PARTNER

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

PARTNER

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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ATTACHMENTS

1.0 INTRODUCTION

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

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

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

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

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

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
B1	South of the excavation	15.0	Soil	12.5 - 13.0	VOCs
B2	Southern portion of the excavation	15.5	Soil	13.0 - 13.5	VOCs
			Groundwater	Screened 5.5 to 15.5	VOCs and SVOCs
B3	Center of the excavation	17.0	Soil	12.0 - 12.5	VOCs
B4	Northern portion of the excavation	17.0	Soil	10.5 - 11.0	VOCs
			Groundwater	Screened 7.0 to 17.0	VOCs and SVOCs
B5	West of the excavation, to the east of the former dispenser location	20.0	Soil	15.5 to 16.0	VOCs
B6	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
B7	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
B8	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
NEphthalene	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
SVOCs via EPA Method 8270 (mg/kg)													
2,4,5-Trichlorophenol	**NE**	**0.1**	**100**	**NE**	**NE**	-	-	-	-	-	-	< 0.19	< 0.19
2,4-Dinitrophenol	**NE**	**0.2**	**100**	**NE**	**NE**	-	-	-	-	-	-	< 0.93	< 0.92
2,6-Dinitrotoluene	**NE**	**0.17**	**1.03**	**NE**	**NE**	-	-	-	-	-	-	< 0.19	< 0.19
2-Nitrophenol	**NE**	**0.3**	**NE**	**NE**	**NE**	-	-	-	-	-	-	< 0.42	< 0.41
4-Nitrophenol	**NE**	**0.1**	**NE**	**NE**	**NE**	-	-	-	-	-	-	< 0.27	< 0.27
Nitrobenzene	**NE**	**0.17**	**3.7**	**69**	**140**	-	-	-	-	-	-	< 0.17	< 0.17
Priority Pollutant Metals via 6010/7471 (mg/kg)													
Arsenic, Total	**13**	**16**	**16**	**16**	**16**	-	-	-	-	-	-	6	6.2
Beryllium, Total	**7.2**	**47**	**14**	**590**	**2700**	-	-	-	-	-	-	0.29	0.29
Chromium, Total*	**1**	**19**	**22**	**400**	**800**	-	-	-	-	-	-	**12**	**12**
Copper, Total	**50**	**1720**	**270**	**270**	**10000**	-	-	-	-	-	-	16	16
Lead, Total	**63**	**450**	**400**	**1000**	**3900**	-	-	-	-	-	-	9	9.9
Mercury, Total	**0.18**	**0.73**	**0.81**	**2.8**	**5.7**	-	-	-	-	-	-	0.02 J	0.03 J
Nickel, Total	**30**	**130**	**140**	**310**	**10000**	-	-	-	-	-	-	18	18
Zinc, Total	**109**	**2480**	**2200**	**10000**	**10000**	-	-	-	-	-	-	44	44

