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.16	0.038	mg/kg	
108-95-2	Phenol	ND	0.081	0.021	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.027	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.030	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.024	mg/kg	
83-32-9	Acenaphthene	ND	0.040	0.014	mg/kg	
208-96-8	Acenaphthylene	ND	0.040	0.021	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0087	mg/kg	
120-12-7	Anthracene	ND	0.040	0.025	mg/kg	
1912-24-9	Atrazine	ND	0.081	0.017	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.040	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.040	0.018	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.040	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.040	0.019	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.081	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.081	0.0099	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.081	0.0055	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.081	0.0096	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.015	mg/kg	
86-74-8	Carbazole	ND	0.081	0.0059	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-9	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-1	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.081	0.016	mg/kg	
218-01-9	Chrysene	ND	0.040	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.081	0.0087	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.081	0.017	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.081	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.081	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.040	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.040	0.020	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.081	0.034	mg/kg	
123-91-1	1,4-Dioxane	ND	0.040	0.027	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.040	0.018	mg/kg	
132-64-9	Dibenzofuran	ND	0.081	0.016	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.081	0.0066	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.081	0.010	mg/kg	
84-66-2	Diethyl phthalate	ND	0.081	0.0086	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.081	0.0072	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.081	0.0095	mg/kg	
206-44-0	Fluoranthene	ND	0.040	0.018	mg/kg	
86-73-7	Fluorene	ND	0.040	0.019	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.081	0.010	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.040	0.016	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.40	0.016	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.040	0.019	mg/kg	
78-59-1	Isophorone	ND	0.081	0.0087	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.081	0.0092	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.0096	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.010	mg/kg	
91-20-3	Naphthalene	ND	0.040	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.081	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.081	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.015	mg/kg	
85-01-8	Phenanthrene	ND	0.040	0.014	mg/kg	
129-00-0	Pyrene	ND	0.040	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> B-9	
<b>Lab Sample ID:</b> JC43253-1	<b>Date Sampled:</b> 05/12/17
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 05/13/17
<b>Method:</b> SW846 8270D SW846 3546	<b>Percent Solids:</b> 81.5
<b>Project:</b> 79 Hurley Avenue, Kingston, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	69%		27-114%
118-79-6	2,4,6-Tribromophenol	88%		19-152%
4165-60-0	Nitrobenzene-d5	65%		26-134%
321-60-8	2-Fluorobiphenyl	78%		39-124%
1718-51-0	Terphenyl-d14	87%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.65	1.1	mg/kg	J
	unknown	17.05	.3	mg/kg	J
	unknown	17.51	.18	mg/kg	J
	unknown	18.40	.2	mg/kg	J
	Total TIC, Semi-Volatile		.68	mg/kg	J

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	B-10	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-2	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	81.2
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C137255.D	1	05/16/17 12:46	PS	05/13/17 15:00	n/a	V3C6232
Run #2							

Run #	Initial Weight
Run #1	6.7 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0069	0.0092	0.0046	mg/kg	J
71-43-2	Benzene	ND	0.00046	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0046	0.00029	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0018	0.00014	mg/kg	
75-25-2	Bromoform	ND	0.0046	0.00024	mg/kg	
74-83-9	Bromomethane	ND	0.0046	0.00045	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0092	0.0016	mg/kg	
75-15-0	Carbon disulfide	ND	0.0018	0.00016	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0018	0.00015	mg/kg	
108-90-7	Chlorobenzene	ND	0.0018	0.00015	mg/kg	
75-00-3	Chloroethane	ND	0.0046	0.00039	mg/kg	
67-66-3	Chloroform	ND	0.0018	0.00022	mg/kg	
74-87-3	Chloromethane	ND	0.0046	0.00019	mg/kg	
110-82-7	Cyclohexane	ND	0.0018	0.00050	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0018	0.00044	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0018	0.00014	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00092	0.00022	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00092	0.00016	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00092	0.00013	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00092	0.00014	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0046	0.00050	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00092	0.00017	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00092	0.00016	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00092	0.00014	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00092	0.00040	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00092	0.00015	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0018	0.00028	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0018	0.00018	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0018	0.00020	mg/kg	
100-41-4	Ethylbenzene	ND	0.00092	0.00014	mg/kg	
76-13-1	Freon 113	ND	0.0046	0.00044	mg/kg	
591-78-6	2-Hexanone	ND	0.0046	0.0013	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-10	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-2	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	81.2
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.00019	0.0018	0.00014	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0046	0.0019	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0018	0.00046	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	0.00031	0.00092	0.00024	mg/kg	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0046	0.00078	mg/kg	
75-09-2	Methylene chloride	ND	0.0046	0.00092	mg/kg	
100-42-5	Styrene	ND	0.0018	0.00013	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0018	0.00022	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0018	0.00026	mg/kg	
108-88-3	Toluene	ND	0.00092	0.00011	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0046	0.00046	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0046	0.00046	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0018	0.00015	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0018	0.00030	mg/kg	
79-01-6	Trichloroethene	ND	0.00092	0.00017	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0046	0.00058	mg/kg	
75-01-4	Vinyl chloride	ND	0.0018	0.00019	mg/kg	
	m,p-Xylene	ND	0.00092	0.00020	mg/kg	
95-47-6	o-Xylene	ND	0.00092	0.00019	mg/kg	
1330-20-7	Xylene (total)	ND	0.00092	0.00019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-122%
17060-07-0	1,2-Dichloroethane-D4	99%		68-124%
2037-26-5	Toluene-D8	96%		77-125%
460-00-4	4-Bromofluorobenzene	100%		72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-10	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-2	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	81.2
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P114070.D	1	05/22/17 14:08	RL	05/16/17	OP2859	EP5091
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.081	0.020	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.025	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.035	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.072	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.20	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.20	0.043	mg/kg	
95-48-7	2-Methylphenol	ND	0.081	0.026	mg/kg	
	3&4-Methylphenol	ND	0.081	0.033	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.027	mg/kg	
100-02-7	4-Nitrophenol	ND	0.41	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.16	0.038	mg/kg	
108-95-2	Phenol	ND	0.081	0.021	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.027	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.030	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.024	mg/kg	
83-32-9	Acenaphthene	ND	0.041	0.014	mg/kg	
208-96-8	Acenaphthylene	ND	0.041	0.021	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0087	mg/kg	
120-12-7	Anthracene	ND	0.041	0.025	mg/kg	
1912-24-9	Atrazine	ND	0.081	0.017	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.041	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.041	0.018	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.041	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.041	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.041	0.019	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.081	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.081	0.0099	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.081	0.0055	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.081	0.0096	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.015	mg/kg	
86-74-8	Carbazole	ND	0.081	0.0059	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-10	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-2	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	81.2
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.081	0.016	mg/kg	
218-01-9	Chrysene	ND	0.041	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.081	0.0087	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.081	0.017	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.081	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.081	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.041	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.041	0.020	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.081	0.034	mg/kg	
123-91-1	1,4-Dioxane	ND	0.041	0.027	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.041	0.018	mg/kg	
132-64-9	Dibenzofuran	ND	0.081	0.016	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.081	0.0066	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.081	0.010	mg/kg	
84-66-2	Diethyl phthalate	ND	0.081	0.0086	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.081	0.0072	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.081	0.0095	mg/kg	
206-44-0	Fluoranthene	ND	0.041	0.018	mg/kg	
86-73-7	Fluorene	ND	0.041	0.019	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.081	0.010	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.041	0.016	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.41	0.016	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.041	0.019	mg/kg	
78-59-1	Isophorone	ND	0.081	0.0087	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.081	0.0092	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.0096	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.010	mg/kg	
91-20-3	Naphthalene	ND	0.041	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.081	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.081	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.015	mg/kg	
85-01-8	Phenanthrene	ND	0.041	0.014	mg/kg	
129-00-0	Pyrene	ND	0.041	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%		23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 3 of 3

Client Sample ID:	B-10	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-2	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	81.2
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	71%		27-114%
118-79-6	2,4,6-Tribromophenol	83%		19-152%
4165-60-0	Nitrobenzene-d5	74%		26-134%
321-60-8	2-Fluorobiphenyl	79%		39-124%
1718-51-0	Terphenyl-d14	88%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.65	1.9	mg/kg	J
	Total TIC, Semi-Volatile		0	mg/kg	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-11	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-3	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	73.5
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C137260.D	1	05/16/17 15:07	PS	05/13/17 15:00	n/a	V3C6232
Run #2	D249754.D	1	05/17/17 11:48	XC	05/13/17 15:00	n/a	VD10081

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.2 g		
Run #2	6.3 g	5.0 ml	100 ul

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.011	0.0055	mg/kg	
71-43-2	Benzene	ND	0.00055	0.00013	mg/kg	
74-97-5	Bromochloromethane	ND	0.0055	0.00035	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0022	0.00017	mg/kg	
75-25-2	Bromoform	ND	0.0055	0.00029	mg/kg	
74-83-9	Bromomethane	ND	0.0055	0.00053	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0019	mg/kg	
75-15-0	Carbon disulfide	ND	0.0022	0.00019	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0022	0.00018	mg/kg	
108-90-7	Chlorobenzene	ND	0.0022	0.00018	mg/kg	
75-00-3	Chloroethane	ND	0.0055	0.00047	mg/kg	
67-66-3	Chloroform	ND	0.0022	0.00026	mg/kg	
74-87-3	Chloromethane	ND	0.0055	0.00023	mg/kg	
110-82-7	Cyclohexane	ND	0.0022	0.00060	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0022	0.00053	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0022	0.00016	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00027	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00019	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00015	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00017	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0055	0.00060	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00019	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00017	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00048	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00017	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0022	0.00034	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0022	0.00022	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0022	0.00024	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00016	mg/kg	
76-13-1	Freon 113	ND	0.0055	0.00053	mg/kg	
591-78-6	2-Hexanone	ND	0.0055	0.0015	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-11	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-3	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	73.5
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0022	0.00017	mg/kg	
79-20-9	Methyl Acetate	ND	0.0055	0.0022	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0022	0.00055	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	0.793 <sup>a</sup>	0.072	0.019	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0055	0.00093	mg/kg	
75-09-2	Methylene chloride	ND	0.0055	0.0011	mg/kg	
100-42-5	Styrene	ND	0.0022	0.00016	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0022	0.00026	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0022	0.00031	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00014	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0055	0.00055	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0055	0.00055	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	0.00018	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	0.00035	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00021	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0055	0.00069	mg/kg	
75-01-4	Vinyl chloride	ND	0.0022	0.00022	mg/kg	
	m,p-Xylene	0.00044	0.0011	0.00024	mg/kg	J
95-47-6	o-Xylene	ND	0.0011	0.00022	mg/kg	
1330-20-7	Xylene (total)	0.00044	0.0011	0.00022	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	103%	70-122%
17060-07-0	1,2-Dichloroethane-D4	96%	104%	68-124%
2037-26-5	Toluene-D8	96%	102%	77-125%
460-00-4	4-Bromofluorobenzene	103%	105%	72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) Result is from Run# 2

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	B-12	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-4	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	73.5
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C137259.D	1	05/16/17 14:39	PS	05/13/17 15:00	n/a	V3C6232
Run #2							

Run #	Initial Weight
Run #1	6.1 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0077	0.011	0.0056	mg/kg	J
71-43-2	Benzene	0.0011	0.00056	0.00013	mg/kg	
74-97-5	Bromochloromethane	ND	0.0056	0.00036	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0022	0.00017	mg/kg	
75-25-2	Bromoform	ND	0.0056	0.00030	mg/kg	
74-83-9	Bromomethane	ND	0.0056	0.00054	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0020	mg/kg	
75-15-0	Carbon disulfide	ND	0.0022	0.00019	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0022	0.00019	mg/kg	
108-90-7	Chlorobenzene	0.00028	0.0022	0.00018	mg/kg	J
75-00-3	Chloroethane	ND	0.0056	0.00048	mg/kg	
67-66-3	Chloroform	ND	0.0022	0.00027	mg/kg	
74-87-3	Chloromethane	ND	0.0056	0.00024	mg/kg	
110-82-7	Cyclohexane	0.0026	0.0022	0.00061	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0022	0.00054	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0022	0.00017	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00027	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00019	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00015	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00017	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0056	0.00061	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00019	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00017	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00049	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00018	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0022	0.00034	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0022	0.00022	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0022	0.00025	mg/kg	
100-41-4	Ethylbenzene	0.0095	0.0011	0.00017	mg/kg	
76-13-1	Freon 113	ND	0.0056	0.00054	mg/kg	
591-78-6	2-Hexanone	0.0149	0.0056	0.0016	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	B-12	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-4	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	73.5
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0024	0.0022	0.00017	mg/kg	
79-20-9	Methyl Acetate	ND	0.0056	0.0023	mg/kg	
108-87-2	Methylcyclohexane	0.0052	0.0022	0.00056	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00030	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0056	0.00095	mg/kg	
75-09-2	Methylene chloride	0.0014	0.0056	0.0011	mg/kg	J
100-42-5	Styrene	ND	0.0022	0.00016	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0022	0.00027	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0022	0.00031	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00014	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0056	0.00056	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0056	0.00056	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	0.00019	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	0.00036	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00021	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0056	0.00070	mg/kg	
75-01-4	Vinyl chloride	ND	0.0022	0.00023	mg/kg	
	m,p-Xylene	0.0033	0.0011	0.00024	mg/kg	
95-47-6	o-Xylene	0.00054	0.0011	0.00023	mg/kg	J
1330-20-7	Xylene (total)	0.0038	0.0011	0.00023	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-122%
17060-07-0	1,2-Dichloroethane-D4	100%		68-124%
2037-26-5	Toluene-D8	101%		77-125%
460-00-4	4-Bromofluorobenzene	106%		72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkane	11.44	.084	mg/kg	J
	alkane	11.60	.17	mg/kg	J
	alkane	11.76	.073	mg/kg	J
	alkane	13.22	.056	mg/kg	J
	alkane	13.34	.045	mg/kg	J
95-63-6	Benzene, 1,2,4-trimethyl-	15.52	.052	mg/kg	JN
	C4 alkyl benzene	16.18	.056	mg/kg	J
	C4 alkyl benzene	16.56	.052	mg/kg	J
	C5 alkyl benzene	17.35	.098	mg/kg	J
	C5 alkyl benzene	17.51	.1	mg/kg	J

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> B-12	
<b>Lab Sample ID:</b> JC43253-4	<b>Date Sampled:</b> 05/12/17
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 05/13/17
<b>Method:</b> SW846 8260C SW846 5035	<b>Percent Solids:</b> 73.5
<b>Project:</b> 79 Hurley Avenue, Kingston, NY	

## VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C5 alkyl benzene	17.79	.1	mg/kg	J
	C5 alkyl benzene	17.91	.044	mg/kg	J
	1H-indene-dihydro-dimethyl- isomer	17.96	.043	mg/kg	J
	Naphthalene, tetrahydro-dimethyl- isomer	18.11	.042	mg/kg	J
	1H-indene-dihydro-dimethyl- isomer	18.51	.045	mg/kg	J
	Total TIC, Volatile		1.06	mg/kg	J

