

SPILL CLOSURE REPORT

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79 Hurley Ave
Kingston, NY 12401

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PAC Project Number: 17242956

Prepared for:
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885 Third Ave., 19th Fl
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1. INTRODUCTION

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

1.1. Site Description

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

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

1.2. Project History

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

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

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

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

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

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

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

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

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

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

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

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

1.3. Geology and Hydrogeology

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

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

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

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

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

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

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

2. QUALITY ASSURANCE/QUALITY CONTROL

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

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

3. SITE INVESTIGATION ACTIVITIES

3.1. Phase II

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

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

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

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

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

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

REC 1 – Former Printing Operations

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

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

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

REC 2 – Former Gasoline USTs

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

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

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

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

3.2. Phase III Investigation/Delineation

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

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

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

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

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

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

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

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

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

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

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

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

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

Soils

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

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

Groundwater

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

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

4. VAPOR INTRUSION INVESTIGATION

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

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

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

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

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

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

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

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

5. SPILL/RELEASE REPORTING

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

6. FINDINGS

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

The exceedance of MTBE in groundwater was observed in boring B-11, northwest of boring B4, which was not observed during the Phase II in any of the groundwater samples analyzed. In addition, none of the constituents which were found to exceed the AWQS during the Phase II investigation were found in exceedance of the standard during the subsequent subsurface investigation.

Results indicated that impacts to soil and/or groundwater are isolated to the areas sampled during the Phase II investigation and are not migrating onsite or offsite.

In addition, a vapor intrusion investigation conducted within the warehouse buildings did not indicate that soil vapor contamination exists onsite.

7. CONCLUSIONS AND RECOMMENDATIONS

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

Soil impacts do not exceed the Residential or Commercial SCOs, and no soil source appears to exist onsite. The groundwater impacts appear to be isolated to specific onsite areas and are not migrating onsite or offsite.

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

Therefore, Partner recommends monitored natural attenuation for the groundwater and the closure of spill case #: 1701624 without the Site having to meet the state standards. Partner will be installing two (2) monitoring wells in the former B4 boring location to monitor groundwater. The two (2) new wells as well as onsite MW-11 should be sampled annually until constituent levels in the groundwater have decreased below the AWQS standard.

FIGURES



TWENTY LAKE HOLDING
Block 2, Lot 11

CITY OF KINGSTON,
ULSTER COUNTY, NEW YORK

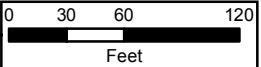
FIGURE 1
SITE LOCATION MAP

Legend

 Site

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

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



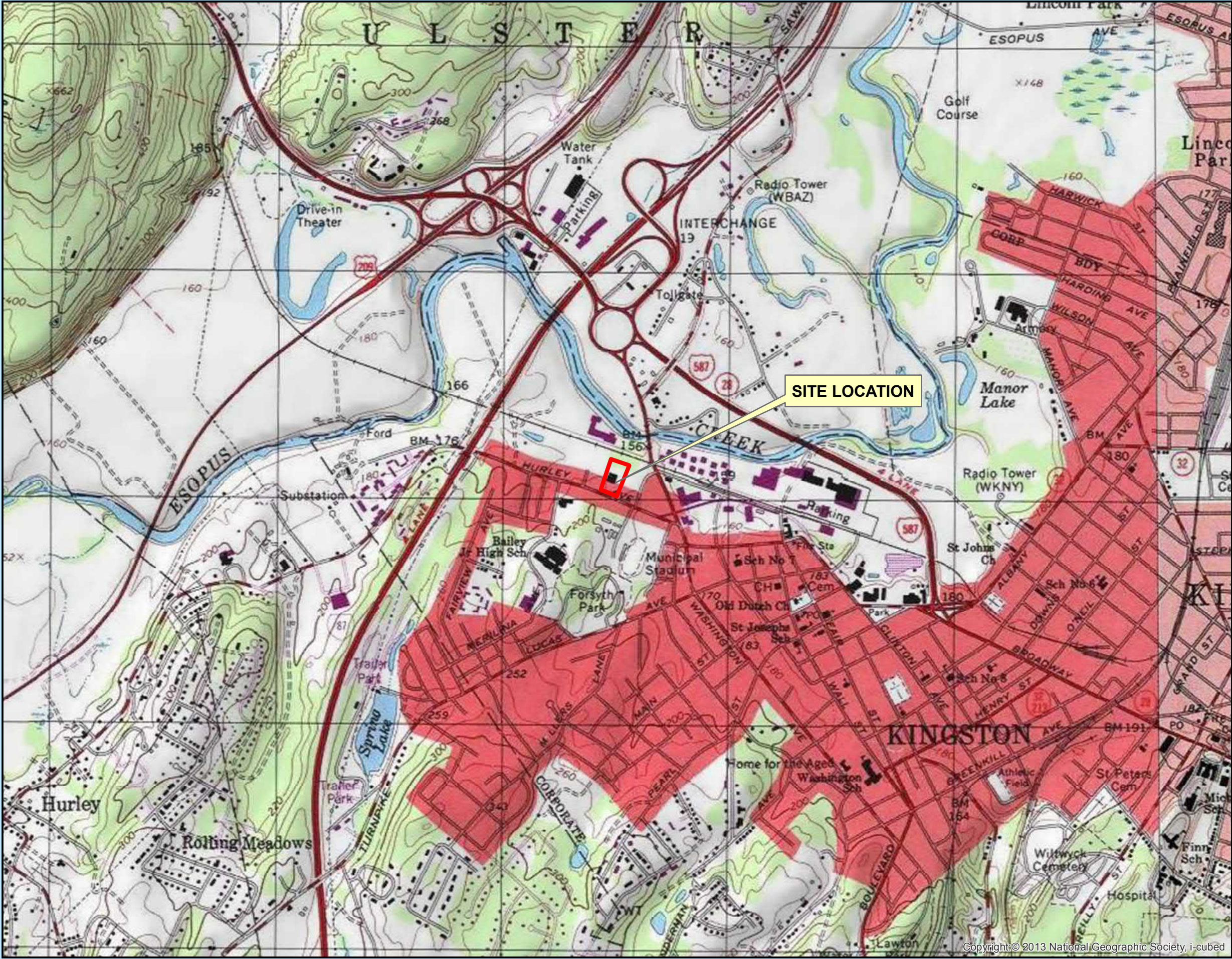
PARTNER
Engineering and Science, Inc.

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

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

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

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



TWENTY LAKE HOLDING
Block 2, Lot 11

CITY OF KINGSTON,
ULSTER COUNTY, NEW YORK

FIGURE 2
TOPOGRAPHIC MAP

Legend

Site

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

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

05001,0002,000

Feet

PARTNER

Engineering and Science, Inc.