Notes:
VOCs = volatile organic compounds
SVOCs = semivolatile organic compounds
EPA = United States Environmental Protection Agency
mg/kg = milligrams per kilogram
< = 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
VOCs via EPA Method 8260 (µg/l)					
1,1,1,2-Tetrachloroethane	5	< 2.5	< 25	< 2.5	< 2.5
1,1,1-Trichloroethane	5	< 2.5	< 25	< 2.5	< 2.5
1,1,2,2-Tetrachloroethane	5	< 0.5	< 5	< 0.5	< 0.5
1,1,2-Trichloroethane	1	< 1.5	< 15	< 1.5	< 1.5
1,1-Dichloroethane	5	< 2.5	< 25	< 2.5	< 2.5
1,1-Dichloroethene	5	< 0.5	< 5	< 0.5	< 0.5
1,1-Dichloropropene	5	< 2.5	< 25	< 2.5	< 2.5
1,2,3-Trichlorobenzene	5	< 2.5	< 25	< 2.5	< 2.5
1,2,3-Trichloropropane	0.04	< 2.5	< 25	< 2.5	< 2.5
1,2,4,5-Tetramethylbenzene	5	< 2	**77**	1.7 J	0.58 J
1,2,4-Trichlorobenzene	5	< 2.5	< 25	< 2.5	< 2.5
1,2,4-Trimethylbenzene	5	< 2.5	**720**	3	< 2.5
1,2-Dibromo-3-chloropropane	0.04	< 2.5	< 25	< 2.5	< 2.5
1,2-Dibromoethane	0.0006	< 2	< 20	< 2	< 2
1,2-Dichlorobenzene	3	< 2.5	< 25	< 2.5	< 2.5
1,2-Dichloroethane	0.6	< 0.5	< 5	< 0.5	< 0.5
1,2-Dichloroethene, Total	NE	< 2.5	< 25	< 2.5	12 J
1,2-Dichloropropane	1	< 1	< 10	< 1	< 1
1,3,5-Trimethylbenzene	5	< 2.5	**18 J**	2 J	< 2.5
1,3-Dichlorobenzene	3	< 2.5	< 25	< 2.5	< 2.5
1,3-Dichloropropane	5	< 2.5	< 25	< 2.5	< 2.5
1,4-Dichlorobenzene	3	< 2.5	< 25	< 2.5	< 2.5
2,2-Dichloropropane	5	< 2.5	< 25	< 2.5	< 2.5
2-Butanone	50	< 5	< 50	< 5	< 5
2-Hexanone	50	< 5	< 50	< 5	< 5
Acetone	50	< 5	< 50	7.1	2.3 J
Acrylonitrile	5	< 5	< 50	< 5	< 5
Benzene	1	< 0.5	**43**	**1.3**	0.19 J
Bromobenzene	5	< 2.5	< 25	< 2.5	< 2.5
Bromochloromethane	5	< 2.5	< 25	< 2.5	< 2.5
Bromomethane	5	< 2.5	< 25	< 2.5	< 2.5
Carbon tetrachloride	5	< 0.5	< 5	< 0.5	< 0.5
Chlorobenzene	5	< 2.5	< 25	< 2.5	< 2.5
Chloroethane	5	< 2.5	< 25	< 2.5	< 2.5
Chloroform	7	< 2.5	< 25	< 2.5	< 2.5
cis-1,2-Dichloroethene	5	< 2.5	< 25	< 2.5	**11**
cis-1,3-Dichloropropene	0.4	< 0.5	< 5	< 0.5	< 0.5
Dibromomethane	5	< 5	< 50	< 5	< 5
Dichlorodifluoromethane	5	< 5	< 50	< 5	< 5
Ethylbenzene	5	< 2.5	**340**	< 2.5	< 2.5
Hexachlorobutadiene	0.5	< 2.5	< 25	< 2.5	< 2.5
Isopropylbenzene	5	< 2.5	**30**	4	< 2.5
Methyl tert butyl ether	10	3	< 25	8.8	< 2.5
Methylene chloride	5	< 2.5	< 25	< 2.5	< 2.5
n-Butylbenzene	5	< 2.5	**21 J**	< 2.5	< 2.5
n-Propylbenzene	5	< 2.5	**87**	**9.7**	< 2.5
Naphthalene	10	< 2.5	**61**	6.4	1.2 J
o-Chlorotoluene	5	< 2.5	< 25	< 2.5	< 2.5
o-Xylene	5	< 2.5	**20 J**	2.8	< 2.5
p-Chlorotoluene	5	< 2.5	< 25	< 2.5	< 2.5
p-Diethylbenzene	NE	< 2	24	1.3 J	< 2