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-12	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-4	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	73.5
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P114071.D	1	05/22/17 14:37	RL	05/16/17	OP2859	EP5091
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.090	0.022	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.23	0.028	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.23	0.039	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.23	0.080	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.23	0.17	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.23	0.048	mg/kg	
95-48-7	2-Methylphenol	ND	0.090	0.029	mg/kg	
	3&4-Methylphenol	ND	0.090	0.037	mg/kg	
88-75-5	2-Nitrophenol	ND	0.23	0.030	mg/kg	
100-02-7	4-Nitrophenol	ND	0.45	0.12	mg/kg	
87-86-5	Pentachlorophenol	ND	0.18	0.042	mg/kg	
108-95-2	Phenol	ND	0.090	0.024	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.23	0.030	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.23	0.034	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.23	0.027	mg/kg	
83-32-9	Acenaphthene	ND	0.045	0.016	mg/kg	
208-96-8	Acenaphthylene	ND	0.045	0.023	mg/kg	
98-86-2	Acetophenone	ND	0.23	0.0097	mg/kg	
120-12-7	Anthracene	ND	0.045	0.028	mg/kg	
1912-24-9	Atrazine	ND	0.090	0.019	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.045	0.013	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.045	0.021	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.045	0.020	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.045	0.023	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.045	0.021	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.090	0.017	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.090	0.011	mg/kg	
92-52-4	1,1'-Biphenyl	0.0182	0.090	0.0062	mg/kg	J
100-52-7	Benzaldehyde	ND	0.23	0.011	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.090	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.23	0.016	mg/kg	
86-74-8	Carbazole	ND	0.090	0.0066	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-12	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-4	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	73.5
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.090	0.018	mg/kg	
218-01-9	Chrysene	ND	0.045	0.014	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.090	0.0097	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.090	0.019	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.090	0.016	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.090	0.015	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.045	0.014	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.045	0.023	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.090	0.038	mg/kg	
123-91-1	1,4-Dioxane	ND	0.045	0.030	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.045	0.020	mg/kg	
132-64-9	Dibenzofuran	ND	0.090	0.018	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.090	0.0074	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.090	0.011	mg/kg	
84-66-2	Diethyl phthalate	ND	0.090	0.0096	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.090	0.0080	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.090	0.011	mg/kg	
206-44-0	Fluoranthene	ND	0.045	0.020	mg/kg	
86-73-7	Fluorene	ND	0.045	0.021	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.090	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.045	0.018	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.45	0.018	mg/kg	
67-72-1	Hexachloroethane	ND	0.23	0.022	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.045	0.021	mg/kg	
78-59-1	Isophorone	ND	0.090	0.0097	mg/kg	
91-57-6	2-Methylnaphthalene	0.926	0.090	0.010	mg/kg	
88-74-4	2-Nitroaniline	ND	0.23	0.011	mg/kg	
99-09-2	3-Nitroaniline	ND	0.23	0.011	mg/kg	
100-01-6	4-Nitroaniline	ND	0.23	0.012	mg/kg	
91-20-3	Naphthalene	0.249	0.045	0.013	mg/kg	
98-95-3	Nitrobenzene	ND	0.090	0.017	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.090	0.013	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.23	0.017	mg/kg	
85-01-8	Phenanthrene	ND	0.045	0.015	mg/kg	
129-00-0	Pyrene	ND	0.045	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.23	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-12	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-4	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	73.5
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	69%		27-114%
118-79-6	2,4,6-Tribromophenol	79%		19-152%
4165-60-0	Nitrobenzene-d5	73%		26-134%
321-60-8	2-Fluorobiphenyl	74%		39-124%
1718-51-0	Terphenyl-d14	86%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.61	.5	mg/kg	J
	system artifact/aldol-condensation	3.66	4.2	mg/kg	J
	unknown	3.80	.45	mg/kg	J
	alkane	3.85	1.1	mg/kg	J
	alkane	4.11	1.2	mg/kg	J
	alkane	4.35	1	mg/kg	J
	unknown	4.48	.51	mg/kg	J
	alkane	4.53	1.6	mg/kg	J
	unknown	4.55	.84	mg/kg	J
	C3 alkyl benzene	4.57	.81	mg/kg	J
	alkane	4.59	1.3	mg/kg	J
	unknown	4.74	.82	mg/kg	J
	C3 alkyl benzene	4.76	2.8	mg/kg	J
	unknown	4.98	1.1	mg/kg	J
496-11-7	Indane	5.02	.51	mg/kg	JN
	C4 alkyl benzene	5.06	1.3	mg/kg	J
	C4 alkyl benzene	5.08	1.2	mg/kg	J
	C4 alkyl benzene	5.11	2.9	mg/kg	J
	C4 alkyl benzene	5.17	1.1	mg/kg	J
	C4 alkyl benzene	5.21	1.6	mg/kg	J
	C4 alkyl benzene	5.23	1.2	mg/kg	J
	unknown	5.34	.59	mg/kg	J
	C4 alkyl benzene	5.43	.53	mg/kg	J
	C4 alkyl benzene	5.46	.56	mg/kg	J
	1H-indene-dihydro-methyl	5.57	.67	mg/kg	J
	1H-Indene-dihydro-dimethyl	5.62	1.2	mg/kg	J
	unknown	6.00	.52	mg/kg	J
	Total TIC, Semi-Volatile		27.41	mg/kg	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-12A	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-5	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	73.5
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C137258.D	1	05/16/17 14:11	PS	05/13/17 15:00	n/a	V3C6232
Run #2							

Run #	Initial Weight
Run #1	6.1 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0939	0.011	0.0056	mg/kg	
71-43-2	Benzene	ND	0.00056	0.00013	mg/kg	
74-97-5	Bromochloromethane	ND	0.0056	0.00036	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0022	0.00017	mg/kg	
75-25-2	Bromoform	ND	0.0056	0.00030	mg/kg	
74-83-9	Bromomethane	ND	0.0056	0.00054	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0020	mg/kg	
75-15-0	Carbon disulfide	ND	0.0022	0.00019	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0022	0.00019	mg/kg	
108-90-7	Chlorobenzene	ND	0.0022	0.00018	mg/kg	
75-00-3	Chloroethane	ND	0.0056	0.00048	mg/kg	
67-66-3	Chloroform	ND	0.0022	0.00027	mg/kg	
74-87-3	Chloromethane	ND	0.0056	0.00024	mg/kg	
110-82-7	Cyclohexane	ND	0.0022	0.00061	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0022	0.00054	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0022	0.00017	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00027	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00019	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00015	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00017	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0056	0.00061	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00019	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00017	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00049	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00018	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0022	0.00034	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0022	0.00022	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0022	0.00025	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00017	mg/kg	
76-13-1	Freon 113	ND	0.0056	0.00054	mg/kg	
591-78-6	2-Hexanone	ND	0.0056	0.0016	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 2 of 2

Client Sample ID:	B-12A	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-5	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	73.5
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0022	0.00017	mg/kg	
79-20-9	Methyl Acetate	ND	0.0056	0.0023	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0022	0.00056	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	0.00089	0.0011	0.00030	mg/kg	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0056	0.00095	mg/kg	
75-09-2	Methylene chloride	ND	0.0056	0.0011	mg/kg	
100-42-5	Styrene	ND	0.0022	0.00016	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0022	0.00027	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0022	0.00031	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00014	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0056	0.00056	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0056	0.00056	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	0.00019	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	0.00036	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00021	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0056	0.00070	mg/kg	
75-01-4	Vinyl chloride	ND	0.0022	0.00023	mg/kg	
	m,p-Xylene	0.00046	0.0011	0.00024	mg/kg	J
95-47-6	o-Xylene	ND	0.0011	0.00023	mg/kg	
1330-20-7	Xylene (total)	0.00046	0.0011	0.00023	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-122%
17060-07-0	1,2-Dichloroethane-D4	100%		68-124%
2037-26-5	Toluene-D8	94%		77-125%
460-00-4	4-Bromofluorobenzene	102%		72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
75-65-0	2-Propanol, 2-methyl-	7.47	.031	mg/kg	JN
	Total TIC, Volatile		.031	mg/kg	J

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-13	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-6	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	77.6
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C137256.D	1	05/16/17 13:15	PS	05/13/17 15:00	n/a	V3C6232
Run #2							

Run #	Initial Weight
Run #1	6.0 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.011	0.0054	mg/kg	
71-43-2	Benzene	ND	0.00054	0.00013	mg/kg	
74-97-5	Bromochloromethane	ND	0.0054	0.00034	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0021	0.00016	mg/kg	
75-25-2	Bromoform	ND	0.0054	0.00029	mg/kg	
74-83-9	Bromomethane	ND	0.0054	0.00052	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0019	mg/kg	
75-15-0	Carbon disulfide	ND	0.0021	0.00018	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0021	0.00018	mg/kg	
108-90-7	Chlorobenzene	ND	0.0021	0.00017	mg/kg	
75-00-3	Chloroethane	ND	0.0054	0.00046	mg/kg	
67-66-3	Chloroform	ND	0.0021	0.00026	mg/kg	
74-87-3	Chloromethane	ND	0.0054	0.00023	mg/kg	
110-82-7	Cyclohexane	ND	0.0021	0.00059	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0021	0.00052	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0021	0.00016	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00026	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00018	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00015	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00016	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0054	0.00059	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00020	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00018	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00016	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00047	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00017	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0021	0.00033	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0021	0.00021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0021	0.00024	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00016	mg/kg	
76-13-1	Freon 113	ND	0.0054	0.00052	mg/kg	
591-78-6	2-Hexanone	ND	0.0054	0.0015	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	B-13	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-6	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	77.6
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0021	0.00017	mg/kg	
79-20-9	Methyl Acetate	ND	0.0054	0.0022	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0021	0.00054	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00028	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0054	0.00091	mg/kg	
75-09-2	Methylene chloride	ND	0.0054	0.0011	mg/kg	
100-42-5	Styrene	ND	0.0021	0.00016	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0021	0.00026	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0021	0.00030	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0054	0.00054	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0054	0.00054	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0021	0.00018	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0021	0.00035	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00020	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0054	0.00068	mg/kg	
75-01-4	Vinyl chloride	ND	0.0021	0.00022	mg/kg	
	m,p-Xylene	0.00034	0.0011	0.00024	mg/kg	J
95-47-6	o-Xylene	ND	0.0011	0.00022	mg/kg	
1330-20-7	Xylene (total)	0.00034	0.0011	0.00022	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-122%
17060-07-0	1,2-Dichloroethane-D4	100%		68-124%
2037-26-5	Toluene-D8	95%		77-125%
460-00-4	4-Bromofluorobenzene	101%		72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-13	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-6	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	77.6
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P114072.D	1	05/22/17 15:06	RL	05/16/17	OP2859	EP5091
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.085	0.021	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.21	0.026	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.21	0.036	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.21	0.076	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.21	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.21	0.046	mg/kg	
95-48-7	2-Methylphenol	ND	0.085	0.027	mg/kg	
	3&4-Methylphenol	ND	0.085	0.035	mg/kg	
88-75-5	2-Nitrophenol	ND	0.21	0.028	mg/kg	
100-02-7	4-Nitrophenol	ND	0.43	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.17	0.040	mg/kg	
108-95-2	Phenol	ND	0.085	0.022	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.21	0.028	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.21	0.032	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.21	0.025	mg/kg	
83-32-9	Acenaphthene	ND	0.043	0.015	mg/kg	
208-96-8	Acenaphthylene	ND	0.043	0.022	mg/kg	
98-86-2	Acetophenone	ND	0.21	0.0092	mg/kg	
120-12-7	Anthracene	ND	0.043	0.026	mg/kg	
1912-24-9	Atrazine	ND	0.085	0.018	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.043	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.043	0.019	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.043	0.019	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.043	0.021	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.043	0.020	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.085	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.085	0.010	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.085	0.0058	mg/kg	
100-52-7	Benzaldehyde	ND	0.21	0.011	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.085	0.010	mg/kg	
106-47-8	4-Chloroaniline	ND	0.21	0.015	mg/kg	
86-74-8	Carbazole	ND	0.085	0.0062	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-13	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-6	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	77.6
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.085	0.017	mg/kg	
218-01-9	Chrysene	ND	0.043	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.085	0.0091	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.085	0.018	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.085	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.085	0.014	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.043	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.043	0.021	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.085	0.036	mg/kg	
123-91-1	1,4-Dioxane	ND	0.043	0.028	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.043	0.019	mg/kg	
132-64-9	Dibenzofuran	ND	0.085	0.017	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.085	0.0070	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.085	0.011	mg/kg	
84-66-2	Diethyl phthalate	ND	0.085	0.0091	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.085	0.0076	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.085	0.010	mg/kg	
206-44-0	Fluoranthene	ND	0.043	0.019	mg/kg	
86-73-7	Fluorene	ND	0.043	0.020	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.085	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.043	0.017	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.43	0.017	mg/kg	
67-72-1	Hexachloroethane	ND	0.21	0.021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.043	0.020	mg/kg	
78-59-1	Isophorone	ND	0.085	0.0091	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.085	0.0096	mg/kg	
88-74-4	2-Nitroaniline	ND	0.21	0.010	mg/kg	
99-09-2	3-Nitroaniline	ND	0.21	0.011	mg/kg	
100-01-6	4-Nitroaniline	ND	0.21	0.011	mg/kg	
91-20-3	Naphthalene	ND	0.043	0.012	mg/kg	
98-95-3	Nitrobenzene	ND	0.085	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.085	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.21	0.016	mg/kg	
85-01-8	Phenanthrene	ND	0.043	0.014	mg/kg	
129-00-0	Pyrene	ND	0.043	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.21	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-13	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-6	Date Received:	05/13/17
Matrix:	SO - Soil	Percent Solids:	77.6
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	66%		27-114%
118-79-6	2,4,6-Tribromophenol	71%		19-152%
4165-60-0	Nitrobenzene-d5	72%		26-134%
321-60-8	2-Fluorobiphenyl	76%		39-124%
1718-51-0	Terphenyl-d14	79%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.20	.25	mg/kg	J
	system artifact/aldol-condensation	3.65	2.9	mg/kg	J
	Total TIC, Semi-Volatile		0	mg/kg	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 2