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

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

Sources:
NJDEP and NJGIN GIS Data; and
ESRI GIS-Online USA Topo Maps, 2013

DRAWN BY
ALH

SCALE
1in=2,000ft

Job No: 17242956
File Name: 17242956 Fig 2 Topo Map

DATE
05/22/2017

File: \\pac.local\root\Solutions\Jobs\Twenty Lake Holdings\17242956-ENG\GIS\17242956 Fig 2 Topo Map.mxd
User: anasser
Date: 5/22/2017

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Sample Location Map

Kingston, Ulster County, New York

TWENTY LAKE HOLDING
Block 2, Lot 11

**CITY OF KINGSTON,
ULSTER COUNTY, NEW YORK**

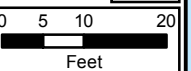
FIGURE 3
SAMPLE LOCATION MAP

Legend

-  Site
-  Monitoring Well
-  Soil Boring (October 2016)
-  Soil Boring (May 1017)
-  Temporary Well Point (Oct 2016)
-  Temporary Well Point (May 2017)
-  Sub Slab Soil-Gas (May 2017)

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

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



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Sources: NJDEP and NJGIN GIS Data

DRAWN BY ALH	
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SCALE
1 in = 23 ft

Job No: 17242956

File Name: 17242956 Fig 3 Sample Location Map

DATE _____

05/22/2017

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

TABLES

Table 1: Soil Results
Daily Freeman
79 Hurley Ave., Kingston, NY

SGS Accutest New Jersey										May 30, 2017 15:13 pm									
Job Numbers:		JC43253-JC43407																	
Account:		Partner Engineering & Science																	
Project:		79 Hurley Avenue, Kingston, NY																	
Project Number:		1742956-EN																	
Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).																			
		Legend: HI Exceed																	
Client Sample ID:	NY TOGS Class GA GW Standards (NYSDEC 6/2004) ¹	NY SCO - Unrestricted Use (6 NYCRR	NY SCO - Commercial w/CP-51 (10/10)	NY SCO - Protection of Groundwater	B-9	B-10	B-11	B-12	B-12A	B-13	B-14	B-15							
Lab Sample ID:		375-6 12/06	(6 NYCRR 375-6	w/CP-51 (10/10)	JC43253-1	JC43253-2	JC43253-3	JC43253-4	JC43253-5	JC43253-6	JC43407-1	JC43407-2							
Date Sampled:			12/06	(6 NYCRR 375-6	5/12/2017	5/12/2017	5/12/2017	5/12/2017	5/12/2017	5/12/2017	5/15/2017	5/15/2017							
Matrix:				12/06)	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil							
GCMS Volatiles (SW846 8260C)																			
Acetone	mg/kg	-	0.05	500	0.05	0.0107	0.0069 J	ND (0.011)	0.0077 J	0.0939	ND (0.011)	ND (0.010)	0.0224						
Benzene	mg/kg	-	0.06	44	0.06	ND (0.0049)	ND (0.0046)	ND (0.0055)	0.0011	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)						
Bromochloromethane	mg/kg	-	-	-	-	ND (0.0048)	ND (0.0046)	ND (0.0055)	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)							
Bromodichloromethane	mg/kg	-	-	-	-	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
Bromoforn	mg/kg	-	-	-	-	ND (0.0048)	ND (0.0046)	ND (0.0055)	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)							
Bromomethane	mg/kg	-	-	-	-	ND (0.0048)	ND (0.0046)	ND (0.0055)	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)							
2-Butanone (MEK)	mg/kg	-	0.12	500	0.3	ND (0.0096)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0098)							
Carbon disulfide	mg/kg	-	-	-	2.7	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
Carbon tetrachloride	mg/kg	-	0.76	22	0.76	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
Chlorobenzene	mg/kg	-	1.1	500	1.1	ND (0.0019)	ND (0.0018)	ND (0.0022)	0.00028 J	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
Chloroethane	mg/kg	-	-	-	1.9	ND (0.0048)	ND (0.0046)	ND (0.0055)	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)							
Chloroform	mg/kg	-	0.37	350	0.37	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
Chloromethane	mg/kg	-	-	-	-	ND (0.0048)	ND (0.0046)	ND (0.0055)	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)							
Cyclohexane	mg/kg	-	-	-	-	ND (0.0019)	ND (0.0018)	ND (0.0022)	0.0026	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
1,2-Dibromo-3-chloropropane	mg/kg	-	-	-	-	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
Dibromochloromethane	mg/kg	-	-	-	-	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
1,2-Dibromoethane	mg/kg	-	-	-	-	ND (0.0096)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0098)							
1,2-Dichlorobenzene	mg/kg	-	1.1	500	1.1	ND (0.0096)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0098)							
1,3-Dichlorobenzene	mg/kg	-	2.4	280	2.4	ND (0.0096)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0098)							
1,4-Dichlorobenzene	mg/kg	-	1.8	130	1.8	ND (0.0096)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0098)							
Dichlorodifluoromethane	mg/kg	-	-	-	-	ND (0.0048)	ND (0.0046)	ND (0.0055)	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)							
1,1-Dichloroethane	mg/kg	-	0.27	240	0.27	ND (0.0096)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0098)							
1,2-Dichloroethane	mg/kg	-	0.02	30	0.02	ND (0.0096)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0098)							
1,1-Dichloroethene	mg/kg	-	0.33	500	0.33	ND (0.0096)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0098)							
cis-1,2-Dichloroethene	mg/kg	-	0.25	500	0.25	ND (0.0096)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0098)							
trans-1,2-Dichloroethene	mg/kg	-	0.19	500	0.19	ND (0.0096)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0098)							
1,2-Dichloropropene	mg/kg	-	-	-	-	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
cis-1,3-Dichloropropene	mg/kg	-	-	-	-	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
trans-1,3-Dichloropropene	mg/kg	-	-	-	-	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
Ethylbenzene	mg/kg	-	1	390	1	ND (0.0096)	ND (0.0092)	ND (0.011)	0.0095	ND (0.011)	ND (0.010)	ND (0.0098)							
Freon 113	mg/kg	-	-	-	6	ND (0.0048)	ND (0.0046)	ND (0.0055)	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)							
2-Hexanone	mg/kg	-	-	-	-	ND (0.0048)	ND (0.0046)	ND (0.0055)	0.0149	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)						
Isopropylbenzene	mg/kg	-	-	-	2.3	ND (0.0019)	0.00019 J	ND (0.0022)	0.0024	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
Methyl Acetate	mg/kg	-	-	-	-	ND (0.0048)	ND (0.0046)	ND (0.0055)	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)							
Methylcyclohexane	mg/kg	-	-	-	-	ND (0.0019)	ND (0.0018)	ND (0.0022)	0.0052	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
Methyl Tert Butyl Ether	mg/kg	-	0.93	500	0.93	ND (0.0096)	0.00031 J	0.793	ND (0.011)	0.00089 J	ND (0.011)	ND (0.010)	ND (0.0098)						
4-Methyl-2-pentanone(MBK)	mg/kg	-	-	-	1	ND (0.0048)	ND (0.0046)	ND (0.0055)	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)							
Methylene chloride	mg/kg	-	0.05	500	0.05	ND (0.0048)	ND (0.0046)	ND (0.0055)	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)							
Styrene	mg/kg	-	-	-	-	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
1,1,2,2-Tetrachloroethane	mg/kg	-	-	-	0.6	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
Tetrachloroethene	mg/kg	-	1.3	150	1.3	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
Toluene	mg/kg	-	0.7	500	0.7	ND (0.0096)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0098)							
1,2,3-Trichlorobenzene	mg/kg	-	-	-	-	ND (0.0048)	ND (0.0046)	ND (0.0055)	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)							
1,2,4-Trichlorobenzene	mg/kg	-	-	-	3.4	ND (0.0048)	ND (0.0046)	ND (0.0055)	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)							
1,1,1-Trichloroethane	mg/kg	-	0.68	500	0.68	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
1,1,2-Trichloroethane	mg/kg	-	-	-	-	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
Trichloroethene	mg/kg	-	0.47	200	0.47	ND (0.0096)	ND (0.0092)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0098)							
Trichlorofluoromethane	mg/kg	-	-	-	-	ND (0.0048)	ND (0.0046)	ND (0.0055)	ND (0.0056)	ND (0.0054)	ND (0.0051)	ND (0.0049)							
Vinyl chloride	mg/kg	-	0.02	13	0.02	ND (0.0019)	ND (0.0018)	ND (0.0022)	ND (0.0022)	ND (0.0022)	ND (0.0021)	ND (0.0020)	ND (0.0020)						
m,p-Xylene	mg/kg	-	0.26	500	1.6	0.00043 J	ND (0.00092)	0.00044 J	0.0033	0.00046 J	0.00034 J	ND (0.0010)	ND (0.00098)						
o-Xylene	mg/kg	-	0.26	500	1.6	ND (0.0096)	ND (0.0092)	ND (0.011)	0.00054 J	ND (0.011)	ND (0.010)	ND (0.0098)							
Xylene (total)	mg/kg	-	0.26	500	1.6	0.00043 J	ND (0.00092)	0.00044 J	0.0033	0.00046 J	0.00034 J	ND (0.0010)	ND (0.00098)						
Total (SW846 8260C)	mg/kg	-	-	-	-	0.01113	0.0074	0.79344	0.04888	0.09525	0.00034	0	0.0224						
GCMS Volatile TIC																			
Total TIC, Volatile	mg/kg	-	-	-	-	0	0	0	1.06 J	0.031 J	0	0	0						