p-Ethyltoluene	NE	< 2	230	< 2	< 2
p-Isopropyltoluene	5	< 2.5	< 25	< 2.5	< 2.5
p/m-Xylene	5	< 2.5	**280**	**5.6**	< 2.5
sec-Butylbenzene	5	< 2.5	< 25	< 2.5	< 2.5
Styrene	5	< 2.5	< 25	< 2.5	< 2.5
tert-Butylbenzene	5	< 2.5	< 25	< 2.5	< 2.5
Tetrachloroethene	5	< 0.5	< 5	< 0.5	< 0.5
Toluene	5	< 2.5	**8.9 J**	1 J	< 2.5
trans-1,2-Dichloroethene	5	< 2.5	< 25	< 2.5	1.2 J
trans-1,3-Dichloropropene	0.4	< 0.5	< 5	< 0.5	< 0.5
trans-1,4-Dichloro-2-butene	5	< 2.5	< 25	< 2.5	< 2.5
Trichloroethene	5	< 0.5	< 5	< 0.5	< 0.5
Trichlorofluoromethane	5	< 2.5	< 25	< 2.5	< 2.5
Vinyl chloride	2	< 1	< 10	< 1	0.27 J
Xylenes, Total	NE	< 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
SVOCs via EPA Method 8270 (µg/l)					
1,2,4,5-Tetrachlorobenzene	**5**	< 10	< 10	< 10	-
1,2,4-Trichlorobenzene	**5**	< 5	< 5	< 5	-
2,4-Dichlorophenol	**1**	< 5	< 5	< 5	-
2,4-Dinitrophenol	**10**	< 20	< 20	< 20	-
2,4-Dinitrotoluene	**5**	< 5	< 5	< 5	-
2,6-Dinitrotoluene	**5**	< 5	< 5	< 5	-
2-Nitroaniline	**5**	< 5	< 5	< 5	-
3,3'-Dichlorobenzidine	**5**	< 5	< 5	< 5	-
3-Nitroaniline	**5**	< 5	< 5	< 5	-
4-Chloroaniline	**5**	< 5	< 5	< 5	-
4-Nitroaniline	**5**	< 5	< 5	< 5	-
Bis(2-chloroethoxy)methane	**5**	< 5	< 5	< 5	-
Bis(2-chloroethyl)ether	**1**	< 2	< 2	< 2	-
Carbazole	**NE**	< 2	1.9 J	< 2	-
Hexachlorocyclopentadiene	**5**	< 20	< 20	< 20	-
Nitrobenzene	**0.4**	< 2	< 2	< 2	-
Phenol	**1**	< 5	< 5	< 5	-
SVOCs via EPA Method 8270 SIM (µg/l)					
2-Methylnaphthalene	**NE**	< 0.2	30	0.49	-
Acenaphthene	**20**	< 0.1	0.64 J	< 0.1	-
Anthracene	**50**	< 0.2	0.49 J	< 0.2	-
Benzo(a)anthracene	**NE**	< 0.2	0.38 J	< 0.2	-
Benzo(a)pyrene	**0.002**	< 0.2	< 2	< 0.2	-
Benzo(b)fluoranthene	**0.002**	< 0.2	< 2	< 0.2	-
Benzo(k)fluoranthene	**0.002**	< 0.2	< 2	< 0.2	-
Chrysene	**0.002**	< 0.2	< 2	< 0.2	-
Fluoranthene	**50**	< 0.2	1.5 J	< 0.2	-
Fluorene	**50**	< 0.2	0.92 J	< 0.2	-
Hexachlorobenzene	**0.04**	< 0.8	< 8	< 0.8	-
Hexachlorobutadiene	**0.5**	< 0.5	< 5	< 0.5	-
Hexachloroethane	**5**	< 0.8	< 8	< 0.8	-
Indeno(1,2,3-cd)pyrene	**0.002**	< 0.2	< 2	< 0.2	-
Naphthalene	**10**	< 0.2	**70**	6.9	-
Pentachlorophenol	**1**	< 0.8	< 8	< 0.8	-
Phenanthrene	**50**	< 0.2	2.4	< 0.2	-
Pyrene	**50**	< 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
< = not detected above indicated laboratory Reporting Limit (RL)
J = detected below laboratory PQLs
NE = not established
Values in **bold** exceed AWQS
RL exceeds AWQS
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