Client Sample ID:	B-9GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-7	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C149626.D	1	05/17/17 15:43	HT	n/a	n/a	V2C6642
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-9GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-7	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		76-120%
17060-07-0	1,2-Dichloroethane-D4	107%		73-122%
2037-26-5	Toluene-D8	98%		84-119%
460-00-4	4-Bromofluorobenzene	96%		78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-9GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-7	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z121870.D	1	05/19/17 13:35	AC	05/18/17	OP2948	EZ6044
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	0.79	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.86	ug/l	
120-83-2	2,4-Dichlorophenol	ND	1.9	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	2.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	9.6	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	4.8	1.2	ug/l	
95-48-7	2-Methylphenol	ND	1.9	0.85	ug/l	
	3&4-Methylphenol	ND	1.9	0.85	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.92	ug/l	
100-02-7	4-Nitrophenol	ND	9.6	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	3.8	1.3	ug/l	
108-95-2	Phenol	ND	1.9	0.38	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	4.8	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.89	ug/l	
83-32-9	Acenaphthene	ND	0.96	0.18	ug/l	
208-96-8	Acenaphthylene	ND	0.96	0.13	ug/l	
98-86-2	Acetophenone	ND	1.9	0.20	ug/l	
120-12-7	Anthracene	ND	0.96	0.20	ug/l	
1912-24-9	Atrazine	ND	1.9	0.43	ug/l	
100-52-7	Benzaldehyde	ND	4.8	0.28	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.96	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.96	0.20	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.96	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.96	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.96	0.20	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	1.9	0.39	ug/l	
85-68-7	Butyl benzyl phthalate	ND	1.9	0.44	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.96	0.20	ug/l	
91-58-7	2-Chloronaphthalene	ND	1.9	0.23	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.33	ug/l	
86-74-8	Carbazole	ND	0.96	0.22	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-9GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-7	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	1.9	0.62	ug/l	
218-01-9	Chrysene	ND	0.96	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	1.9	0.27	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	1.9	0.24	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	1.9	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1.9	0.35	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.96	0.53	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.96	0.46	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	1.9	0.49	ug/l	
123-91-1	1,4-Dioxane	ND	0.96	0.63	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.96	0.32	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.21	ug/l	
84-74-2	Di-n-butyl phthalate	ND	1.9	0.48	ug/l	
117-84-0	Di-n-octyl phthalate	ND	1.9	0.22	ug/l	
84-66-2	Diethyl phthalate	ND	1.9	0.25	ug/l	
131-11-3	Dimethyl phthalate	ND	1.9	0.21	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1.9	1.6	ug/l	
206-44-0	Fluoranthene	ND	0.96	0.16	ug/l	
86-73-7	Fluorene	ND	0.96	0.16	ug/l	
118-74-1	Hexachlorobenzene	ND	0.96	0.31	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.96	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	9.6	2.7	ug/l	
67-72-1	Hexachloroethane	ND	1.9	0.37	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.96	0.32	ug/l	
78-59-1	Isophorone	ND	1.9	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.96	0.20	ug/l	
88-74-4	2-Nitroaniline	ND	4.8	0.27	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	0.37	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	0.42	ug/l	
91-20-3	Naphthalene	ND	0.96	0.22	ug/l	
98-95-3	Nitrobenzene	ND	1.9	0.62	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	1.9	0.46	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	0.21	ug/l	
85-01-8	Phenanthrene	ND	0.96	0.17	ug/l	
129-00-0	Pyrene	ND	0.96	0.21	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1.9	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		10-110%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



## Report of Analysis

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<b>Client Sample ID:</b> B-9GW	
<b>Lab Sample ID:</b> JC43253-7	<b>Date Sampled:</b> 05/12/17
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 05/13/17
<b>Method:</b> SW846 8270D SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> 79 Hurley Avenue, Kingston, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	31%		10-110%
118-79-6	2,4,6-Tribromophenol	92%		36-151%
4165-60-0	Nitrobenzene-d5	77%		34-128%
321-60-8	2-Fluorobiphenyl	77%		38-119%
1718-51-0	Terphenyl-d14	84%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-10GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-8	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A178749.D	1	05/19/17 21:50	JC	n/a	n/a	V2A7563
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.6	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-10GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-8	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.1	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		73-122%
2037-26-5	Toluene-D8	102%		84-119%
460-00-4	4-Bromofluorobenzene	104%		78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-10GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-8	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z121871.D	1	05/19/17 14:02	AC	05/18/17	OP2948	EZ6044
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	0.79	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.86	ug/l	
120-83-2	2,4-Dichlorophenol	ND	1.9	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	2.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	9.6	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	4.8	1.2	ug/l	
95-48-7	2-Methylphenol	ND	1.9	0.85	ug/l	
	3&4-Methylphenol	ND	1.9	0.85	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.92	ug/l	
100-02-7	4-Nitrophenol	ND	9.6	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	3.8	1.3	ug/l	
108-95-2	Phenol	ND	1.9	0.38	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	4.8	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.89	ug/l	
83-32-9	Acenaphthene	ND	0.96	0.18	ug/l	
208-96-8	Acenaphthylene	ND	0.96	0.13	ug/l	
98-86-2	Acetophenone	ND	1.9	0.20	ug/l	
120-12-7	Anthracene	ND	0.96	0.20	ug/l	
1912-24-9	Atrazine	ND	1.9	0.43	ug/l	
100-52-7	Benzaldehyde	ND	4.8	0.28	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.96	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.96	0.20	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.96	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.96	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.96	0.20	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	1.9	0.39	ug/l	
85-68-7	Butyl benzyl phthalate	ND	1.9	0.44	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.96	0.20	ug/l	
91-58-7	2-Chloronaphthalene	ND	1.9	0.23	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.33	ug/l	
86-74-8	Carbazole	ND	0.96	0.22	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-10GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-8	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	1.9	0.62	ug/l	
218-01-9	Chrysene	ND	0.96	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	1.9	0.27	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	1.9	0.24	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	1.9	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1.9	0.35	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.96	0.53	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.96	0.46	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	1.9	0.49	ug/l	
123-91-1	1,4-Dioxane	ND	0.96	0.63	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.96	0.32	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.21	ug/l	
84-74-2	Di-n-butyl phthalate	ND	1.9	0.48	ug/l	
117-84-0	Di-n-octyl phthalate	ND	1.9	0.22	ug/l	
84-66-2	Diethyl phthalate	ND	1.9	0.25	ug/l	
131-11-3	Dimethyl phthalate	ND	1.9	0.21	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1.9	1.6	ug/l	
206-44-0	Fluoranthene	ND	0.96	0.16	ug/l	
86-73-7	Fluorene	ND	0.96	0.16	ug/l	
118-74-1	Hexachlorobenzene	ND	0.96	0.31	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.96	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	9.6	2.7	ug/l	
67-72-1	Hexachloroethane	ND	1.9	0.37	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.96	0.32	ug/l	
78-59-1	Isophorone	ND	1.9	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.96	0.20	ug/l	
88-74-4	2-Nitroaniline	ND	4.8	0.27	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	0.37	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	0.42	ug/l	
91-20-3	Naphthalene	ND	0.96	0.22	ug/l	
98-95-3	Nitrobenzene	ND	1.9	0.62	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	1.9	0.46	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	0.21	ug/l	
85-01-8	Phenanthrene	ND	0.96	0.17	ug/l	
129-00-0	Pyrene	ND	0.96	0.21	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1.9	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		10-110%

ND = Not detected

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RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> B-10GW	
<b>Lab Sample ID:</b> JC43253-8	<b>Date Sampled:</b> 05/12/17
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 05/13/17
<b>Method:</b> SW846 8270D SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> 79 Hurley Avenue, Kingston, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	32%		10-110%
118-79-6	2,4,6-Tribromophenol	103%		36-151%
4165-60-0	Nitrobenzene-d5	85%		34-128%
321-60-8	2-Fluorobiphenyl	82%		38-119%
1718-51-0	Terphenyl-d14	94%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
10544-50-0	Cyclic octaatomic sulfur	9.52	7.7	ug/l	JN
	Total TIC, Semi-Volatile		7.7	ug/l	J

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-11GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-9	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A178750.D	2.5	05/19/17 22:18	JC	n/a	n/a	V2A7563
Run #2	2A178739.D	10	05/19/17 16:33	JC	n/a	n/a	V2A7563

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	13	ug/l	J
71-43-2	Benzene	0.48	1.3	0.35	ug/l	
74-97-5	Bromochloromethane	ND	2.5	1.2	ug/l	
75-27-4	Bromodichloromethane	ND	2.5	1.4	ug/l	
75-25-2	Bromoform	ND	2.5	0.85	ug/l	
74-83-9	Bromomethane	ND	5.0	1.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	25	4.7	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.83	ug/l	
56-23-5	Carbon tetrachloride	ND	2.5	1.3	ug/l	
108-90-7	Chlorobenzene	ND	2.5	0.44	ug/l	
75-00-3	Chloroethane	ND	2.5	1.1	ug/l	
67-66-3	Chloroform	ND	2.5	0.57	ug/l	
74-87-3	Chloromethane	ND	2.5	2.4	ug/l	
110-82-7	Cyclohexane	ND	13	1.8	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.7	ug/l	
124-48-1	Dibromochloromethane	ND	2.5	0.57	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.5	0.56	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.58	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.48	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.53	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.5	0.51	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.5	0.98	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.5	0.51	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.77	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.89	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.5	0.82	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.46	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.65	ug/l	
100-41-4	Ethylbenzene	ND	2.5	0.49	ug/l	
76-13-1	Freon 113	ND	13	2.9	ug/l	
591-78-6	2-Hexanone	ND	13	3.8	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-11GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-9	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.5	0.39	ug/l	
79-20-9	Methyl Acetate	ND	13	3.9	ug/l	
108-87-2	Methylcyclohexane	ND	13	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1270 <sup>a</sup>	10	3.4	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	13	3.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	2.5	0.68	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.98	ug/l	
127-18-4	Tetrachloroethene	ND	2.5	0.58	ug/l	
108-88-3	Toluene	ND	2.5	0.57	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	1.3	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	1.3	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.5	0.69	ug/l	
79-01-6	Trichloroethene	ND	2.5	0.64	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	1.5	ug/l	
75-01-4	Vinyl chloride	ND	2.5	0.81	ug/l	
	m,p-Xylene	ND	2.5	1.1	ug/l	
95-47-6	o-Xylene	ND	2.5	0.51	ug/l	
1330-20-7	Xylene (total)	ND	2.5	0.51	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	104%	76-120%
17060-07-0	1,2-Dichloroethane-D4	98%	97%	73-122%
2037-26-5	Toluene-D8	102%	102%	84-119%
460-00-4	4-Bromofluorobenzene	104%	104%	78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 2

ND = Not detected      MDL = Method Detection Limit  
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 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

Page 1 of 3

Client Sample ID:	B-11GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-9	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z121872.D	1	05/19/17 14:29	AC	05/18/17	OP2948	EZ6044
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-11GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-9	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		10-110%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-11GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-9	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	31%		10-110%
118-79-6	2,4,6-Tribromophenol	95%		36-151%
4165-60-0	Nitrobenzene-d5	77%		34-128%
321-60-8	2-Fluorobiphenyl	75%		38-119%
1718-51-0	Terphenyl-d14	93%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	4.50	8.4	ug/l	J
	unknown	4.83	5.9	ug/l	J
10544-50-0	Cyclic octaatomic sulfur	9.52	6.8	ug/l	JN
	Total TIC, Semi-Volatile		21.1	ug/l	J

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 2

Client Sample ID:	B-13GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-10	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B137429.D	1	05/20/17 11:55	VC	n/a	n/a	V3B6093
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-13GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-10	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		76-120%
17060-07-0	1,2-Dichloroethane-D4	115%		73-122%
2037-26-5	Toluene-D8	95%		84-119%
460-00-4	4-Bromofluorobenzene	97%		78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected      MDL = Method Detection Limit  
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 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 3

Client Sample ID:	B-13GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-10	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z121869.D	1	05/19/17 12:40	AC	05/18/17	OP2948	EZ6044
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	0.78	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.85	ug/l	
120-83-2	2,4-Dichlorophenol	ND	1.9	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	2.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	9.5	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	4.8	1.2	ug/l	
95-48-7	2-Methylphenol	ND	1.9	0.85	ug/l	
	3&4-Methylphenol	ND	1.9	0.84	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.91	ug/l	
100-02-7	4-Nitrophenol	ND	9.5	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	3.8	1.3	ug/l	
108-95-2	Phenol	ND	1.9	0.37	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	4.8	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.88	ug/l	
83-32-9	Acenaphthene	ND	0.95	0.18	ug/l	
208-96-8	Acenaphthylene	ND	0.95	0.13	ug/l	
98-86-2	Acetophenone	ND	1.9	0.20	ug/l	
120-12-7	Anthracene	ND	0.95	0.20	ug/l	
1912-24-9	Atrazine	ND	1.9	0.43	ug/l	
100-52-7	Benzaldehyde	ND	4.8	0.28	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.95	0.19	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.95	0.20	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.95	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.95	0.32	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.95	0.20	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	1.9	0.38	ug/l	
85-68-7	Butyl benzyl phthalate	ND	1.9	0.44	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.95	0.20	ug/l	
91-58-7	2-Chloronaphthalene	ND	1.9	0.22	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.32	ug/l	
86-74-8	Carbazole	ND	0.95	0.22	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-13GW	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-10	Date Received:	05/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	1.9	0.62	ug/l	
218-01-9	Chrysene	ND	0.95	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	1.9	0.26	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	1.9	0.24	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	1.9	0.38	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1.9	0.35	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.95	0.53	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.95	0.45	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	1.9	0.48	ug/l	
123-91-1	1,4-Dioxane	ND	0.95	0.63	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.95	0.32	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.21	ug/l	
84-74-2	Di-n-butyl phthalate	ND	1.9	0.47	ug/l	
117-84-0	Di-n-octyl phthalate	ND	1.9	0.22	ug/l	
84-66-2	Diethyl phthalate	ND	1.9	0.25	ug/l	
131-11-3	Dimethyl phthalate	ND	1.9	0.21	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1.9	1.6	ug/l	
206-44-0	Fluoranthene	ND	0.95	0.16	ug/l	
86-73-7	Fluorene	ND	0.95	0.16	ug/l	
118-74-1	Hexachlorobenzene	ND	0.95	0.31	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.95	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	9.5	2.6	ug/l	
67-72-1	Hexachloroethane	ND	1.9	0.37	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.95	0.32	ug/l	
78-59-1	Isophorone	ND	1.9	0.26	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.95	0.20	ug/l	
88-74-4	2-Nitroaniline	ND	4.8	0.26	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	0.37	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	0.42	ug/l	
91-20-3	Naphthalene	ND	0.95	0.22	ug/l	
98-95-3	Nitrobenzene	ND	1.9	0.61	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	1.9	0.46	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	0.21	ug/l	
85-01-8	Phenanthrene	ND	0.95	0.17	ug/l	
129-00-0	Pyrene	ND	0.95	0.21	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1.9	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		10-110%

ND = Not detected

MDL = Method Detection Limit

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RL = Reporting Limit

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N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 3 of 3

<b>Client Sample ID:</b> B-13GW	<b>Date Sampled:</b> 05/12/17
<b>Lab Sample ID:</b> JC43253-10	<b>Date Received:</b> 05/13/17
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8270D SW846 3510C	
<b>Project:</b> 79 Hurley Avenue, Kingston, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	30%		10-110%
118-79-6	2,4,6-Tribromophenol	87%		36-151%
4165-60-0	Nitrobenzene-d5	77%		34-128%
321-60-8	2-Fluorobiphenyl	74%		38-119%
1718-51-0	Terphenyl-d14	70%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
10544-50-0	Cyclic octaatomic sulfur	9.52	6.8	ug/l	JN
	Total TIC, Semi-Volatile		6.8	ug/l	J