Table 1: Soil Results
Daily Freeman
79 Hurley Ave., Kingston, NY

GC/MS Semi-volatiles (SW846 8270D)														
2-Chlorophenol	mg/kg	-	-	-	-	-	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
4-Chloro-3-methyl phenol	mg/kg	-	-	-	-	-	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
2,4-Dichlorophenol	mg/kg	-	-	-	-	0.4	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
2,4-Dimethylphenol	mg/kg	-	-	-	-	-	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
2,4-Dinitrophenol	mg/kg	-	-	-	-	0.2	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
4,6-Dinitro-o-cresol	mg/kg	-	-	-	-	-	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
2-Methylphenol	mg/kg	-	0.33	500	-	0.33	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
3&4-Methylphenol	mg/kg	-	-	-	-	-	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
2-Nitrophenol	mg/kg	-	-	-	-	0.3	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
4-Nitrophenol	mg/kg	-	-	-	-	0.1	ND (0.40)	ND (0.41)	-	ND (0.45)	-	ND (0.43)	ND (0.40)	ND (0.40)
Pentachlorophenol	mg/kg	-	0.8	6.7	-	0.8	ND (0.16)	ND (0.16)	-	ND (0.19)	-	ND (0.17)	ND (0.16)	ND (0.16)
Phenol	mg/kg	-	0.33	500	-	0.33	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
2,3,4,6-Tetrachlorophenol	mg/kg	-	-	-	-	-	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
2,4,5-Trichlorophenol	mg/kg	-	-	-	-	0.1	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
2,4,6-Trichlorophenol	mg/kg	-	-	-	-	-	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
Acetanaphthene	mg/kg	-	20	500	-	98	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
Acetanaphthene	mg/kg	-	100	500	-	107	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
Acetophenone	mg/kg	-	-	-	-	-	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
Anthracene	mg/kg	-	100	500	-	1000	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
Atrazine	mg/kg	-	-	-	-	-	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
Benzo(a)anthracene	mg/kg	-	1	5.6	-	6.1	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
Benzo(a)pyrene	mg/kg	-	-	-	-	22	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
Benzo(b)fluoranthene	mg/kg	-	-	-	-	1.7	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
Benzo(g,h,i)perylene	mg/kg	-	100	500	-	1000	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
Benzo(k)fluoranthene	mg/kg	-	0.8	56	-	1.7	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
4-Bromophenyl phenyl ether	mg/kg	-	-	-	-	-	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
Buyl benzyl phthalate	mg/kg	-	-	-	-	122	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
1,1'-Biphenyl	mg/kg	-	-	-	-	-	ND (0.081)	ND (0.081)	-	0.0182	-	ND (0.085)	ND (0.081)	ND (0.080)
Benzaldehyde	mg/kg	-	-	-	-	-	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
2-Chloronaphthalene	mg/kg	-	-	-	-	-	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
4-Chloroaniline	mg/kg	-	-	-	-	0.22	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
Carbazole	mg/kg	-	-	-	-	-	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
Caproic acid	mg/kg	-	-	-	-	-	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
Chrysene	mg/kg	-	1	56	-	1	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
bis(2-Chloroethoxy)methane	mg/kg	-	-	-	-	-	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
bis(2-Chloroethyl)ether	mg/kg	-	-	-	-	-	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
bis(2-Chloroisopropyl)ether	mg/kg	-	-	-	-	-	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
4-Chlorophenyl phenyl ether	mg/kg	-	-	-	-	-	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
2,4-Dinitrotoluene	mg/kg	-	-	-	-	-	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
2,6-Dinitrotoluene	mg/kg	-	-	-	-	1	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
3,3'-Dichlorobenzidine	mg/kg	-	-	-	-	-	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
1,4-Dioxane	mg/kg	-	0.1	130	-	0.1	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
Dibenz(a,h)anthracene	mg/kg	-	0.33	0.56	-	1000	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
Dibenzofuran	mg/kg	-	7	350	-	6.2	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
Di-n-butyl phthalate	mg/kg	-	-	-	-	8.1	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
Di-n-octyl phthalate	mg/kg	-	-	-	-	120	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
Diethyl phthalate	mg/kg	-	-	-	-	7.1	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
Dimethyl phthalate	mg/kg	-	-	-	-	27	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	-	-	436	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
Fluoranthene	mg/kg	-	100	500	-	1000	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
Fluorene	mg/kg	-	30	500	-	386	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
Hexachlorobenzene	mg/kg	-	0.33	6	-	1.4	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
Hexachlorobutadiene	mg/kg	-	-	-	-	-	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
Hexachlorocyclopentadiene	mg/kg	-	-	-	-	-	ND (0.40)	ND (0.41)	-	ND (0.45)	-	ND (0.43)	ND (0.40)	ND (0.40)
Hexachloroethane	mg/kg	-	-	-	-	-	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
Indeno(1,2,3-cd)pyrene	mg/kg	-	0.5	5.6	-	8.2	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
Isophorone	mg/kg	-	-	-	-	4.4	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
2-Methylnaphthalene	mg/kg	-	-	-	-	36.4	ND (0.081)	ND (0.081)	-	0.926	-	ND (0.085)	ND (0.081)	ND (0.080)
2-Nitroaniline	mg/kg	-	-	-	-	0.4	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
3-Nitroaniline	mg/kg	-	-	-	-	0.5	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
2-Nitroaniline	mg/kg	-	-	-	-	-	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
Naphthalene	mg/kg	-	12	500	-	12	ND (0.040)	ND (0.041)	-	0.249	-	ND (0.043)	ND (0.040)	ND (0.040)
Nitrobenzene	mg/kg	-	69	-	-	0.17	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
N-Nitroso-di-n-propylamine	mg/kg	-	-	-	-	-	ND (0.081)	ND (0.081)	-	ND (0.090)	-	ND (0.085)	ND (0.081)	ND (0.080)
N-Nitrosodiphenylamine	mg/kg	-	-	-	-	-	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
Phenanthrene	mg/kg	-	100	500	-	1000	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
Pyrene	mg/kg	-	100	500	-	1000	ND (0.040)	ND (0.041)	-	ND (0.045)	-	ND (0.043)	ND (0.040)	ND (0.040)
1,2,4,5-Tetrachlorobenzene	mg/kg	-	-	-	-	-	ND (0.20)	ND (0.20)	-	ND (0.23)	-	ND (0.21)	ND (0.20)	ND (0.20)
Total (SW846 8270D)	mg/kg	-	-	-	-	-	0	0	-	1.1932	-	0	0	0
GC/MS Semi-volatile TIC														
Total TIC, Semi-Volatile	mg/kg	-	-	-	-	-	0.683	0	-	27.413	-	0	1.543	0.233
General Chemistry														
Solids, Percent	%	-	-	-	-	-	81.5	81.2	-	73.5	-	77.6	79.1	81.3
Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. SGS Accutest assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.														
2 results exceeded regulatory criteria.														
NOTE: The above contain the following criteria that must be evaluated manually by the user:														
Sum of Aldicarb and Methomyl at 0.35 ug/l.														
Sum of Iron and Manganese at 500 ug/l.														
Sum of Parathion and Methyl parathion at 1.5 ug/l.														
Sum of Phenolic compounds (total phenols) at 1 ug/l.														
Sum of Phenols, total chlorinated at 1 ug/l.														
Sum of Phenols, total unchlorinated at 1 ug/l.														
Principal organic contaminant at 5 ug/l defined as "any and every individual substance, whether listed in this Table or not, that is in one of the principal organic contaminant classes														