FIGURES

PARTNER

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

Project Number: 16-162670.6

Legend

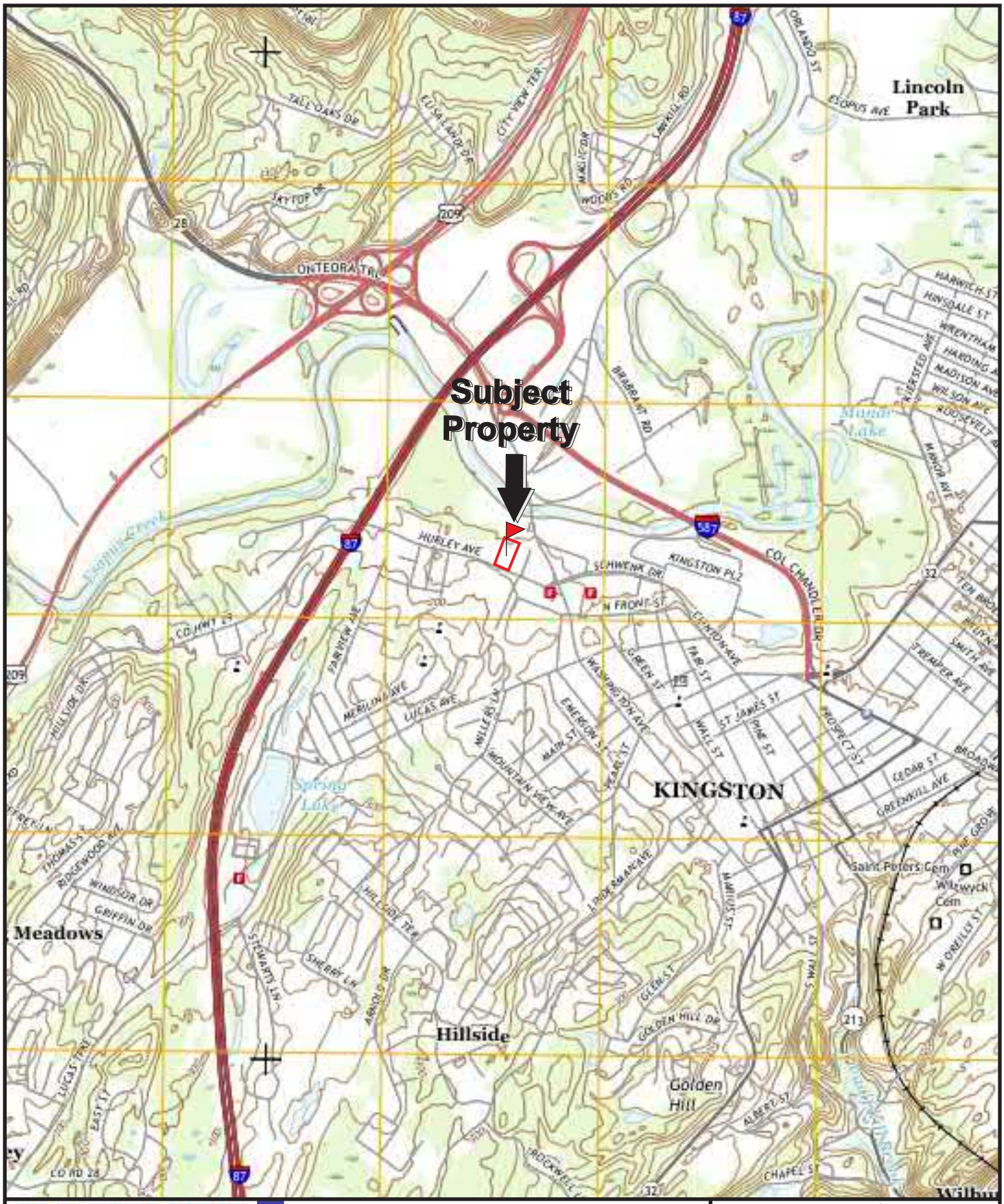
Subject Site

N

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

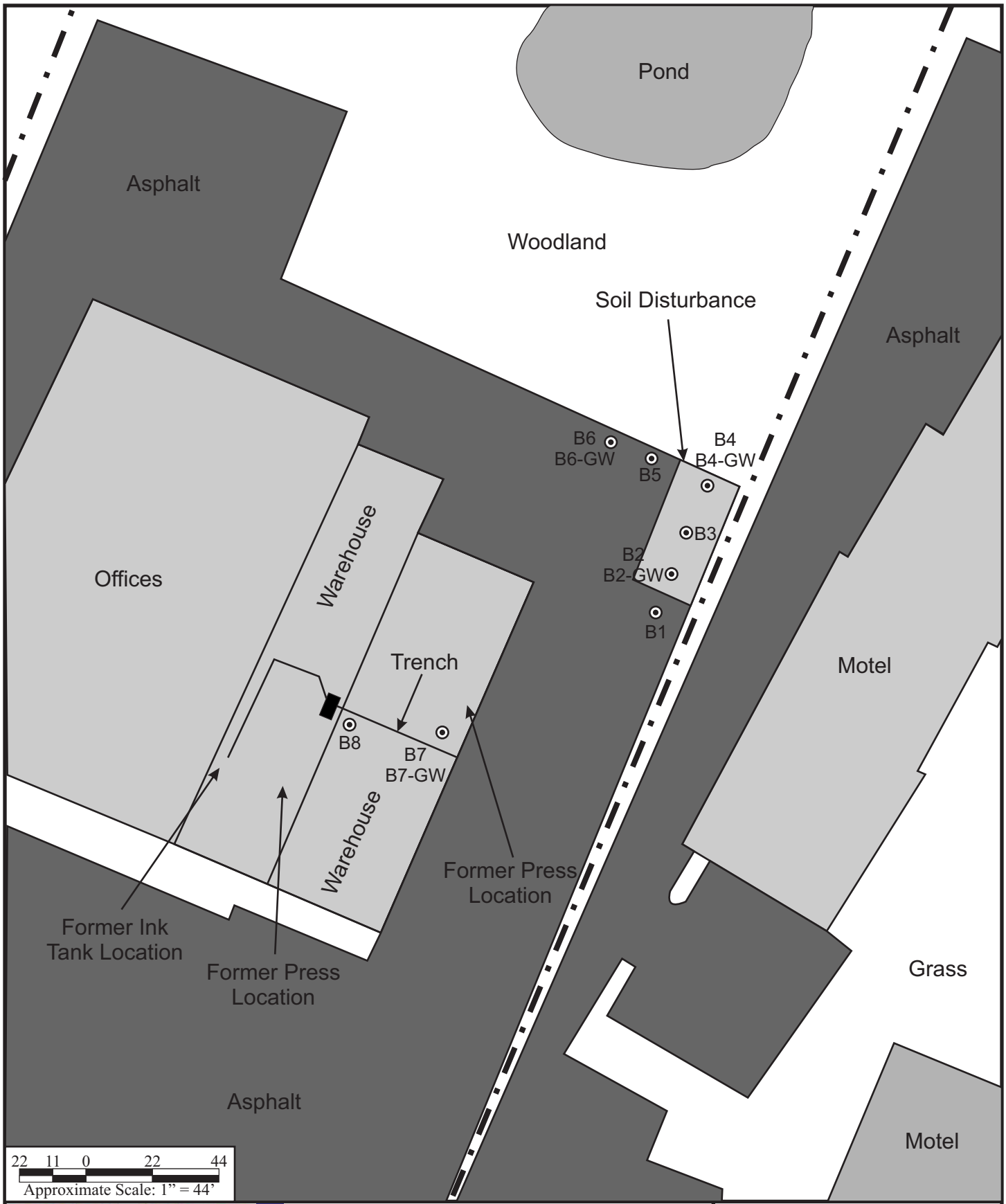
N

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



PARTNER

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

Project Number: 16-162670.6

Legend

N

Subject Site

Boring Location

Sample Location Map

Figure	Prepared By	Date
3	C. Niedzwiecki	October 2016

79 Hurley Avenue
Kingston, New York 12401

APPENDIX A: BORING LOGS

PARTNER

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		0.0			Boring was overlain by asphalt
2		0.0			
3		0.0			2.0 feet recovery; no odor/staining
4		0.0			
5		0.0		Gray medium pebbles; dry	
6		0.0	N/A		
7		0.0			2.0 feet recovery; no odor/staining
8		0.0			
9		0.0			
10		0.0		Gray medium pebbles; very moist	
11		0.0			
12		0.0			
13	**B1**	0.0	ML	Tan/gray clayey silt; very moist	Soil sample B1 was collected from 12.5 to 13.0 feet bgs at 921 for VOC analysis
14		0.0		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		0.0			Boring was overlain by gravel
2		0.0			
3		0.0			2.0 feet recovery; no odor/staining
4		0.0			
5		0.0			
6		0.0			
7		0.0	N/A	Gray medium pebbles; dry	2.0 feet recovery; no odor/staining
8		0.0			
9		0.0			
10		0.0			
11		0.0			3.0 feet recovery; no odor/staining
12		0.0			
13		0.0			
14	**B2**	0.0			Soil sample B2 was collected from 13.0 to 13.5 feet bgs at 943 for VOC analysis
15		0.0	ML	Tan clayey silt; wet	
		0.0			0.5 feet recovery; no odor/staining
16				Refusal encountered at 15.5 feet bgs	A temporary groundwater sampling point, screened from 5.5 to 15.5 feet bgs was installed in boing B2. Groundwater sample B2-GW was collected at 1109 for VOC and SVOC analysis