ND = Not detected      MDL = Method Detection Limit  
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 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



## Report of Analysis

Page 1 of 2

Client Sample ID:	TB	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-11	Date Received:	05/13/17
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C149625.D	1	05/17/17 15:14	HT	n/a	n/a	V2C6642
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	TB	Date Sampled:	05/12/17
Lab Sample ID:	JC43253-11	Date Received:	05/13/17
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%
17060-07-0	1,2-Dichloroethane-D4	104%		73-122%
2037-26-5	Toluene-D8	99%		84-119%
460-00-4	4-Bromofluorobenzene	97%		78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Misc. Forms****Custody Documents and Other Forms**

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**Includes the following where applicable:**

- Chain of Custody



## SGS Accutest Sample Receipt Summary

**Job Number:** JC43253

**Client:** Partner

**Project:** 17242956-EN

**Date / Time Received:** 5/13/2017 12:00:00 PM

**Delivery Method:** FedEx

**Airbill #s:** 725069295983

**Cooler Temps (Raw Measured) °C:** Cooler 1: (2.5);

**Cooler Temps (Corrected) °C:** Cooler 1: (3.9);

**Cooler Security**
**Y or N**
**Y or N**

- |                           |                                     |                          |                       |                                     |                          |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Cooler Temperature**
**Y or N**

- |                              |                                     |                          |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | IR Gun                              |                          |
| 3. Cooler media:             | Ice (Bag)                           |                          |
| 4. No. Coolers:              | 1                                   |                          |

**Quality Control Preservation**
**Y or N**
**N/A**

- |                                 |                                     |                          |                          |
|---------------------------------|-------------------------------------|--------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC:    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                          |
| 4. VOCs headspace free:         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**Sample Integrity - Documentation**
**Y or N**

- |  |                                     |                          |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Sample Integrity - Condition**
**Y or N**

- |                                  |                                     |                          |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample:          | Broken / Leaking                    |                          |

**Sample Integrity - Instructions**
**Y or N N/A**

- |   |                                     |                                     |                                     |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Comments -3 Received 1-8oz soil jar broken. No additional intact soil volume.  
 -5 Received 1-8oz soil jar broken. No additional intact soil volume.  
 -8 and -9 Received 1-40mL HCL vial broken.  
 -10 Received 2-40mL HCL vials broken.

All bottles received were not bubblewrapped.

SM089-02  
 Rev. Date 12/1/16

JC43253: Chain of Custody

Page 2 of 3

Response:

Sample -3 & -5: Please run for VOCs. Log in SUBSOL and use value from sample -4.  
Sample -8, -9, -10: OK to proceed with limited volume for VOCs

4.1  
4

The results set forth herein are provided by SGS North America Inc.

*e-Hardcopy 2.0*  
Automated Report

## Technical Report for

### Partner Engineering & Science

79 Hurley Avenue, Kingston, NY

17242956-EN

SGS Job Number: JC43407

Sampling Date: 05/15/17

### Report to:

Partner Engineering & Science

channa@partneresi.com

ATTN: Cilien Hanna

Total number of pages in report: 34



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

*Nancy F. Cole*

Nancy Cole  
Laboratory Director

Client Service contact: Kelly Patterson 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.

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## Sample Summary

Partner Engineering & Science

Job No: JC43407

79 Hurley Avenue, Kingston, NY

Project No: 17242956-EN

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JC43407-1	05/15/17	08:20 AH	05/16/17	SO	Soil	B-14
JC43407-2	05/15/17	09:30 AH	05/16/17	SO	Soil	B-15
JC43407-3	05/15/17	08:50 AH	05/16/17	AQ	Ground Water	B-14 GW
JC43407-4	05/15/17	10:00 AH	05/16/17	AQ	Ground Water	B-15 GW
JC43407-5	05/15/17	10:45 AH	05/16/17	AQ	Ground Water	MW-1

---

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

## Summary of Hits

Page 1 of 1

Job Number: JC43407  
Account: Partner Engineering & Science  
Project: 79 Hurley Avenue, Kingston, NY  
Collected: 05/15/17

2

Lab Sample ID	Client Sample ID	Result/ Analyte Qual	RL	MDL	Units	Method
JC43407-1	B-14					
Total TIC, Semi-Volatile		1.54 J			mg/kg	
JC43407-2	B-15					
Acetone		0.0224	0.0098	0.0049	mg/kg	SW846 8260C
Total TIC, Semi-Volatile		0.23 J			mg/kg	
JC43407-3	B-14 GW					
cis-1,2-Dichloroethene		0.38 J	1.0	0.31	ug/l	SW846 8260C
JC43407-4	B-15 GW					
cis-1,2-Dichloroethene		0.57 J	1.0	0.31	ug/l	SW846 8260C
Total TIC, Semi-Volatile		5.2 J			ug/l	
JC43407-5	MW-1					
Methyl Tert Butyl Ether		0.51 J	1.0	0.34	ug/l	SW846 8260C

## Sample Results

## Report of Analysis

## Report of Analysis

Client Sample ID:	B-14	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-1	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y172520.D	1	05/19/17 11:00	PS	05/17/17 08:00	n/a	VY7461
Run #2							

Run #	Initial Weight
Run #1	6.2 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.010	0.0051	mg/kg	
71-43-2	Benzene	ND	0.00051	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0051	0.00033	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00015	mg/kg	
75-25-2	Bromoform	ND	0.0051	0.00027	mg/kg	
74-83-9	Bromomethane	ND	0.0051	0.00049	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0018	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00017	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00017	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00017	mg/kg	
75-00-3	Chloroethane	ND	0.0051	0.00044	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.00024	mg/kg	
74-87-3	Chloromethane	ND	0.0051	0.00022	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00056	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00049	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00015	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00025	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00017	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00014	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00016	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0051	0.00056	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00019	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00017	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00016	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00045	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00016	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00032	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00020	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00023	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0051	0.00049	mg/kg	
591-78-6	2-Hexanone	ND	0.0051	0.0014	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-14	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-1	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.00016	mg/kg	
79-20-9	Methyl Acetate	ND	0.0051	0.0021	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0020	0.00051	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00027	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0051	0.00087	mg/kg	
75-09-2	Methylene chloride	ND	0.0051	0.0010	mg/kg	
100-42-5	Styrene	ND	0.0020	0.00015	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00024	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0020	0.00029	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0051	0.00051	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0051	0.00051	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00017	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00033	mg/kg	
79-01-6	Trichloroethene	ND	0.0010	0.00019	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0051	0.00064	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00021	mg/kg	
	m,p-Xylene	ND	0.0010	0.00022	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00021	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00021	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		72-129%
17060-07-0	1,2-Dichloroethane-D4	97%		73-132%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	105%		77-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-14	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-1	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M134302.D	1	05/22/17 11:55	AN	05/20/17	OP2987	EM5760
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.081	0.020	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.025	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.034	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.072	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.20	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.20	0.043	mg/kg	
95-48-7	2-Methylphenol	ND	0.081	0.026	mg/kg	
	3&4-Methylphenol	ND	0.081	0.033	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.027	mg/kg	
100-02-7	4-Nitrophenol	ND	0.40	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.16	0.038	mg/kg	
108-95-2	Phenol	ND	0.081	0.021	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.027	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.030	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.024	mg/kg	
83-32-9	Acenaphthene	ND	0.040	0.014	mg/kg	
208-96-8	Acenaphthylene	ND	0.040	0.021	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0087	mg/kg	
120-12-7	Anthracene	ND	0.040	0.025	mg/kg	
1912-24-9	Atrazine	ND	0.081	0.017	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.040	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.040	0.018	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.040	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.040	0.019	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.081	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.081	0.0099	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.081	0.0055	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.081	0.0096	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.015	mg/kg	
86-74-8	Carbazole	ND	0.081	0.0059	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-14	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-1	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.081	0.016	mg/kg	
218-01-9	Chrysene	ND	0.040	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.081	0.0086	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.081	0.017	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.081	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.081	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.040	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.040	0.020	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.081	0.034	mg/kg	
123-91-1	1,4-Dioxane	ND	0.040	0.027	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.040	0.018	mg/kg	
132-64-9	Dibenzofuran	ND	0.081	0.016	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.081	0.0066	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.081	0.010	mg/kg	
84-66-2	Diethyl phthalate	ND	0.081	0.0086	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.081	0.0072	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.081	0.0095	mg/kg	
206-44-0	Fluoranthene	ND	0.040	0.018	mg/kg	
86-73-7	Fluorene	ND	0.040	0.019	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.081	0.010	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.040	0.016	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.40	0.016	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.040	0.019	mg/kg	
78-59-1	Isophorone	ND	0.081	0.0086	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.081	0.0091	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.0095	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.010	mg/kg	
91-20-3	Naphthalene	ND	0.040	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.081	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.081	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.015	mg/kg	
85-01-8	Phenanthrene	ND	0.040	0.014	mg/kg	
129-00-0	Pyrene	ND	0.040	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-14	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-1	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	66%		27-114%
118-79-6	2,4,6-Tribromophenol	82%		19-152%
4165-60-0	Nitrobenzene-d5	80%		26-134%
321-60-8	2-Fluorobiphenyl	71%		39-124%
1718-51-0	Terphenyl-d14	87%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.19	.46	mg/kg	J
	system artifact	2.58	.19	mg/kg	J
	system artifact	3.10	3	mg/kg	J
	system artifact	3.20	1.8	mg/kg	J
	system artifact	3.31	.22	mg/kg	J
	system artifact	3.43	.22	mg/kg	J
	system artifact/aldol-condensation	3.60	23	mg/kg	J
	Hexanedione	4.20	1.3	mg/kg	J
	unknown	4.98	.24	mg/kg	J
	Total TIC, Semi-Volatile		1.54	mg/kg	J

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	B-15	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-2	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	81.3
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y172521.D	1	05/19/17 11:28	PS	05/17/17 08:00	n/a	VY7461
Run #2							

Run #	Initial Weight
Run #1	6.3 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0224	0.0098	0.0049	mg/kg	
71-43-2	Benzene	ND	0.00049	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0049	0.00031	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00015	mg/kg	
75-25-2	Bromoform	ND	0.0049	0.00026	mg/kg	
74-83-9	Bromomethane	ND	0.0049	0.00047	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0098	0.0017	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00017	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00016	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00016	mg/kg	
75-00-3	Chloroethane	ND	0.0049	0.00042	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.00023	mg/kg	
74-87-3	Chloromethane	ND	0.0049	0.00021	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00053	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00047	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00015	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00098	0.00024	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00098	0.00017	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00098	0.00013	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00098	0.00015	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0049	0.00053	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00098	0.00018	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00098	0.00017	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00098	0.00015	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00098	0.00043	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00098	0.00015	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00030	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00022	mg/kg	
100-41-4	Ethylbenzene	ND	0.00098	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0049	0.00047	mg/kg	
591-78-6	2-Hexanone	ND	0.0049	0.0014	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-15	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-2	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	81.3
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.00015	mg/kg	
79-20-9	Methyl Acetate	ND	0.0049	0.0020	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0020	0.00049	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00098	0.00026	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0049	0.00083	mg/kg	
75-09-2	Methylene chloride	ND	0.0049	0.00098	mg/kg	
100-42-5	Styrene	ND	0.0020	0.00014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00023	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0020	0.00027	mg/kg	
108-88-3	Toluene	ND	0.00098	0.00012	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0049	0.00049	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0049	0.00049	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00016	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00032	mg/kg	
79-01-6	Trichloroethene	ND	0.00098	0.00019	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0049	0.00061	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00020	mg/kg	
	m,p-Xylene	ND	0.00098	0.00021	mg/kg	
95-47-6	o-Xylene	ND	0.00098	0.00020	mg/kg	
1330-20-7	Xylene (total)	ND	0.00098	0.00020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		72-129%
17060-07-0	1,2-Dichloroethane-D4	97%		73-132%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	107%		77-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-15	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-2	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	81.3
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M134303.D	1	05/22/17 12:25	AN	05/20/17	OP2987	EM5760
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.080	0.020	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.024	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.034	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.071	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.20	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.20	0.043	mg/kg	
95-48-7	2-Methylphenol	ND	0.080	0.025	mg/kg	
	3&4-Methylphenol	ND	0.080	0.033	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.026	mg/kg	
100-02-7	4-Nitrophenol	ND	0.40	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.16	0.037	mg/kg	
108-95-2	Phenol	ND	0.080	0.021	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.026	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.030	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.024	mg/kg	
83-32-9	Acenaphthene	ND	0.040	0.014	mg/kg	
208-96-8	Acenaphthylene	ND	0.040	0.020	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0086	mg/kg	
120-12-7	Anthracene	ND	0.040	0.024	mg/kg	
1912-24-9	Atrazine	ND	0.080	0.017	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.040	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.040	0.018	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.040	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.040	0.019	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.080	0.015	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.080	0.0097	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.080	0.0055	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.0099	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.080	0.0095	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.014	mg/kg	
86-74-8	Carbazole	ND	0.080	0.0058	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-15	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-2	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	81.3
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.080	0.016	mg/kg	
218-01-9	Chrysene	ND	0.040	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.080	0.0085	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.080	0.017	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.080	0.014	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.080	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.040	0.012	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.040	0.020	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.080	0.033	mg/kg	
123-91-1	1,4-Dioxane	ND	0.040	0.026	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.040	0.018	mg/kg	
132-64-9	Dibenzofuran	ND	0.080	0.016	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.080	0.0065	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.080	0.0099	mg/kg	
84-66-2	Diethyl phthalate	ND	0.080	0.0085	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.080	0.0071	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.080	0.0093	mg/kg	
206-44-0	Fluoranthene	ND	0.040	0.018	mg/kg	
86-73-7	Fluorene	ND	0.040	0.018	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.080	0.010	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.040	0.016	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.40	0.016	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.040	0.019	mg/kg	
78-59-1	Isophorone	ND	0.080	0.0085	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.080	0.0090	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.0094	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.010	mg/kg	
91-20-3	Naphthalene	ND	0.040	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.080	0.015	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.080	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.015	mg/kg	
85-01-8	Phenanthrene	ND	0.040	0.013	mg/kg	
129-00-0	Pyrene	ND	0.040	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> B-15	
<b>Lab Sample ID:</b> JC43407-2	<b>Date Sampled:</b> 05/15/17
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 05/16/17
<b>Method:</b> SW846 8270D SW846 3546	<b>Percent Solids:</b> 81.3
<b>Project:</b> 79 Hurley Avenue, Kingston, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	74%		27-114%
118-79-6	2,4,6-Tribromophenol	92%		19-152%
4165-60-0	Nitrobenzene-d5	78%		26-134%
321-60-8	2-Fluorobiphenyl	75%		39-124%
1718-51-0	Terphenyl-d14	90%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.10	.39	mg/kg	J
	system artifact	3.20	.19	mg/kg	J
	system artifact/aldol-condensation	3.58	11	mg/kg	J
10544-50-0	Cyclic octaatomic sulfur	13.33	.23	mg/kg	JN
	Total TIC, Semi-Volatile		.23	mg/kg	J