Table 2: Groundwater Results
Daily Freeman
79 Hurley Ave., Kingston, NY

SGS Accutest New Jersey											May 30, 2017 15:13 pm			
Job Numbers:		JC43253-JC43407												
Account:		Partner Engineering & Science												
Project:		79 Hurley Avenue, Kingston, NY												
Project Number:		17242956-EN												
Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).											Legend:		Hit	Exceed
Client Sample ID:		NY TOGS Class	NY SCO -	NY SCO -	NY SCO -	B-9GW	B-10GW	B-11GW	B-13GW	TB	B-14 GW	B-15 GW	MW-1	
		GA GW Standards (NYSDEC 6/2004) ¹	Unrestricted Use (6 NYCRR	Commercial w/CP-51 (10/10)	Protection of Groundwater									
Lab Sample ID:			375-6 12/06)	(6 NYCRR 375-6	w/CP-51 (10/10)	JC43253-7	JC43253-8	JC43253-9	JC43253-10	JC43253-11	JC43407-3	JC43407-4	JC43407-5	
Date Sampled:				12/06)	(6 NYCRR 375-6	5/12/2017	5/12/2017	5/12/2017	5/12/2017	5/12/2017	5/15/2017	5/15/2017	5/15/2017	
Matrix:					12/06)	Ground Water	Ground Water	Ground Water	Ground Water	Trip Blank Water	Ground Water	Ground Water	Ground Water	
GC/MS Volatiles (SW846 8260C)														
Acetone	ug/l	-	-	-	-	ND (10)	5.6 J	ND (25)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	
Benzene	ug/l	1	-	-	-	ND (0.50)	ND (0.50)	0.48 J	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	
Bromochloromethane	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Bromodichloromethane	ug/l	-	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Bromoform	ug/l	-	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Bromomethane	ug/l	-	-	-	-	ND (2.0)	ND (2.0)	ND (5.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	
2-Butanone (MEK)	ug/l	60	-	-	-	ND (1.0)	ND (2.0)	ND (25)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	
Carbon disulfide	ug/l	5	-	-	-	ND (2.0)	ND (2.0)	ND (5.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	
Carbon tetrachloride	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Chlorobenzene	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Chloroethane	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Chloroform	ug/l	7	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Chloromethane	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Cyclohexane	ug/l	-	-	-	-	ND (5.0)	ND (5.0)	ND (13)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	
1,2-Dibromo-3-chloropropane	ug/l	0.04	-	-	-	ND (2.0)	ND (2.0)	ND (5.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	
Dibromochloromethane	ug/l	-	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
1,2-Dibromoethane	ug/l	0.0006	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
1,2-Dichlorobenzene	ug/l	3	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
1,3-Dichlorobenzene	ug/l	3	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
1,4-Dichlorobenzene	ug/l	3	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Dichlorodifluoromethane	ug/l	5	-	-	-	ND (2.0)	ND (2.0)	ND (5.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	
1,1-Dichloroethane	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
1,2-Dichloroethane	ug/l	0.6	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
1,1-Dichloroethene	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
cis-1,2-Dichloroethene	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	0.38 J	0.57 J	ND (1.0)	
trans-1,2-Dichloroethene	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
1,2-Dichloropropane	ug/l	1	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
cis-1,3-Dichloropropene	ug/l	-	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
trans-1,3-Dichloropropene	ug/l	-	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Ethylbenzene	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Freon 113	ug/l	5	-	-	-	ND (5.0)	ND (5.0)	ND (13)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	
2-Hexanone	ug/l	-	-	-	-	ND (5.0)	ND (5.0)	ND (13)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	
Isopropylbenzene	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Methyl Acetate	ug/l	-	-	-	-	ND (5.0)	ND (5.0)	ND (13)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	
Methylcyclohexane	ug/l	-	-	-	-	ND (5.0)	ND (5.0)	ND (13)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	
Methyl Tert Butyl Ether	ug/l	10	-	-	-	ND (1.0)	2.1	1270	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.51 J	
4-Methyl-2-pentanone(MIBK)	ug/l	-	-	-	-	ND (5.0)	ND (5.0)	ND (13)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	
Methylene chloride	ug/l	5	-	-	-	ND (2.0)	ND (2.0)	ND (5.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	
Styrene	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
1,1,2,2-Tetrachloroethane	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Tetrachloroethene	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Toluene	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
1,2,3-Trichlorobenzene	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
1,2,4-Trichlorobenzene	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
1,1,1-Trichloroethane	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
1,1,2-Trichloroethane	ug/l	1	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Trichloroethene	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Trichlorofluoromethane	ug/l	5	-	-	-	ND (2.0)	ND (2.0)	ND (5.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	
Vinyl chloride	ug/l	2	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
m,p-Xylene	ug/l	-	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
o-Xylene	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Xylene (total)	ug/l	5	-	-	-	ND (1.0)	ND (1.0)	ND (2.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	
Total (SW846 8260C)	ug/l	-	-	-	-	0	7.7	1270.48	0	0	0.38	0.57	0.51	
GC/MS Volatile TIC														
Total TIC, Volatile	ug/l	-	-	-	-	0	0	0	0	0	0	0	0	