17					
18					
19					
20					
21					
22					
23					
24					
25					

Boring Number:	**B3**				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			**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		0.0	N/A	Gray medium pebbles; dry	Boring was overlain by asphalt
2		0.0			
3		0.0			2.0 feet recovery; no odor/staining
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		Gray medium pebbles; very moist	
11		0.0			
12		9.2			
13	**B3**	6.4	CL	Tan clay; moist	Soil sample B3 was collected from 12.0 to 12.5 feet bgs at 1000 for VOC analysis
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		0.0	N/A	Gray medium pebbles; dry	Boring was overlain by gravel
2		0.0			
3		0.0			3.0 feet recovery; no odor/staining
4		0.0			
5		0.0			
6		7.1			
7		7.4			3.0 feet recovery; slight petroleum-like odor from 5.0 to 10.0 feet bgs
8		8.9			
9		6.5			
10		6.1			
11	**B4**	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			
13		34.7			3.0 feet recovery; strong petroleum-like odor from 10.0 to 14.0 feet bgs
14		5.7		Tan/red clay; wet	
15		0.5			
16		0.1			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 boing 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		0.0	SM	Brown sandy silt with concrete and medium pebbles; dry	Boring was overlain by gravel
2		0.0			
3		0.0			3.5 feet recovery; no odor/staining
4		0.0			
5		0.0	CH	Tan clay; moist	
6		0.0			1.75 feet recovery; no odor/staining
7		0.0			
8		0.0			
9		0.0			
10		0.0			
11		0.0			2.0 feet recovery; no odor/staining
12		0.0			
13		0.0			
14		0.0			
15		0.0			
16	**B5**	0.0			Soil sample B5 was collected from 15.5 to 16.0 feet bgs at 1029 for VOC analysis