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 2

Client Sample ID:	B-14 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-3	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D166844.D	1	05/20/17 01:19	EC	n/a	n/a	V2D6996
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	0.38	1.0	0.31	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-14 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-3	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		76-120%
17060-07-0	1,2-Dichloroethane-D4	106%		73-122%
2037-26-5	Toluene-D8	98%		84-119%
460-00-4	4-Bromofluorobenzene	107%		78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.43	390	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-14 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-3	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P114095.D	1	05/23/17 05:31	JJ	05/21/17	OP3013	EP5092
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	B-14 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-3	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		10-110%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 3 of 3

<b>Client Sample ID:</b> B-14 GW	
<b>Lab Sample ID:</b> JC43407-3	<b>Date Sampled:</b> 05/15/17
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 05/16/17
<b>Method:</b> SW846 8270D SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> 79 Hurley Avenue, Kingston, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	27%		10-110%
118-79-6	2,4,6-Tribromophenol	88%		36-151%
4165-60-0	Nitrobenzene-d5	68%		34-128%
321-60-8	2-Fluorobiphenyl	74%		38-119%
1718-51-0	Terphenyl-d14	58%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 2

Client Sample ID:	B-15 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-4	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D166845.D	1	05/20/17 01:49	EC	n/a	n/a	V2D6996
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	0.57	1.0	0.31	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-15 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-4	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		76-120%
17060-07-0	1,2-Dichloroethane-D4	107%		73-122%
2037-26-5	Toluene-D8	98%		84-119%
460-00-4	4-Bromofluorobenzene	107%		78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.44	420	ug/l	J
	Total TIC, Volatile		0	ug/l	

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 3

Client Sample ID:	B-15 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-4	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P114096.D	1	05/23/17 06:00	JJ	05/21/17	OP3013	EP5092
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	B-15 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-4	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		10-110%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> B-15 GW	<b>Date Sampled:</b> 05/15/17
<b>Lab Sample ID:</b> JC43407-4	<b>Date Received:</b> 05/16/17
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8270D SW846 3510C	
<b>Project:</b> 79 Hurley Avenue, Kingston, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	31%		10-110%
118-79-6	2,4,6-Tribromophenol	100%		36-151%
4165-60-0	Nitrobenzene-d5	73%		34-128%
321-60-8	2-Fluorobiphenyl	79%		38-119%
1718-51-0	Terphenyl-d14	66%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
10544-50-0	Cyclic octaatomic sulfur	11.42	5.2	ug/l	JN
	Total TIC, Semi-Volatile		5.2	ug/l	J

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 2

Client Sample ID:	MW-1	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-5	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D166846.D	1	05/20/17 02:19	EC	n/a	n/a	V2D6996
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-5	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.51	1.0	0.34	ug/l	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%
17060-07-0	1,2-Dichloroethane-D4	106%		73-122%
2037-26-5	Toluene-D8	98%		84-119%
460-00-4	4-Bromofluorobenzene	106%		78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.43	310	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 3

Client Sample ID:	MW-1	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-5	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P114097.D	1	05/23/17 06:29	JJ	05/21/17	OP3013	EP5092
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-5	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		10-110%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 3 of 3

<b>Client Sample ID:</b> MW-1	
<b>Lab Sample ID:</b> JC43407-5	<b>Date Sampled:</b> 05/15/17
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 05/16/17
<b>Method:</b> SW846 8270D SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> 79 Hurley Avenue, Kingston, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	29%		10-110%
118-79-6	2,4,6-Tribromophenol	96%		36-151%
4165-60-0	Nitrobenzene-d5	78%		34-128%
321-60-8	2-Fluorobiphenyl	84%		38-119%
1718-51-0	Terphenyl-d14	80%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody

505 Acornest - Dayton  
2211 Route 130, Dayton, NJ 05410  
TEL: 732-229-0281 FAX: 732-229-1459  
www.aycoahd.com

[illegible]

## SGS Accutest Sample Receipt Summary

**Job Number:** JC43407

**Client:** Partner

**Project:** 17242956 EN

**Date / Time Received:** 5/16/2017 2:15:00 PM

**Delivery Method:** Accutest Courier

**Airbill #s:**
**Cooler Temps (Raw Measured) °C:** Cooler 1: (3.5);

**Cooler Temps (Corrected) °C:** Cooler 1: (4.9);

**Cooler Security**
**Y or N**
**Y or N**

- |                           |                                     |                          |                       |                                     |                          |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Cooler Temperature**
**Y or N**

- |                              |                                     |                          |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | IR Gun                              |                          |
| 3. Cooler media:             | Ice (Bag)                           |                          |
| 4. No. Coolers:              | 1                                   |                          |

**Quality Control Preservation**
**Y or N**
**N/A**

- |                                 |                                     |                                     |                          |
|---------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC:    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                          |
| 4. VOCs headspace free:         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |

**Sample Integrity - Documentation**
**Y or N**

- |  |                                     |                                     |
|--|-------------------------------------|-------------------------------------|
| 1. Sample labels present on bottles:   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Sample Integrity - Condition**
**Y or N**

- |                                  |                                     |                          |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample:          | Intact                              |                          |

**Sample Integrity - Instructions**
**Y or N**
**N/A**

- |   |                                     |                                     |                                     |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Comments -3 & -4 VOC vials rec'd without individual labels on vials. 1 label was present on outside of bag. Samples set up accordingly.

SM089-02  
Rev. Date 12/1/16

**JC43407: Chain of Custody**

**Page 2 of 3**

Response:

Response: Proceed with analysis

4.1  
4



The results set forth herein are provided by SGS North America Inc.

*e-Hardcopy 2.0*  
*Automated Report*

## Technical Report for

### Partner Engineering & Science

Daily Freeman, 73 Hurley Avenue, Kingston, NY

17242956

SGS Job Number: JC49133

Sampling Date: 08/16/17

### Report to:

Partner Engineering & Science

channa@partneresi.com

ATTN: Cilien Hanna

Total number of pages in report: 25



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole  
Laboratory Director

Client Service contact: Kelly Patterson 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.

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3.3: JC49133-3: MW-3

3.4: JC49133-4: TB

Section 4: Misc. Forms

4.1: Chain of Custody

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Sample Summary

Partner Engineering & Science

Job No: JC49133

Daily Freeman, 73 Hurley Avenue, Kingston, NY  
Project No: 17242956

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JC49133-1	08/16/17	10:15 RR	08/17/17	AQ	Ground Water	MW-1
JC49133-2	08/16/17	12:20 RR	08/17/17	AQ	Ground Water	MW-2
JC49133-3	08/16/17	11:15 RR	08/17/17	AQ	Ground Water	MW-3
JC49133-4	08/16/17	12:20 RR	08/17/17	AQ	Trip Blank Water	TB

## Summary of Hits

Page 1 of 1

Job Number: JC49133  
Account: Partner Engineering & Science  
Project: Daily Freeman, 73 Hurley Avenue, Kingston, NY  
Collected: 08/16/17

2

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

JC49133-1 MW-1

No hits reported in this sample.

JC49133-2 MW-2

Benzene	0.93	0.50	0.17	ug/l	SW846 8260C
Ethylbenzene	4.8	1.0	0.22	ug/l	SW846 8260C
Methyl Tert Butyl Ether	57.4	1.0	0.25	ug/l	SW846 8260C
Toluene	0.51 J	1.0	0.25	ug/l	SW846 8260C
m,p-Xylene	8.1	1.0	0.43	ug/l	SW846 8260C
o-Xylene	0.75 J	1.0	0.22	ug/l	SW846 8260C
Xylene (total)	8.9	1.0	0.22	ug/l	SW846 8260C
Naphthalene	0.40 J	1.0	0.23	ug/l	SW846 8270D

JC49133-3 MW-3

Methyl Tert Butyl Ether	45.6	1.0	0.25	ug/l	SW846 8260C
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JC49133-4 TB

No hits reported in this sample.

## Sample Results

## Report of Analysis

## Report of Analysis

Page 1 of 2

Client Sample ID:	MW-1	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-1	Date Received:	08/17/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L293776.D	1	08/19/17 14:18	JC	n/a	n/a	VL8257
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-1	Date Received:	08/17/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	108%		81-124%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 3

Client Sample ID:	MW-1	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-1	Date Received:	08/17/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M97266.D	1	08/21/17 00:59	CS	08/18/17 15:45	OP5457	E2M4324
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-1	Date Received:	08/17/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		10-110%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 3 of 3

<b>Client Sample ID:</b> MW-1	
<b>Lab Sample ID:</b> JC49133-1	<b>Date Sampled:</b> 08/16/17
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 08/17/17
<b>Method:</b> SW846 8270D SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> Daily Freeman, 73 Hurley Avenue, Kingston, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	27%		10-110%
118-79-6	2,4,6-Tribromophenol	93%		36-151%
4165-60-0	Nitrobenzene-d5	70%		34-128%
321-60-8	2-Fluorobiphenyl	74%		38-119%
1718-51-0	Terphenyl-d14	82%		26-129%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 2

Client Sample ID:	MW-2	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-2	Date Received:	08/17/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L293777.D	1	08/19/17 14:45	JC	n/a	n/a	VL8257
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	0.93	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	4.8	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-2	Date Received:	08/17/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	57.4	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.51	1.0	0.25	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	8.1	1.0	0.43	ug/l	
95-47-6	o-Xylene	0.75	1.0	0.22	ug/l	J
1330-20-7	Xylene (total)	8.9	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		81-124%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

ND = Not detected MDL = Method Detection Limit

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J = Indicates an estimated value

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N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 3

Client Sample ID:	MW-2	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-2	Date Received:	08/17/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M97267.D	1	08/21/17 01:27	CS	08/18/17 15:45	OP5457	E2M4324
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-2	Date Received:	08/17/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	0.40	1.0	0.23	ug/l	J
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		10-110%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 3 of 3

<b>Client Sample ID:</b> MW-2	
<b>Lab Sample ID:</b> JC49133-2	<b>Date Sampled:</b> 08/16/17
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 08/17/17
<b>Method:</b> SW846 8270D SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> Daily Freeman, 73 Hurley Avenue, Kingston, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	24%		10-110%
118-79-6	2,4,6-Tribromophenol	92%		36-151%
4165-60-0	Nitrobenzene-d5	65%		34-128%
321-60-8	2-Fluorobiphenyl	71%		38-119%
1718-51-0	Terphenyl-d14	72%		26-129%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
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J = Indicates an estimated value  
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 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-3	Date Received:	08/17/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L293778.D	1	08/19/17 15:11	JC	n/a	n/a	VL8257
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-3	Date Received:	08/17/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	45.6	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		81-124%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-3	Date Received:	08/17/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M97268.D	1	08/21/17 01:55	CS	08/18/17 15:45	OP5457	E2M4324
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-3	Date Received:	08/17/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	22%		10-110%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 3 of 3

Client Sample ID:	MW-3	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-3	Date Received:	08/17/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	13%		10-110%
118-79-6	2,4,6-Tribromophenol	52%		36-151%
4165-60-0	Nitrobenzene-d5	37%		34-128%
321-60-8	2-Fluorobiphenyl	39%		38-119%
1718-51-0	Terphenyl-d14	38%		26-129%

ND = Not detected      MDL = Method Detection Limit  
RL = Reporting Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	TB	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-4	Date Received:	08/17/17
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L293784.D	1	08/19/17 17:51	JC	n/a	n/a	VL8257
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	TB	Date Sampled:	08/16/17
Lab Sample ID:	JC49133-4	Date Received:	08/17/17
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Daily Freeman, 73 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	112%		81-124%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody

505 E. Avenue - Dayton  
2225 River View - Dayton, OH 45401  
TEL: 937-279-4500 FAX: 937-323-4770/3450  
www.mt.com

Customer Name		Project Name		Project Location		Project Date		Project Time		Project Status		Project Notes	
Partners ESI		Daily Freeman		13 Hixley Avenue		Kendall, NJ		17212/156		362-380-1700		Rym Reynolds 201-937-5866	
Project Address		Project City		Project State		Project Zip		Project Phone		Project Fax		Project Email	
61 Industrial Way		Kendall, NJ		NJ		07033		362-380-1700		362-380-1700		Rym Reynolds 201-937-5866	
Project Manager		Project Engineer		Project Designer		Project Checker		Project Approver		Project Reviewer		Project Signer	
Rym Reynolds		Rym Reynolds		Rym Reynolds		Rym Reynolds		Rym Reynolds		Rym Reynolds		Rym Reynolds	
Project Description		Project Details		Project Materials		Project Labor		Project Equipment		Project Safety		Project Other	
1 MW-1		8.6W		1015		RC		6W		5		3	
2 MW-2		1		1270		RR		1		1		1	
3 MW-3		1		118		RR		1		1		1	
4 TB		8.6W		630		R2		TB		2		2	
Project Status		Project Details		Project Materials		Project Labor		Project Equipment		Project Safety		Project Other	
1 MW-1		8.6W		1015		RC		6W		5		3	
2 MW-2		1		1270		RR		1		1		1	
3 MW-3		1		118		RR		1		1		1	
4 TB		8.6W		630		R2		TB		2		2	
Project Status		Project Details		Project Materials		Project Labor		Project Equipment		Project Safety		Project Other	
1 MW-1		8.6W		1015		RC		6W		5		3	
2 MW-2		1		1270		RR		1		1		1	
3 MW-3		1		118		RR		1		1		1	
4 TB		8.6W		630		R2		TB		2		2	
Project Status		Project Details		Project Materials		Project Labor		Project Equipment		Project Safety		Project Other	
1 MW-1		8.6W		1015		RC		6W		5		3	
2 MW-2		1		1270		RR		1		1		1	
3 MW-3		1		118		RR		1		1		1	
4 TB		8.6W		630		R2		TB		2		2	
Project Status		Project Details		Project Materials		Project Labor		Project Equipment		Project Safety		Project Other	
1 MW-1		8.6W		1015		RC		6W		5		3	
2 MW-2		1		1270		RR		1		1		1	
3 MW-3		1		118		RR		1		1		1	
4 TB		8.6W		630		R2		TB		2		2	
Project Status		Project Details		Project Materials		Project Labor		Project Equipment		Project Safety		Project Other	
1 MW-1		8.6W		1015		RC		6W		5		3	
2 MW-2		1		1270		RR		1		1		1	
3 MW-3		1		118		RR		1		1		1	
4 TB		8.6W		630		R2		TB		2		2	
Project Status		Project Details		Project Materials		Project Labor		Project Equipment		Project Safety		Project Other	
1 MW-1		8.6W		1015		RC		6W		5		3	
2 MW-2		1		1270		RR		1		1		1	
3 MW-3		1		118		RR		1		1		1	
4 TB		8.6W		630		R2		TB		2		2	
Project Status		Project Details		Project Materials		Project Labor		Project Equipment		Project Safety		Project Other	
1 MW-1		8.6W		1015		RC		6W		5		3	
2 MW-2		1		1270		RR		1		1		1	
3 MW-3		1		118		RR		1		1		1	
4 TB		8.6W		630		R2		TB		2		2	
Project Status		Project Details		Project Materials		Project Labor		Project Equipment		Project Safety		Project Other	
1 MW-1													