Table 2: Groundwater Results
Daily Freeman
79 Hurley Ave., Kingston, NY

GC/MS Semi-volatiles (SW846 8270D)												
2-Chlorophenol	ug/l	-	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
4-Chloro-3-methyl phenol	ug/l	-	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
2,4-Dichlorophenol	ug/l	1	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
2,4-Dimethylphenol	ug/l	1	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
2,4-Dinitrophenol	ug/l	1	-	-	-	ND (9.6)	ND (9.6)	ND (10)	ND (9.5)	-	ND (10)	ND (10)
4,6-Dinitro-o-cresol	ug/l	-	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
2-Methylphenol	ug/l	-	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
3&4-Methylphenol	ug/l	-	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
2-Nitrophenol	ug/l	-	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
4-Nitrophenol	ug/l	-	-	-	-	ND (9.6)	ND (9.6)	ND (10)	ND (9.5)	-	ND (10)	ND (10)
Pentachlorophenol	ug/l	1	-	-	-	ND (3.8)	ND (3.8)	ND (4.0)	ND (3.8)	-	ND (4.0)	ND (4.0)
Phenol	ug/l	1	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
2,3,4,6-Tetrachlorophenol	ug/l	-	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
2,4,5-Trichlorophenol	ug/l	-	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
2,4,6-Trichlorophenol	ug/l	-	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
Acenaphthene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Acenaphthylene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Acetophenone	ug/l	-	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
Anthracene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Atrazine	ug/l	7.5	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
Benzaldehyde	ug/l	-	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
Benzo(a)anthracene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Benzo(a)pyrene	ug/l	ND	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Benzo(b)fluoranthene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Benzo(g,h,i)perylene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Benzo(k)fluoranthene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
4-Bromophenyl phenyl ether	ug/l	-	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
Butyl benzyl phthalate	ug/l	-	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
1,1'-Biphenyl	ug/l	5	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
2-Chloronaphthalene	ug/l	-	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
4-Chloroaniline	ug/l	5	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
Carbazole	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Caprolactam	ug/l	-	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
Chrysene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
bis(2-Chloroethoxy)methane	ug/l	5	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
bis(2-Chloroethoxy)ether	ug/l	1	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
bis(2-Chloroisopropoxy)ether	ug/l	5	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
4-Chlorophenyl phenyl ether	ug/l	-	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
2,4-Dinitrotoluene	ug/l	5	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
2,6-Dinitrotoluene	ug/l	5	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
3,3'-Dichlorobenzidine	ug/l	5	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
1,4-Dioxane	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Dibenzo(a,h)anthracene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Dibenzofuran	ug/l	-	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
Di-n-butyl phthalate	ug/l	50	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
Di-n-octyl phthalate	ug/l	-	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
Diethyl phthalate	ug/l	-	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
Dimethyl phthalate	ug/l	-	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
bis(2-Ethylhexyl)phthalate	ug/l	5	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
Fluoranthene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Fluorene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Hexachlorobenzene	ug/l	0.04	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Hexachlorobutadiene	ug/l	0.5	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Hexachlorocyclopentadiene	ug/l	5	-	-	-	ND (9.6)	ND (9.6)	ND (10)	ND (9.5)	-	ND (10)	ND (10)
Hexachloroethane	ug/l	5	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
Indeno(1,2,3-cd)pyrene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Isophorone	ug/l	-	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
2-Methylnaphthalene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
2-Nitroaniline	ug/l	5	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
3-Nitroaniline	ug/l	5	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
4-Nitroaniline	ug/l	5	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
Naphthalene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Nitrobenzene	ug/l	0.4	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
N-Nitroso-di-n-propylamine	ug/l	-	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
N-Nitrosodiphenylamine	ug/l	-	-	-	-	ND (4.8)	ND (4.8)	ND (5.0)	ND (4.8)	-	ND (5.0)	ND (5.0)
Phenanthrene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
Pyrene	ug/l	-	-	-	-	ND (0.96)	ND (0.96)	ND (1.0)	ND (0.95)	-	ND (1.0)	ND (1.0)
1,2,4,5-Tetrachlorobenzene	ug/l	5	-	-	-	ND (1.9)	ND (1.9)	ND (2.0)	ND (1.9)	-	ND (2.0)	ND (2.0)
Total (SW846 8270D)	ug/l	-	-	-	-	0	0	0	0	-	0	0

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

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

Notes:

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

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

12500 = Exceeds Residential VISL Concentrations but not Commercial

RL exceeds standard

RL = Laboratory Reporting Limit

NA = Not Applicable

ND = Non Detect

Appendix A:
BORING LOGS

Boring Number:		B-9			Page 1 of 1	
Location:					Date Started:	5/12/2017
Site Address:		79 Hurley Avenue			Date Completed:	5/12/2017
		Kingston, New York 12401			Depth to Groundwater:	10.0 ft. bgs
Project Number:		17242956-EN			Field Technician:	AH
Drill Rig Type:		7822 DT track-mounted GeoProbe			Partner Engineering and Science, Inc.	
Sampling Equipment:		5 ft. Marco-Core			611 Industrial Way West	
Borehole Diameter:		2 inches			Eatontown, NJ 07724	
Depth	Sample	PID	USCS	Description	Notes	
1	B-9	N/A	N/A	Hand-cleared to 5.0 ft. bgs	Boring overlain by asphalt	
2					N/A	
3						
4						
5						
6		0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	ML	Brown clayey silt; slightly moist		4.0 ft. recovery; no odors or staining observed
7						
8						
9						
10					Soil sample B-9 was collected at 9.5-10.0 ft. bgs	
11					Brown clayey silt; wet	5.0 ft. recovery; no odors or staining observed
12						
13						
14						
15						
16	CL	Brown silty clay; wet				
17						
18						
19						
20						
21				Boring terminated at 15.0 ft. bgs	Boring B-9 was converted into a temporary well point and screened from 5.0-15.0 ft. bgs	
22						
23						
24						
25						