17		0.0		Tan clay; wet	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		0.0	ML	Gray silt; moist	Boring was overlain by gravel
2		0.0			
3		0.0	SW	Tan medium sand; slightly moist	3.75 feet recovery; no odor/staining
4		0.0			
5		0.0	CH	Tan clay; moist	
6		0.0			
7		0.9			Soil sample B6 was collected from 7.0 to 7.5 feet bgs at 1058 for VOC analysis
8	**B6**	3.2			
9		0.0			3.75 feet recovery; no odor/staining
10		0.0			
11		0.0			
12		0.0			5.0 feet recovery; no odor/staining
13		0.0		Tan clay; wet	
14		0.0			
15		0.0			
16		0.0			3.0 feet recovery; no odor/staining
17		0.0			
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 boing 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					Boring was overlain by concrete
2					3.75 feet recovery; no odor/staining
3					
4	**B7**		ML	Tan clayey silt; dry	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					4.25 feet recovery; no odor/staining
7					
8					
9			CH	Tan clay; moist	
10					
11					2.25 feet recovery; no odor/staining
12					
13				Tan clay; wet	
14					
15					
16				Gray clay; wet	2.5 feet recovery; no odor/staining
17					
18					
19				Tan clay; wet	
20					
21				Boring was terminated at 20.0 feet bgs	A temporary groundwater sampling point, screened from 10.0 to 20.0 feet bgs was installed in boing B7. Groundwater sample B7-GW was collected at 1250 for VOC analysis
22					
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			4.5 feet recovery; no odor/staining
7		0.0			
8		0.0			
9		0.0			
10		0.0			
11		0.0			4.25 feet recovery; no odor/staining
12		0.0	CH	Tan/red clay; slightly moist	
13		0.0			
14		0.0			
15		0.0			
16		0.0			4.5 feet recovery; no odor/staining
17		0.0			
18		0.0		Tan clay; very moist	
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