[illegible]

## JC49133: Chain of Custody

Page 1 of 2



## SGS Accutest Sample Receipt Summary

Job Number: JC49133

Client: \_\_\_\_\_

Project: \_\_\_\_\_

Date / Time Received: 8/17/2017 3:30:00 PM

Delivery Method: \_\_\_\_\_

Airbill #s: \_\_\_\_\_

Cooler Temps (Raw Measured) °C: Cooler 1: (3.8);

Cooler Temps (Corrected) °C: Cooler 1: (3.0);

### Cooler Security

Y or N

Y or N

- |  |   |
|--|---|
| 1. Custody Seals Present: <input checked="" type="checkbox"/> <input type="checkbox"/> | 3. COC Present: <input checked="" type="checkbox"/> <input type="checkbox"/>        |
| 2. Custody Seals Intact: <input checked="" type="checkbox"/> <input type="checkbox"/>  | 4. Smpl Dates/Time OK: <input checked="" type="checkbox"/> <input type="checkbox"/> |

### Cooler Temperature

Y or N

- |   |           |
|---|-----------|
| 1. Temp criteria achieved: <input checked="" type="checkbox"/> <input type="checkbox"/> | IR Gun    |
| 2. Cooler temp verification: _____  |           |
| 3. Cooler media: _____  | Ice (Bag) |
| 4. No. Coolers: _____   | 1         |

### Quality Control Preservation

Y or N

N/A

- |   |  |
|---|--|
| 1. Trip Blank present / cooler: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |
| 2. Trip Blank listed on COC: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>    |  |
| 3. Samples preserved properly: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>  |  |
| 4. VOCs headspace free: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>         |  |

### Sample Integrity - Documentation

Y or N

- |   |  |
|---|--|
| 1. Sample labels present on bottles: <input checked="" type="checkbox"/> <input type="checkbox"/>   |  |
| 2. Container labeling complete: <input checked="" type="checkbox"/> <input type="checkbox"/>        |  |
| 3. Sample container label / COC agree: <input checked="" type="checkbox"/> <input type="checkbox"/> |  |

### Sample Integrity - Condition

Y or N

- |   |        |
|---|--------|
| 1. Sample recvd within HT: <input checked="" type="checkbox"/> <input type="checkbox"/>       |        |
| 2. All containers accounted for: <input checked="" type="checkbox"/> <input type="checkbox"/> |        |
| 3. Condition of sample: _____   | Intact |

### Sample Integrity - Instructions

Y or N

N/A

- |  |  |
|--|--|
| 1. Analysis requested is clear: <input checked="" type="checkbox"/> <input type="checkbox"/>                             |  |
| 2. Bottles received for unspecified tests: <input type="checkbox"/> <input checked="" type="checkbox"/>                  |  |
| 3. Sufficient volume recvd for analysis: <input checked="" type="checkbox"/> <input type="checkbox"/>                    |  |
| 4. Compositing instructions clear: <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> |  |
| 5. Filtering instructions clear: <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>   |  |

Comments

SM089-02  
Rev. Date 12/1/16

JC49133: Chain of Custody

Page 2 of 2

The results set forth herein are provided by SGS North America Inc.

*e-Hardcopy 2.0*  
*Automated Report*

## Technical Report for

### Partner Engineering & Science

79 Hurley Avenue, Kingston, NY

17242956-EN

SGS Job Number: JC57335

Sampling Date: 12/13/17

#### Report to:

channa@partneresi.com  
ahassler@partneresi.com

ATTN: Distribution4

Total number of pages in report: 21



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

A handwritten signature in black ink that reads "Nancy Cole".

**Nancy Cole**  
Laboratory Director

**Client Service contact: Kelly Patterson 732-329-0200**

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.

## Sample Summary

Partner Engineering & Science

Job No: JC57335

79 Hurley Avenue, Kingston, NY

Project No: 17242956-EN

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JC57335-1	12/13/17	09:15 AH	12/14/17	AQ	Ground Water	MW-1
JC57335-2	12/13/17	11:30 AH	12/14/17	AQ	Ground Water	MW-2
JC57335-3	12/13/17	10:35 AH	12/14/17	AQ	Ground Water	MW-3
JC57335-4	12/13/17	11:30 AH	12/14/17	AQ	Trip Blank Water	TRIP BLANK

## Report of Analysis

Page 1 of 2

Client Sample ID:	MW-1	Date Sampled:	12/13/17
Lab Sample ID:	JC57335-1	Date Received:	12/14/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156805.D	1	12/20/17 03:46	EH	n/a	n/a	V2B6975
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane <sup>a</sup>	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane <sup>a</sup>	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane <sup>a</sup>	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan <sup>a</sup>	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane <sup>b</sup>	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 2 of 2

Client Sample ID:	MW-1	Date Sampled:	12/13/17
Lab Sample ID:	JC57335-1	Date Received:	12/14/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.7	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene <sup>a</sup>	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene <sup>a</sup>	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane <sup>a</sup>	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride <sup>a</sup>	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	111%		81-124%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	99%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

(b) This compound in BS is outside in house QC limits bias high. Associated CCV outside of control limits high, sample was ND. Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 3

Client Sample ID:	MW-1	Date Sampled:	12/13/17
Lab Sample ID:	JC57335-1	Date Received:	12/14/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E100356.D	1	12/29/17 17:19	SB	12/16/17 17:00	OP8724	E3E4432
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde <sup>a</sup>	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	12/13/17
Lab Sample ID:	JC57335-1	Date Received:	12/14/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate <sup>a</sup>	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene <sup>b</sup>	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		10-110%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 3 of 3

<b>Client Sample ID:</b> MW-1	
<b>Lab Sample ID:</b> JC57335-1	<b>Date Sampled:</b> 12/13/17
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 12/14/17
<b>Method:</b> SW846 8270D SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> 79 Hurley Avenue, Kingston, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	26%		10-110%
118-79-6	2,4,6-Tribromophenol	95%		36-151%
4165-60-0	Nitrobenzene-d5	72%		34-128%
321-60-8	2-Fluorobiphenyl	74%		38-119%
1718-51-0	Terphenyl-d14	97%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

(b) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

Page 1 of 2

Client Sample ID:	MW-2	Date Sampled:	12/13/17
Lab Sample ID:	JC57335-2	Date Received:	12/14/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156806.D	1	12/20/17 04:18	EH	n/a	n/a	V2B6975
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane <sup>a</sup>	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane <sup>a</sup>	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane <sup>a</sup>	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan <sup>a</sup>	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane <sup>b</sup>	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	0.62	1.0	0.22	ug/l	J
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	12/13/17
Lab Sample ID:	JC57335-2	Date Received:	12/14/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.7	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene <sup>a</sup>	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene <sup>a</sup>	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane <sup>a</sup>	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride <sup>a</sup>	ND	1.0	0.62	ug/l	
	m,p-Xylene	1.1	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	1.1	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		81-124%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

(b) This compound in BS is outside in house QC limits bias high. Associated CCV outside of control limits high, sample was ND. Associated CCV outside of control limits high, sample was ND.

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 3

Client Sample ID:	MW-2	Date Sampled:	12/13/17
Lab Sample ID:	JC57335-2	Date Received:	12/14/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E100357.D	1	12/29/17 17:46	SB	12/16/17 17:00	OP8724	E3E4432
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde <sup>a</sup>	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	12/13/17
Lab Sample ID:	JC57335-2	Date Received:	12/14/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate <sup>a</sup>	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene <sup>b</sup>	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		10-110%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

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<b>Client Sample ID:</b> MW-2	
<b>Lab Sample ID:</b> JC57335-2	<b>Date Sampled:</b> 12/13/17
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 12/14/17
<b>Method:</b> SW846 8270D SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> 79 Hurley Avenue, Kingston, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	33%		10-110%
118-79-6	2,4,6-Tribromophenol	109%		36-151%
4165-60-0	Nitrobenzene-d5	85%		34-128%
321-60-8	2-Fluorobiphenyl	89%		38-119%
1718-51-0	Terphenyl-d14	83%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

(b) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 2

Client Sample ID:	MW-3	Date Sampled:	12/13/17
Lab Sample ID:	JC57335-3	Date Received:	12/14/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156807.D	1	12/20/17 04:50	EH	n/a	n/a	V2B6975
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane <sup>a</sup>	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane <sup>a</sup>	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane <sup>a</sup>	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan <sup>a</sup>	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane <sup>b</sup>	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 2 of 2

Client Sample ID:	MW-3	Date Sampled:	12/13/17
Lab Sample ID:	JC57335-3	Date Received:	12/14/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene <sup>a</sup>	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene <sup>a</sup>	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane <sup>a</sup>	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride <sup>a</sup>	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	111%		81-124%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

(b) This compound in BS is outside in house QC limits bias high. Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 3

Client Sample ID:	MW-3	Date Sampled:	12/13/17
Lab Sample ID:	JC57335-3	Date Received:	12/14/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E100358.D	1	12/29/17 18:13	SB	12/16/17 17:00	OP8724	E3E4432
Run #2							

Run #	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.6	0.91	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.6	0.99	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.2	1.4	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.6	2.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.6	1.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.6	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.2	0.99	ug/l	
	3&4-Methylphenol	ND	2.2	0.98	ug/l	
88-75-5	2-Nitrophenol	ND	5.6	1.1	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.3	ug/l	
87-86-5	Pentachlorophenol	ND	4.4	1.5	ug/l	
108-95-2	Phenol	ND	2.2	0.44	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.6	1.6	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.6	1.5	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.6	1.0	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.21	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.15	ug/l	
98-86-2	Acetophenone	ND	2.2	0.23	ug/l	
120-12-7	Anthracene	ND	1.1	0.23	ug/l	
1912-24-9	Atrazine	ND	2.2	0.50	ug/l	
100-52-7	Benzaldehyde <sup>a</sup>	ND	5.6	0.32	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.23	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.38	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.23	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.45	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.51	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.24	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.26	ug/l	
106-47-8	4-Chloroaniline	ND	5.6	0.38	ug/l	
86-74-8	Carbazole	ND	1.1	0.25	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	12/13/17
Lab Sample ID:	JC57335-3	Date Received:	12/14/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.2	0.72	ug/l	
218-01-9	Chrysene	ND	1.1	0.20	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.31	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.28	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.41	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.61	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.53	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.2	0.56	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.73	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.37	ug/l	
132-64-9	Dibenzofuran	ND	5.6	0.24	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.55	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.26	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.29	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.24	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate <sup>a</sup>	ND	2.2	1.8	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.19	ug/l	
86-73-7	Fluorene	ND	1.1	0.19	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.55	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	3.1	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.43	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.37	ug/l	
78-59-1	Isophorone	ND	2.2	0.31	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.23	ug/l	
88-74-4	2-Nitroaniline	ND	5.6	0.31	ug/l	
99-09-2	3-Nitroaniline	ND	5.6	0.43	ug/l	
100-01-6	4-Nitroaniline	ND	5.6	0.49	ug/l	
91-20-3	Naphthalene	ND	1.1	0.26	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.71	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.53	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.25	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.19	ug/l	
129-00-0	Pyrene	ND	1.1	0.24	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene <sup>b</sup>	ND	2.2	0.41	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		10-110%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 3 of 3

<b>Client Sample ID:</b> MW-3	
<b>Lab Sample ID:</b> JC57335-3	<b>Date Sampled:</b> 12/13/17
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 12/14/17
<b>Method:</b> SW846 8270D SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b> 79 Hurley Avenue, Kingston, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	35%		10-110%
118-79-6	2,4,6-Tribromophenol	108%		36-151%
4165-60-0	Nitrobenzene-d5	81%		34-128%
321-60-8	2-Fluorobiphenyl	88%		38-119%
1718-51-0	Terphenyl-d14	108%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

(b) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 2

Client Sample ID:	TRIP BLANK	Date Sampled:	12/13/17
Lab Sample ID:	JC57335-4	Date Received:	12/14/17
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B156804.D	1	12/20/17 03:15	EH	n/a	n/a	V2B6975
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane <sup>a</sup>	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane <sup>a</sup>	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane <sup>a</sup>	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan <sup>a</sup>	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane <sup>b</sup>	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	TRIP BLANK	Date Sampled:	12/13/17
Lab Sample ID:	JC57335-4	Date Received:	12/14/17
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene <sup>a</sup>	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene <sup>a</sup>	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane <sup>a</sup>	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride <sup>a</sup>	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	109%		81-124%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	99%		80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

(b) This compound in BS is outside in house QC limits bias high. Associated CCV outside of control limits high, sample was ND. Associated CCV outside of control limits high, sample was ND.