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

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

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

Boring Number:		B-13			Page 1 of 1	
Location:					Date Started:	5/12/2017
Site Address:		79 Hurley Avenue			Date Completed:	5/12/2017
		Kingston, New York 12401			Depth to Groundwater:	15.0 ft. bgs
Project Number:		17242956-EN			Field Technician:	AH
Drill Rig Type:		7822 DT track-mounted GeoProbe			Partner Engineering and Science, Inc.	
Sampling Equipment:		5 ft. Marco-Core			611 Industrial Way West	
Borehole Diameter:		2 inches			Eatontown, NJ 07724	
Depth	Sample	PID	USCS	Description	Notes	
1	B-13	N/A	N/A	Hand-cleared to 5.0 ft. bgs	Boring overlain by asphalt	
2					N/A	
3						
4						
5						
6		CL	Brown silty clay; slightly moist	3.5 ft. recovery; no odors or staining observed		
7						
8						
9						
10						
11						
12						
13						
14						
15						
16			Light brown clay; slightly moist	4.5 ft. recovery; no odors or staining observed		
17						
18						
19						
20						
21	Brown silty clay; moist	Soil sample B-13 was collected at 14.5-15.0 ft. bgs				
22						
23						
24						
25						
26	Brown silty clay; wet	5.0 ft. recovery; no odors or staining observed				
27						
28						
29						
30						
31	Boring terminated at 20.0 ft. bgs			Boring B-13 was converted into a temporary well point and screened from 10.0-20.0 ft. bgs		
32						
33						
34						
35						

Boring Number:		B-14			Page 1 of 1	
Location:					Date Started:	5/15/2017
Site Address:		79 Hurley Avenue			Date Completed:	5/15/2017
		Kingston, New York 12401			Depth to Groundwater:	15.0 ft. bgs
Project Number:		17242956-EN			Field Technician:	AH
Drill Rig Type:		6620 DT track-mounted GeoProbe			Partner Engineering and Science, Inc.	
Sampling Equipment:		5 ft. Marco-Core			611 Industrial Way West	
Borehole Diameter:		2 inches			Eatontown, NJ 07724	
Depth	Sample	PID	USCS	Description	Notes	
1	B-14	N/A	N/A	Hand-cleared to 5.0 ft. bgs	Boring overlain by concrete (8-10 in slab)	
2					N/A	
3						
4						
5						
6		ML	Brown silt with minor clay; slightly moist	4.5 ft. recovery; no odors or staining observed		
7						
8						
9						
10						
11				CL	Brown/tan clay; dry	5.0 ft. recovery; no odors or staining observed
12						
13						
14						
15						
16		CL	Brown dense clay; wet	5.0 ft. recovery; no odors or staining observed		
17						
18						
19						
20			Refusal at 18.5 ft. bgs on limestone (bedrock)	Boring B-14 was converted into a temporary well point and screened from 13.5-18.5 ft. bgs		
21						
22						
23						
24						
25						

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

Appendix B:
PHASE II ESA



PHASE II SUBSURFACE INVESTIGATION REPORT

The Daily Freeman
79 Hurley Avenue
Kingston, New York 12401

October 14, 2016
Partner Project Number: 16-162670.6

Prepared for:
Twenty Lake Holdings
885 Third Avenue, Suite 1940
New York, New York 10022



Engineers who understand your business

October 14, 2016

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

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

Dear Mr. Robdau:

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

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

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

Sincerely,

Partner Assessment Corporation



Chris Niedzwiecki
Project Scientist



Andres Simonson
Regional Manager – Subsurface Investigation



Summer D. Gell
Relationship Manager

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ATTACHMENTS

Tables	1. Summary of Investigation Scope
	2. Soil Sample Laboratory Results Summary
	3. Groundwater Sample Laboratory Results Summary
Figures	1. Site Vicinity Map
	2. Topographic Map
	3. Sample Location Map
Appendices	A. Boring Logs
	B. Geophysical Survey Report and Map
	C. Laboratory Analytical Report

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
NEphtalene	12	12	100	500	1000	< 0.0046	< 0.0046	0.079	1.9 J	0.00061 J	< 0.0044	< 0.0044	< 0.0042
o-Xylene	NE	NE	NE	NE	NE	< 0.0018	< 0.0018	0.00081 J	0.54 J	< 0.0019	< 0.0018	< 0.0018	< 0.0017
p-Diethylbenzene	NE	NE	NE	NE	NE	< 0.0037	< 0.0037	0.0054	3 J	< 0.0037	< 0.0035	< 0.0035	< 0.0034
p-Ethyltoluene	NE	NE	NE	NE	NE	< 0.0037	< 0.0037	0.017	6.2	< 0.0037	< 0.0035	< 0.0035	< 0.0034
p-Isopropyltoluene	NE	10	NE	NE	NE	< 0.00093	< 0.00093	0.00099	0.45 J	< 0.00093	< 0.00088	< 0.00088	< 0.00084
p/m-Xylene	NE	NE	NE	NE	NE	< 0.0018	< 0.0018	0.0099	4.8	< 0.0019	< 0.0018	< 0.0018	< 0.0017
sec-Butylbenzene	11	11	100	500	1000	< 0.00093	< 0.00093	0.0024	0.57 J	< 0.00093	< 0.00088	< 0.00088	< 0.00084
tert-Butylbenzene	5.9	5.9	100	500	1000	< 0.0046	< 0.0046	< 0.005	< 7	< 0.0047	< 0.0044	< 0.0044	< 0.0042
Tetrachloroethene	1.3	1.3	5.5	150	300	< 0.00093	< 0.00093	< 0.00099	< 1.4	< 0.00093	< 0.00088	< 0.00088	< 0.00084
Toluene	0.7	0.7	100	500	1000	< 0.0014	< 0.0014	0.00019 J	0.4 J	< 0.0014	< 0.0013	< 0.0013	< 0.0013
trans-1,2-Dichloroethene	0.19	0.19	100	500	1000	< 0.0014	< 0.0014	< 0.0015	< 2.1	< 0.0014	< 0.0013	< 0.0013	< 0.0013
Trichloroethene	0.47	0.47	10	200	400	< 0.00093	< 0.00093	< 0.00099	< 1.4	< 0.00093	< 0.00088	< 0.00088	< 0.00084
Vinyl chloride	0.02	0.02	0.21	13	27	< 0.0018	< 0.0018	< 0.002	< 2.8	< 0.0019	< 0.0018	< 0.0018	< 0.0017
Xylenes, Total	0.26	1.6	100	500	1000	< 0.0018	< 0.0018	0.011 J	5.3 J	< 0.0019	< 0.0018	< 0.0018	< 0.0017

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

Analyte	NY-UNRES	NY-RESGW	NY-RESR	NY-RESC	NY-RESI	B1	B2	B3	B4	B5	B6	B7	B8
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
<i>VOCs via EPA Method 8260 (µg/l)</i>					
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