PARTNER

DELTA Geophysics Inc.

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 1st, 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.

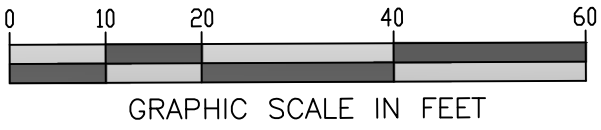
Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to Delta's contract with the Client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

NOTES:

This site plan was produced from data positioned by differential GPS measurments 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 measurments 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 judgements to certain facts with resultant subjective interpretations. Professional judgements expressed herein are based on the facts currently available within the limits of the existing data, scope of work, budget, and schedule.

Reliance or use by any such third party without explicit authorization in the document does not make said third party a third party benificiary to Delta's contract with the client. Any such unauthorized reliance on or use of this document, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this document, are made to any such third party.



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

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

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

APPENDIX C: LABORATORY ANALYTICAL REPORT

PARTNER

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

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).

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

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

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

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
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 **Lab Number:** L1631369
Project Number: 16-159311.2 **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.

Project Name:	THE DAILY FREEMAN	**Lab Number:**	L1631369
Project Number:	16-159311.2	**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 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						
1,3-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 **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						
1,2,4-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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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

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								
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

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								
Methyl cyclohexane	85		83		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
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

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								
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

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								
Tertiary-Amyl Methyl Ether	102		100		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
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

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

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 **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-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

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

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

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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
Project Number: 16-159311.2
Lab Number: L1631369
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
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								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
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

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								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
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

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								
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
Client ID: B8
Sample Location: 79 HURLEY AVENUE, KINGSTON, NY
Matrix: Soil
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	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

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
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
Project Number: 16-159311.2

Lab Number: L1631369
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	**Lab Number:**	L1631369
Project Number:	16-159311.2	**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

Project Name:	THE DAILY FREEMAN	**Lab Number:**	L1631369
Project Number:	16-159311.2	**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	**Lab Number:**	L1631369
Project Number:	16-159311.2	**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.