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

SGS Accutest - Dayton  
2235 Route 130, Dayton, NJ 08810  
TEL. 732-329-0200 FAX: 732-329-3499/3480  
[www.accutest.com](http://www.accutest.com)

SGS Accutest										FED-EX Tracking #										Bottle Order Control #																																																																																									
2235 Route 130, Dayton, NJ 08810 TEL: 732-329-0200 FAX: 732-329-3499/3480 www.acctest.com										SGS Accutest Quote #										SGS Accutest Job #																																																																																									
<b>Company Name:</b> PARTNER <b>Street Address:</b> 611 Industrial Way West <b>City:</b> Eatontown, NJ 07724 <b>Project Contact:</b> ChannePartnersres.com <b>Phone #:</b> 732-380-1700 <b>Sample(s) Name(s):</b> A. Hassler										<b>Project Name:</b> Kingston, NY <b>Street:</b> Hurley Ave <b>City:</b> Kingston, NY <b>Project #:</b> 17242956 <b>Client Purchase Order #:</b> <b>Project Manager:</b> C. Hanna										<b>Matrix Codes:</b> DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OL - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank																																																																																									
<b>Billing Information (if different from Report to)</b> <b>Company Name:</b> AP <b>Street Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b>										<b>Matrix:</b> VOCs (8260) SVOCs (8270)										<b>LAB USE ONLY</b>																																																																																									
<b>Field ID / Point of Collection:</b> 1 MW-1 2 MW-2 3 MW-3 4 Trip Blank										<b>MEQ(DI) Vial #:</b> 1 2 3 4										<b>Date:</b> 12-13 12-13 12-13 12-11										<b>Time:</b> 915 1130 1035 0630										<b>Sampled by:</b> JH GW JH GW JH GW Q GW										<b>Matrix:</b> 5 5 5 2										<b># of bottles:</b> 5 5 5 2										<b>Number of preserved bottles:</b> X X X Y										<b>Preservation:</b> HNO3 HNO3 HNO3 NONE DI Water MCH ENONE										<b>Matrix:</b> X X X X										<b>Matrix:</b> X X X X									
<b>Turnaround Time (Business days):</b>										<b>Data Deliverable Information:</b>										<b>Comments / Special Instructions:</b>																																																																																									
<b>Approved By (SGS Accutest PM):</b> / Date:										<b>Commercial "A" (Level 1)</b> <input checked="" type="checkbox"/> Commercial "A" (Level 1) <input checked="" type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> FULLT1 (Level 3+4) <input type="checkbox"/> NJ Reduced <input type="checkbox"/> Commercial "C" <input type="checkbox"/> NJ Data of Known Quality Protocol Reporting										<b>NYASP Category A</b> <input type="checkbox"/> NYASP Category A <input type="checkbox"/> NYASP Category B <input type="checkbox"/> State Forms <input type="checkbox"/> EDD Format <input type="checkbox"/> Other										<b>Sample inventory is verified upon receipt in the Laboratory</b>																																																																															
<b>Emergency &amp; Rush T/A data available VIA Lablink</b>										<b>Commercial "A" = Results Only; Commercial "B" = Results + QC Summary</b> <b>NJ Reduced = Results + QC Summary + Partial Raw data</b>										<b>Sample Custody must be documented below each time samples change possession, including courier delivery.</b>																																																																																									
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## SGS Accutest Sample Receipt Summary

**Job Number:** JC57335

**Client:**
**Project:**
**Date / Time Received:** 12/14/2017 12:31:00 PM

**Delivery Method:**
**Airbill #s:**
**Cooler Temps (Raw Measured) °C:** Cooler 1: (2.0);

**Cooler Temps (Corrected) °C:** Cooler 1: (2.9);

**Cooler Security**
**Y or N**
**Y or N**

- |  |   |
|--|---|
| 1. Custody Seals Present: <input checked="" type="checkbox"/> <input type="checkbox"/> | 3. COC Present: <input checked="" type="checkbox"/> <input type="checkbox"/>        |
| 2. Custody Seals Intact: <input checked="" type="checkbox"/> <input type="checkbox"/>  | 4. Smpl Dates/Time OK: <input checked="" type="checkbox"/> <input type="checkbox"/> |

**Cooler Temperature**
**Y or N**

- |   |           |
|---|-----------|
| 1. Temp criteria achieved: <input checked="" type="checkbox"/> <input type="checkbox"/> | IR Gun    |
| 2. Cooler temp verification:  |           |
| 3. Cooler media:  | Ice (Bag) |
| 4. No. Coolers:   | 1         |

**Quality Control Preservation**
**Y or N**
**N/A**

- |   |  |
|---|--|
| 1. Trip Blank present / cooler: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |  |
| 2. Trip Blank listed on COC: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>    |  |
| 3. Samples preserved properly: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>  |  |
| 4. VOCs headspace free: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>         |  |

**Sample Integrity - Documentation**
**Y or N**

- |   |  |
|---|--|
| 1. Sample labels present on bottles: <input checked="" type="checkbox"/> <input type="checkbox"/>   |  |
| 2. Container labeling complete: <input checked="" type="checkbox"/> <input type="checkbox"/>        |  |
| 3. Sample container label / COC agree: <input checked="" type="checkbox"/> <input type="checkbox"/> |  |

**Sample Integrity - Condition**
**Y or N**

- |   |        |
|---|--------|
| 1. Sample recvd within HT: <input checked="" type="checkbox"/> <input type="checkbox"/>       |        |
| 2. All containers accounted for: <input checked="" type="checkbox"/> <input type="checkbox"/> |        |
| 3. Condition of sample:   | Intact |

**Sample Integrity - Instructions**
**Y or N**
**N/A**

- |   |                                     |
|---|-------------------------------------|
| 1. Analysis requested is clear: <input checked="" type="checkbox"/> <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests: <input type="checkbox"/> <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis: <input checked="" type="checkbox"/> <input type="checkbox"/>   |                                     |
| 4. Compositing instructions clear: <input type="checkbox"/> <input type="checkbox"/>                    | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: <input type="checkbox"/> <input type="checkbox"/>                      | <input checked="" type="checkbox"/> |

**Test Strip Lot #s:**

pH 1-12: 216017

pH 12+: 208717

**Other: (Specify)**

Comments

 SM089-03  
Rev. Date 12/7/17

**JC57335: Chain of Custody**
**Page 2 of 2**



## ANALYTICAL REPORT

Lab Number:	L1715695
Client:	Partner Engineering and Science, Inc. 611 Industrial Way W. Eatontown, NJ 07724
ATTN:	Cilien Hanna
Phone:	(732) 380-1700
Project Name:	TWENTY LAKE HOLDINGS
Project Number:	1724956
Report Date:	05/19/17

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**Project Name:** TWENTY LAKE HOLDINGS  
**Project Number:** 1724956

**Lab Number:** L1715695  
**Report Date:** 05/19/17

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L1715695-01	SG-1	SOIL_VAPOR	73 HARLEY AVE	05/12/17 15:51	05/12/17
L1715695-02	SG-2	SOIL_VAPOR	73 HARLEY AVE	05/12/17 15:54	05/12/17
L1715695-03	SG-3	SOIL_VAPOR	73 HARLEY AVE	05/12/17 15:35	05/12/17



**Project Name:** TWENTY LAKE HOLDINGS  
**Project Number:** 1724956

**Lab Number:** L1715695  
**Report Date:** 05/19/17

### 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:** TWENTY LAKE HOLDINGS  
**Project Number:** 1724956

**Lab Number:** L1715695  
**Report Date:** 05/19/17

### Case Narrative (continued)

#### Volatile Organics in Air

Canisters were released from the laboratory on May 11, 2017. The canister certification results are provided as an addendum.

Sample L1715695-01 and -02 results for Acetone should be considered estimated due to co-elution with a non-target peak.

Sample L1715695-03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 05/19/17

**AIR**

**Project Name:** TWENTY LAKE HOLDINGS**Project Number:** 1724956**Lab Number:** L1715695**Report Date:** 05/19/17**SAMPLE RESULTS**

**Lab ID:** L1715695-01  
**Client ID:** SG-1  
**Sample Location:** 73 HARLEY AVE  
**Matrix:** Soil\_Vapor  
**Anaytical Method:** 48,TO-15  
**Analytical Date:** 05/19/17 01:16  
**Analyst:** MB

**Date Collected:** 05/12/17 15:51  
**Date Received:** 05/12/17  
**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	15.2	0.200	--	75.2	0.989	--		1
Chloromethane	0.528	0.200	--	1.09	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.35	5.00	--	10.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	16.7	1.00	--	39.7	2.38	--		1
Trichlorofluoromethane	0.453	0.200	--	2.55	1.12	--		1
Isopropanol	1.62	0.500	--	3.98	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.609	0.500	--	1.85	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.786	0.200	--	2.45	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.638	0.500	--	1.88	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



**Project Name:** TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-01

Date Collected: 05/12/17 15:51

Client ID: SG-1

Date Received: 05/12/17

Sample Location: 73 HARLEY AVE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.516	0.200	--	1.82	0.705	--		1
1,1,1-Trichloroethane	0.885	0.200	--	4.83	1.09	--		1
Benzene	2.22	0.200	--	7.09	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.62	0.200	--	5.58	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.02	0.200	--	7.61	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.921	0.200	--	4.00	0.869	--		1
p/m-Xylene	2.94	0.400	--	12.8	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1



**Project Name:** TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-01

Date Collected: 05/12/17 15:51

Client ID: SG-1

Date Received: 05/12/17

Sample Location: 73 HARLEY AVE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.20	0.200	--	5.21	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.221	0.200	--	1.09	0.983	--		1
1,2,4-Trimethylbenzene	0.459	0.200	--	2.26	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	73		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	74		60-140



**Project Name:** TWENTY LAKE HOLDINGS**Project Number:** 1724956**Lab Number:** L1715695**Report Date:** 05/19/17**SAMPLE RESULTS**

**Lab ID:** L1715695-02  
**Client ID:** SG-2  
**Sample Location:** 73 HARLEY AVE  
**Matrix:** Soil\_Vapor  
**Anaytical Method:** 48,TO-15  
**Analytical Date:** 05/19/17 01:51  
**Analyst:** MB

**Date Collected:** 05/12/17 15:54  
**Date Received:** 05/12/17  
**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	2.39	0.200	--	11.8	0.989	--		1
Chloromethane	0.234	0.200	--	0.483	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.43	5.00	--	10.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	20.8	1.00	--	49.4	2.38	--		1
Trichlorofluoromethane	0.519	0.200	--	2.92	1.12	--		1
Isopropanol	2.04	0.500	--	5.01	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.730	0.500	--	2.21	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.38	0.200	--	4.30	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.572	0.500	--	1.69	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



**Project Name:** TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-02  
 Client ID: SG-2  
 Sample Location: 73 HARLEY AVE

Date Collected: 05/12/17 15:54  
 Date Received: 05/12/17  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.572	0.200	--	2.02	0.705	--		1
1,1,1-Trichloroethane	0.237	0.200	--	1.29	1.09	--		1
Benzene	2.20	0.200	--	7.03	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.17	0.200	--	4.03	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.54	0.200	--	5.80	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.413	0.200	--	1.79	0.869	--		1
p/m-Xylene	1.40	0.400	--	6.08	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1





**Project Name:** TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-02  
 Client ID: SG-2  
 Sample Location: 73 HARLEY AVE

Date Collected: 05/12/17 15:54  
 Date Received: 05/12/17  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.506	0.200	--	2.20	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.228	0.200	--	1.12	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	71		60-140
Bromochloromethane	76		60-140
chlorobenzene-d5	75		60-140



**Project Name:** TWENTY LAKE HOLDINGS**Project Number:** 1724956**Lab Number:** L1715695**Report Date:** 05/19/17**SAMPLE RESULTS**

**Lab ID:** L1715695-03 D  
**Client ID:** SG-3  
**Sample Location:** 73 HARLEY AVE  
**Matrix:** Soil\_Vapor  
**Anaytical Method:** 48,TO-15  
**Analytical Date:** 05/19/17 02:26  
**Analyst:** MB

**Date Collected:** 05/12/17 15:35  
**Date Received:** 05/12/17  
**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	2520	8.05	--	12500	39.8	--		40.26
Chloromethane	ND	8.05	--	ND	16.6	--		40.26
Freon-114	ND	8.05	--	ND	56.3	--		40.26
Vinyl chloride	ND	8.05	--	ND	20.6	--		40.26
1,3-Butadiene	ND	8.05	--	ND	17.8	--		40.26
Bromomethane	ND	8.05	--	ND	31.3	--		40.26
Chloroethane	ND	8.05	--	ND	21.2	--		40.26
Ethanol	275	201	--	518	379	--		40.26
Vinyl bromide	ND	8.05	--	ND	35.2	--		40.26
Acetone	ND	40.3	--	ND	95.7	--		40.26
Trichlorofluoromethane	ND	8.05	--	ND	45.2	--		40.26
Isopropanol	ND	20.1	--	ND	49.4	--		40.26
1,1-Dichloroethene	ND	8.05	--	ND	31.9	--		40.26
Tertiary butyl Alcohol	ND	20.1	--	ND	60.9	--		40.26
Methylene chloride	ND	20.1	--	ND	69.8	--		40.26
3-Chloropropene	ND	8.05	--	ND	25.2	--		40.26
Carbon disulfide	ND	8.05	--	ND	25.1	--		40.26
Freon-113	ND	8.05	--	ND	61.7	--		40.26
trans-1,2-Dichloroethene	ND	8.05	--	ND	31.9	--		40.26
1,1-Dichloroethane	ND	8.05	--	ND	32.6	--		40.26
Methyl tert butyl ether	ND	8.05	--	ND	29.0	--		40.26
2-Butanone	ND	20.1	--	ND	59.3	--		40.26
cis-1,2-Dichloroethene	ND	8.05	--	ND	31.9	--		40.26
Ethyl Acetate	ND	20.1	--	ND	72.4	--		40.26



**Project Name:** TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-03 D

Date Collected: 05/12/17 15:35

Client ID: SG-3

Date Received: 05/12/17

Sample Location: 73 HARLEY AVE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	8.05	--	ND	39.3	--		40.26
Tetrahydrofuran	ND	20.1	--	ND	59.3	--		40.26
1,2-Dichloroethane	ND	8.05	--	ND	32.6	--		40.26
n-Hexane	ND	8.05	--	ND	28.4	--		40.26
1,1,1-Trichloroethane	ND	8.05	--	ND	43.9	--		40.26
Benzene	ND	8.05	--	ND	25.7	--		40.26
Carbon tetrachloride	ND	8.05	--	ND	50.6	--		40.26
Cyclohexane	ND	8.05	--	ND	27.7	--		40.26
1,2-Dichloropropane	ND	8.05	--	ND	37.2	--		40.26
Bromodichloromethane	ND	8.05	--	ND	53.9	--		40.26
1,4-Dioxane	ND	8.05	--	ND	29.0	--		40.26
Trichloroethene	ND	8.05	--	ND	43.3	--		40.26
2,2,4-Trimethylpentane	ND	8.05	--	ND	37.6	--		40.26
Heptane	ND	8.05	--	ND	33.0	--		40.26
cis-1,3-Dichloropropene	ND	8.05	--	ND	36.5	--		40.26
4-Methyl-2-pentanone	ND	20.1	--	ND	82.4	--		40.26
trans-1,3-Dichloropropene	ND	8.05	--	ND	36.5	--		40.26
1,1,2-Trichloroethane	ND	8.05	--	ND	43.9	--		40.26
Toluene	ND	8.05	--	ND	30.3	--		40.26
2-Hexanone	ND	8.05	--	ND	33.0	--		40.26
Dibromochloromethane	ND	8.05	--	ND	68.6	--		40.26
1,2-Dibromoethane	ND	8.05	--	ND	61.9	--		40.26
Tetrachloroethene	ND	8.05	--	ND	54.6	--		40.26
Chlorobenzene	ND	8.05	--	ND	37.1	--		40.26
Ethylbenzene	ND	8.05	--	ND	35.0	--		40.26
p/m-Xylene	ND	16.1	--	ND	69.9	--		40.26
Bromoform	ND	8.05	--	ND	83.2	--		40.26
Styrene	ND	8.05	--	ND	34.3	--		40.26