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

< = not detected above indicated laboratory Reporting Limit (RL)

J = detected below laboratory PQLs

NE = not established

Values in **bold** exceed AWQS

RL exceeds AWQS

FIGURES

PARTNER



PARTNER

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

Project Number: 16-162670.6



Subject Site

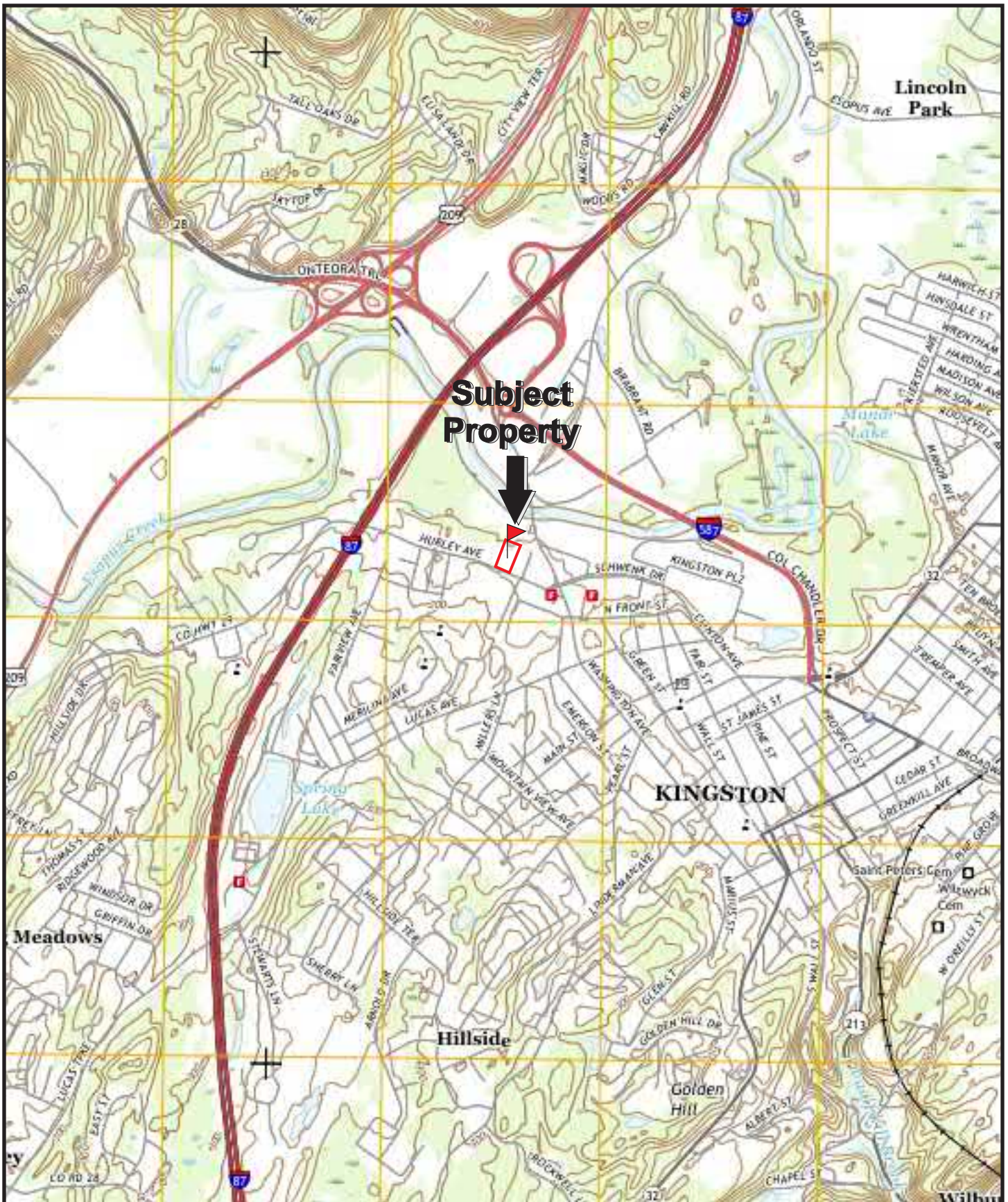
Legend



Site Vicinity Map

Figure	Prepared By	Date
1	C. Niedzwiecki	October 2016

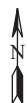
79 Hurley Avenue
Kingston, New York 12401