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: 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, NO2, NO3.
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***

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, SM4500Cl-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

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

EPA Method 5035A
Transfer Log
MAHWAH, NJ

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

Xfer to MAHFREEZER				Collection/Storage Device		Xfer to MOBILE FREEZER		Trip Temperature		Xfer to Laboratory Freezer	
DATE/TIME	INITIALS	CLIENT NAME	SAMPLE IDs	ENCOR(E) or TERRACORE (T)		DATE/TIME	INITIALS	Min (°C)	Max (°C)	DATE/TIME	INITIALS
10/1/16 1655	SAW	Partner	B1	E / (T)		10/3/16 14:32	SAW	16°	19°	[illegible] 2310	TAT
↓	↓	↓	B2	E / (T)		↓	↓				
			B3	E / (T)							
			B4	E / (T)							
			B5	E / (T)							
			B6	E / (T)							
			B7	E / (T)							
↓	↓	↓	B8	E / (T)		↓	↓				
				E / T							
				E / T							
				E / T							
				E / T							
				E / T							
				E / T							
				E / T							
				E / T							
				E / T							
				E / T							
				E / T							
				E / T							
				E / T							

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

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

Page 1 of 2

Date Rec'd in Lab: 10/3/16

ALPHA Job #: L1631369

Project Information

Project Name: The Daily Freeman
Project Location: 79 Hurley Avenue, Kingston, NY 12401
Project # 16-159311.2
(Use Project name as Project #) ☐
Project Manager: Andres Simonson
ALPHAQuote #:

Client Information

Client: Partner Assessment Corp
Address: 611 Industrial Way West
Eatontown, NJ 07724
Phone: 732 380 1700
Fax: 732 380 1701
Email: chledzwiecki@ asimonson@partneresi.com

Turn-Around Time

Standard ☒
Rush (only if pre approved) ☐
Due Date:
# of Days:

Deliverables

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

Regulatory Requirement

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

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	SVOCs 8270	Priority Pollutant Metals 6010/7471					Sample Specific Comments	Total Bottle
31369-01	B1	10/1	921	S	CN	X								
02	B2	↓	943	↓	↓	X								
03	B3	↓	1000	↓	↓	X								
04	B4	↓	1012	↓	↓	X							PID readings	
05	B5	↓	1029	↓	↓	X								
06	B6	↓	1058	↓	↓	X								
07	B7	↓	1229	↓	↓	X	X	X						
08	B8	↓	1241	↓	↓	X	X	X						

	VOCs 8260	SVOCs 8270	Priority Pollutant Metals
Container Type	V	A	A
Preservative	F	A	A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/1 1633	Scott Woelk (AAL)	10/1/16 1633
Scott Woelk	10/3/16 1800	Tom Tarlow	10-3-16 1800
Tom Tarlow	10-3-16 2310	[signature]	10/3/16 2310

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

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

ALPHA — NEW YORK CHAIN OF CUSTODY

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

Page 2 of 2

Date Rec'd in Lab: 10/3/16

ALPHA Job #: L1631369

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Project Information
Project Name: The Daily Freeman
Project Location: 79 Hurley Street, Kingston, NY 12401
Project # 16-159311.2
(Use Project name as Project #) ☐
Project Manager: Andres Simonson
ALPHAQuote #:

Client Information
Client: Partner Assessment Corp
Address: 611 Industrial Way West
Eatontown, NJ 07724
Phone: 732 380 1700
Fax: 732 380 1701
Email: [illegible] asimonson@partneresi.com

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

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

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

Billing Information
☐ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	SVOCs 8270	Sample Specific Comments	Total Bottles
31369-09	B2-GW	10/1	1109	GW	CN	X	X		
10	B4-GW	↓	1117	↓	↓	X	X	sheen	
11	B6-GW	↓	1137	↓	↓	X	X		
12	B7-GW	↓	1250	↓	↓	X			
Container Type						V	A		
Preservative						B	A		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
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K/E = Zn Ac/NaOH
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Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/1 1633	Scott Wolk (AAL)	10/1/16 1633
Scott Wolk	10/3/16 1800	Tom [signature]	10-3-16 1800
Tom [signature]	10-3-16 2311	[signature]	10/3/16 23:10

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