**Project Name:** TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-03 D

Date Collected: 05/12/17 15:35

Client ID: SG-3

Date Received: 05/12/17

Sample Location: 73 HARLEY AVE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	8.05	--	ND	55.3	--		40.26
o-Xylene	ND	8.05	--	ND	35.0	--		40.26
4-Ethyltoluene	ND	8.05	--	ND	39.6	--		40.26
1,3,5-Trimethylbenzene	ND	8.05	--	ND	39.6	--		40.26
1,2,4-Trimethylbenzene	ND	8.05	--	ND	39.6	--		40.26
Benzyl chloride	ND	8.05	--	ND	41.7	--		40.26
1,3-Dichlorobenzene	ND	8.05	--	ND	48.4	--		40.26
1,4-Dichlorobenzene	ND	8.05	--	ND	48.4	--		40.26
1,2-Dichlorobenzene	ND	8.05	--	ND	48.4	--		40.26
1,2,4-Trichlorobenzene	ND	8.05	--	ND	59.8	--		40.26
Hexachlorobutadiene	ND	8.05	--	ND	85.9	--		40.26

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	76		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	78		60-140



**Project Name:** TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/18/17 15:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1004853-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



**Project Name:** TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/18/17 15:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1004853-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



**Project Name:** TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/18/17 15:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1004853-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** TWENTY LAKE HOLDINGS

**Project Number:** 1724956

**Lab Number:** L1715695

**Report Date:** 05/19/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1004853-3								
Chlorodifluoromethane	93		-		70-130	-		
Propylene	102		-		70-130	-		
Propane	70		-		70-130	-		
Dichlorodifluoromethane	118		-		70-130	-		
Chloromethane	109		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	123		-		70-130	-		
Methanol	82		-		70-130	-		
Vinyl chloride	112		-		70-130	-		
1,3-Butadiene	111		-		70-130	-		
Butane	90		-		70-130	-		
Bromomethane	118		-		70-130	-		
Chloroethane	113		-		70-130	-		
Ethyl Alcohol	83		-		70-130	-		
Dichlorofluoromethane	97		-		70-130	-		
Vinyl bromide	108		-		70-130	-		
Acrolein	91		-		70-130	-		
Acetone	113		-		70-130	-		
Acetonitrile	96		-		70-130	-		
Trichlorofluoromethane	112		-		70-130	-		
iso-Propyl Alcohol	94		-		70-130	-		
Acrylonitrile	98		-		70-130	-		
Pentane	87		-		70-130	-		
Ethyl ether	78		-		70-130	-		



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** TWENTY LAKE HOLDINGS

**Project Number:** 1724956

**Lab Number:** L1715695

**Report Date:** 05/19/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1004853-3								
1,1-Dichloroethene	116		-		70-130	-		
tert-Butyl Alcohol	92		-		70-130	-		
Methylene chloride	118		-		70-130	-		
3-Chloropropene	104		-		70-130	-		
Carbon disulfide	112		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	119		-		70-130	-		
trans-1,2-Dichloroethene	99		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
Vinyl acetate	112		-		70-130	-		
2-Butanone	87		-		70-130	-		
cis-1,2-Dichloroethene	100		-		70-130	-		
Ethyl Acetate	105		-		70-130	-		
Chloroform	106		-		70-130	-		
Tetrahydrofuran	85		-		70-130	-		
2,2-Dichloropropane	89		-		70-130	-		
1,2-Dichloroethane	99		-		70-130	-		
n-Hexane	93		-		70-130	-		
Isopropyl Ether	87		-		70-130	-		
Ethyl-Tert-Butyl-Ether	82		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
1,1-Dichloropropene	91		-		70-130	-		
Benzene	95		-		70-130	-		

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** TWENTY LAKE HOLDINGS

**Project Number:** 1724956

**Lab Number:** L1715695

**Report Date:** 05/19/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1004853-3								
Carbon tetrachloride	99		-		70-130	-		
Cyclohexane	90		-		70-130	-		
Tertiary-Amyl Methyl Ether	79		-		70-130	-		
Dibromomethane	95		-		70-130	-		
1,2-Dichloropropane	98		-		70-130	-		
Bromodichloromethane	101		-		70-130	-		
1,4-Dioxane	99		-		70-130	-		
Trichloroethene	103		-		70-130	-		
2,2,4-Trimethylpentane	95		-		70-130	-		
Methyl Methacrylate	93		-		70-130	-		
Heptane	86		-		70-130	-		
cis-1,3-Dichloropropene	101		-		70-130	-		
4-Methyl-2-pentanone	89		-		70-130	-		
trans-1,3-Dichloropropene	88		-		70-130	-		
1,1,2-Trichloroethane	105		-		70-130	-		
Toluene	101		-		70-130	-		
1,3-Dichloropropane	95		-		70-130	-		
2-Hexanone	93		-		70-130	-		
Dibromochloromethane	108		-		70-130	-		
1,2-Dibromoethane	110		-		70-130	-		
Butyl Acetate	92		-		70-130	-		
Octane	92		-		70-130	-		
Tetrachloroethene	106		-		70-130	-		

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** TWENTY LAKE HOLDINGS

**Project Number:** 1724956

**Lab Number:** L1715695

**Report Date:** 05/19/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1004853-3								
1,1,1,2-Tetrachloroethane	96		-		70-130	-		
Chlorobenzene	105		-		70-130	-		
Ethylbenzene	103		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	112		-		70-130	-		
Styrene	102		-		70-130	-		
1,1,2,2-Tetrachloroethane	110		-		70-130	-		
o-Xylene	104		-		70-130	-		
1,2,3-Trichloropropane	94		-		70-130	-		
Nonane (C9)	82		-		70-130	-		
Isopropylbenzene	97		-		70-130	-		
Bromobenzene	94		-		70-130	-		
o-Chlorotoluene	112		-		70-130	-		
n-Propylbenzene	81		-		70-130	-		
p-Chlorotoluene	92		-		70-130	-		
4-Ethyltoluene	102		-		70-130	-		
1,3,5-Trimethylbenzene	102		-		70-130	-		
tert-Butylbenzene	97		-		70-130	-		
1,2,4-Trimethylbenzene	107		-		70-130	-		
Decane (C10)	90		-		70-130	-		
Benzyl chloride	100		-		70-130	-		
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** TWENTY LAKE HOLDINGS

**Project Number:** 1724956

**Lab Number:** L1715695

**Report Date:** 05/19/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1004853-3								
sec-Butylbenzene	96		-		70-130	-		
p-Isopropyltoluene	90		-		70-130	-		
1,2-Dichlorobenzene	108		-		70-130	-		
n-Butylbenzene	101		-		70-130	-		
1,2-Dibromo-3-chloropropane	95		-		70-130	-		
Undecane	94		-		70-130	-		
Dodecane (C12)	106		-		70-130	-		
1,2,4-Trichlorobenzene	121		-		70-130	-		
Naphthalene	103		-		70-130	-		
1,2,3-Trichlorobenzene	106		-		70-130	-		
Hexachlorobutadiene	112		-		70-130	-		

# Lab Duplicate Analysis

## Batch Quality Control

Project Name: TWENTY LAKE HOLDINGS

Project Number: 1724956

Lab Number: L1715695

Report Date: 05/19/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1004853-5 QC Sample: L1716153-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.452	0.408	ppbV	10		25
Chloromethane	0.813	0.804	ppbV	1		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	163	165	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	15.2	15.3	ppbV	1		25
Trichlorofluoromethane	0.353	0.334	ppbV	6		25
iso-Propyl Alcohol	4.26	4.12	ppbV	3		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.751	0.760	ppbV	1		25
Ethyl Acetate	23.8	23.5	ppbV	1		25

# Lab Duplicate Analysis

## Batch Quality Control

Project Name: TWENTY LAKE HOLDINGS

Project Number: 1724956

Lab Number: L1715695

Report Date: 05/19/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1004853-5 QC Sample: L1716153-02 Client ID: DUP Sample						
Chloroform	0.531	0.522	ppbV	2		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.523	0.553	ppbV	6		25
Benzene	0.465	0.453	ppbV	3		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	1.52	1.51	ppbV	1		25
Heptane	0.547	0.534	ppbV	2		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	1.80	1.82	ppbV	1		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

# Lab Duplicate Analysis

## Batch Quality Control

Project Name: TWENTY LAKE HOLDINGS

Project Number: 1724956

Lab Number: L1715695

Report Date: 05/19/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1004853-5 QC Sample: L1716153-02 Client ID: DUP Sample						
p/m-Xylene	0.652	0.678	ppbV	4		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	0.331	0.339	ppbV	2		25
4-Ethyltoluene	0.386	0.390	ppbV	1		25
1,3,5-Trimethylbenzene	0.409	0.412	ppbV	1		25
1,2,4-Trimethylbenzene	1.17	1.18	ppbV	1		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

**Project Name:** TWENTY LAKE HOLDINGS

Serial\_No:05191716:33  
**Lab Number:** L1715695

**Project Number:** 1724956

**Report Date:** 05/19/17

**Canister and Flow Controller Information**

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1715695-01	SG-1	0586	Flow 5	05/11/17	241749		-	-	-	Pass	4.5	1.6	95
L1715695-01	SG-1	388	2.7L Can	05/11/17	241749	L1714850-01	Pass	-30.0	-15.0	-	-	-	-
L1715695-02	SG-2	0620	Flow 2	05/11/17	241749		-	-	-	Pass	4.4	3.8	15
L1715695-02	SG-2	178	2.7L Can	05/11/17	241749	L1714850-01	Pass	-30.0	-10.9	-	-	-	-
L1715695-03	SG-3	0784	Flow 5	05/11/17	241749		-	-	-	Pass	4.4	4.4	0
L1715695-03	SG-3	254	2.7L Can	05/11/17	241749	L1714850-01	Pass	-30.0	-9.0	-	-	-	-



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1714850  
**Report Date:** 05/19/17

### Air Canister Certification Results

**Lab ID:** L1714850-01  
**Client ID:** CAN 2030 SHELF 7  
**Sample Location:**  
**Matrix:** Air  
**Analytical Method:** 48,TO-15  
**Analytical Date:** 05/09/17 16:11  
**Analyst:** MB

**Date Collected:** 05/08/17 16:00  
**Date Received:** 05/09/17  
**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1714850  
**Report Date:** 05/19/17

### Air Canister Certification Results

**Lab ID:** L1714850-01  
**Client ID:** CAN 2030 SHELF 7  
**Sample Location:**

**Date Collected:** 05/08/17 16:00  
**Date Received:** 05/09/17  
**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1714850  
**Report Date:** 05/19/17

### Air Canister Certification Results

Lab ID: L1714850-01  
 Client ID: CAN 2030 SHELF 7  
 Sample Location:

Date Collected: 05/08/17 16:00  
 Date Received: 05/09/17  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1714850  
**Report Date:** 05/19/17

### Air Canister Certification Results

**Lab ID:** L1714850-01  
**Client ID:** CAN 2030 SHELF 7  
**Sample Location:**

**Date Collected:** 05/08/17 16:00  
**Date Received:** 05/09/17  
**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1714850**Project Number:** CANISTER QC BAT**Report Date:** 05/19/17**Air Canister Certification Results**

Lab ID: L1714850-01

Date Collected: 05/08/17 16:00

Client ID: CAN 2030 SHELF 7

Date Received: 05/09/17

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	98		60-140

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1714850  
**Report Date:** 05/19/17

### Air Canister Certification Results

Lab ID: L1714850-01  
 Client ID: CAN 2030 SHELF 7  
 Sample Location:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 05/09/17 16:11  
 Analyst: MB

Date Collected: 05/08/17 16:00  
 Date Received: 05/09/17  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L1714850  
**Report Date:** 05/19/17

### Air Canister Certification Results

Lab ID: L1714850-01  
 Client ID: CAN 2030 SHELF 7  
 Sample Location:

Date Collected: 05/08/17 16:00  
 Date Received: 05/09/17  
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1714850**Project Number:** CANISTER QC BAT**Report Date:** 05/19/17**Air Canister Certification Results**

Lab ID: L1714850-01

Date Collected: 05/08/17 16:00

Client ID: CAN 2030 SHELF 7

Date Received: 05/09/17

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	97		60-140





**Project Name:** TWENTY LAKE HOLDINGS**Project Number:** 1724956**Lab Number:** L1715695**Report Date:** 05/19/17**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information Custody Seal****Cooler**

N/A Present/Intact

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Analysis(*)</b>
L1715695-01A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1715695-02A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1715695-03A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)

\*Values in parentheses indicate holding time in days



**Project Name:** TWENTY LAKE HOLDINGS  
**Project Number:** 1724956

**Lab Number:** L1715695  
**Report Date:** 05/19/17

## 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

**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.

**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.

### 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 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

**Report Format:** Data Usability Report



**Project Name:** TWENTY LAKE HOLDINGS  
**Project Number:** 1724956

**Lab Number:** L1715695  
**Report Date:** 05/19/17

#### Data Qualifiers

- 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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

**Project Name:** TWENTY LAKE HOLDINGS  
**Project Number:** 1724956

**Lab Number:** L1715695  
**Report Date:** 05/19/17

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## 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.



**Alpha Analytical, Inc.**

ID No.:17873

Facility: **Company-wide**

Revision 10

Department: **Quality Assurance**

Published Date: 1/16/2017 11:00:05 AM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

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## Certification Information

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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:** NPW and SCM: Perchlorate**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation**EPA 9012B:** NPW: Total Cyanide**EPA 9050A:** NPW: Specific Conductance**SM3500:** NPW: Ferrous Iron**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**SM5310C:** DW: Dissolved Organic Carbon**Mansfield Facility****SM 2540D:** TSS**EPA 3005A** NPW**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

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

**Westborough Facility:****Drinking Water****EPA 300.0:** 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, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **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.****Mansfield Facility:****Drinking Water****EPA 200.7:** Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.****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**


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



## CHAIN OF CUSTODY

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320 Forbes Blvd, Mansfield, MA 02048  
TEL: 508-822-9300 FAX: 508-822-3288

## Client Information

Client: Partner EST  
Address: 611 Industrial Way West  
Eatontown, NJ 07724  
Phone: 732 380 1700  
Fax: 732 380 1701  
Email: CHANNA@Partnersi.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

## Project Information

Project Name: Twenty Lake Holdings  
Project Location: 73 Hurley Ave  
Project #: 1724956  
Project Manager: C. Hanna  
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: July 17/1 Time: \_\_\_\_\_

## Report Information - Data Deliverables

☐ FAX  
☒ ADE<sub>x</sub>

Criteria Checker: \_\_\_\_\_  
(Default based on Regulatory Criteria Indicated)

Other Formats:

☒ EMAIL (standard pdf report)

☐ Additional Deliverables:

Report to: (if different than Project Manager)

ALPHA Job #: L1715695

### Billing Information

☐ Same as Client info      PO #:

## Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
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## ANALYSIS

TO-15  
TO-15 SIM  
APH Subtract Non-petroleum HCs  
Fixed Gases  
Sulfides & Mercaptans by TO-15 ☐

**All Columns Below Must Be Filled Out**

[illegible]

**\*SAMPLE MATRIX CODES**

AA = Ambient Air (Indoor/Outdoor)  
SV = Soil Vapor/Landfill Gas/SVE  
Other = Please Specify

Container Type

45

Relinquished By:

Date/Time

Received By:

Date/Time:

Form No: 101-02 Rev: (25-Sep-15)