PARTNER

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

Project Number: 16-162670.6

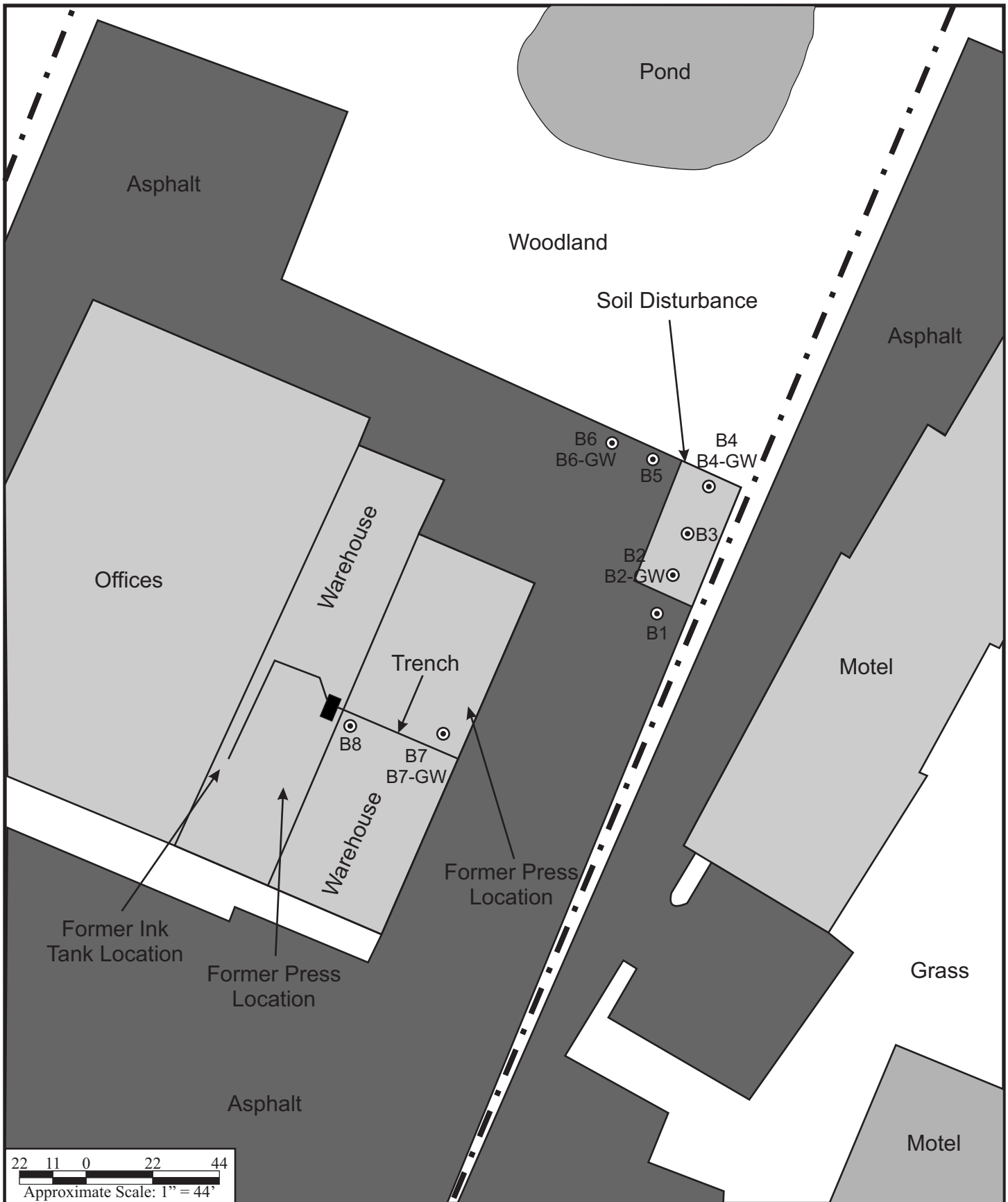


USGS Kingston West, New York Quadrangle
Version: 2016

Topographic Map

Figure	Prepared By	Date
2	C. Niedzwiecki	October 2016

79 Hurley Avenue
Kingston, New York 12401



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

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

Legend

- 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

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

Boring Number:		B2			Page 1 of 1	
Location:		Southern portion of the excavation			Date Started:	10/1/2016
Site Address:		79 Hurley Avenue			Date Completed:	10/1/2016
		Kingston, New York 12401			Depth to Groundwater:	13.5
Project Number:		16-162670.6			Field Technician:	Chris Niedzwiecki
Drill Rig Type:		AMS Powerprobe 9500 VTR			Partner Assessment Corporation	
Sampling Equipment:		5.0 foot MacroCore			10 Mountain View Road, Suite 218 North	
Borehole Diameter:		2.25 inch			Upper Saddle River, New Jersey 07458	
Depth	Sample	PID	USCS	Description	Notes	
1	B2	0.0	N/A	Gray medium pebbles; dry	Boring was overlain by gravel	
2		0.0			2.0 feet recovery; no odor/staining	
3		0.0				
4		0.0				
5		0.0				
6		0.0				
7		0.0				
8		0.0				
9		0.0				
10		0.0				
11		0.0				
12		0.0				
13		0.0				
14		0.0	ML	Tan clayey silt; wet	Soil sample B2 was collected from 13.0 to 13.5 feet bgs at 943 for VOC analysis	
15		0.0			0.5 feet recovery; no odor/staining	
16				Refusal encountered at 15.5 feet bgs	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	B3	0.0	N/A	Gray medium pebbles; dry	Boring was overlain by asphalt	
2		0.0			2.0 feet recovery; no odor/staining	
3		0.0				
4		0.0				
5		0.0				
6		0.0				
7		0.0			1.0 feet recovery; no odor/staining	
8		0.0				
9		0.0				
10		0.0				
11		0.0	CL	Gray medium pebbles; very moist	Soil sample B3 was collected from 12.0 to 12.5 feet bgs at 1000 for VOC analysis	
12		9.2				
13		6.4		Tan clay; moist		
14		1.2	ML	Tan clayey silt; wet	3.0 feet recovery; mild petroleum-like odor observed from 12-14 feet bgs	
15		0.0				
16		0.0			1.0 feet recovery; no odor/staining	
17		0.0				
18				Refusal encountered at 17.0 feet bgs		
19						
20						
21						
22						
23						
24						
25						

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

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

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

Boring Number:		B7			Page 1 of 1	
Location:		Former location of the press in the eastern portion of the warehouse, along the ink line trench			Date Started:	10/1/2016
Site Address:		79 Hurley Avenue			Date Completed:	10/1/2016
		Kingston, New York 12401			Depth to Groundwater:	13
Project Number:		16-162670.6			Field Technician:	Chris Niedzwiecki
Drill Rig Type:		AMS Powerprobe 9500 VTR			Partner Assessment Corporation	
Sampling Equipment:		5.0 foot MacroCore			10 Mountain View Road, Suite 218 North	
Borehole Diameter:		2.25 inch			Upper Saddle River, New Jersey 07458	
Depth	Sample	PID	USCS	Description	Notes	
1	B7		ML	Tan clayey silt; dry	Boring was overlain by concrete	
2					3.75 feet recovery; no odor/staining	
3						
4					Soil sample B7 was collected from 3.0 to 3.5 feet bgs at 1229 for VOC, SVOC, and primary pollutant metals analysis	
5						
6						
7						
8					4.25 feet recovery; no odor/staining	
9			CH	Tan clay; moist		
10						
11						
12						
13					2.25 feet recovery; no odor/staining	
14						
15						
16						
17					Gray clay; wet	
18					2.5 feet recovery; no odor/staining	
19						
20					Tan clay; wet	
21				Boring was terminated at 20.0 feet bgs	A temporary groundwater sampling point, screened from 10.0 to 20.0 feet bgs was installed in boring B7. Groundwater sample B7-GW was collected at 1250 for VOC analysis	
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				
7		0.0				
8		0.0			4.5 feet recovery; no odor/staining	
9		0.0				
10		0.0				
11		0.0				
12		0.0	CH	Tan/red clay; slightly moist	4.25 feet recovery; no odor/staining	
13		0.0				
14		0.0				
15		0.0				
16		0.0				
17		0.0				
18		0.0		Tan clay; very moist	4.5 feet recovery; no odor/staining	
19		0.0				
20		0.0		Tan clay with medium pebbles; wet		
21				Boring was terminated at 20.0 feet bgs	Due to poor recharge, a groundwater sample could not be collected from boring B8	
22						
23						
24						
25						

APPENDIX B: GEOPHYSICAL SURVEY REPORT AND MAP



GEOPHYSICAL INVESTIGATION REPORT

SITE LOCATION:

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

PREPARED FOR:

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

PREPARED BY:

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

October 1, 2016

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

1.0 INTRODUCTION

On October 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.

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LEGEND

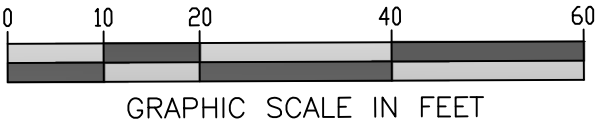
- UTILITY VALVE COVER
- ☀ LIGHT POLE
- E — ELECTRIC
- SD — STORM SEWER
- U — UNKNOWN UTILITY

NOTES:

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

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

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


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

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

APPENDIX C: LABORATORY ANALYTICAL REPORT



ANALYTICAL REPORT

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

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

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

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
Project Number: 16-159311.2

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

Case Narrative

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

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

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

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

HOLD POLICY

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

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

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

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

Case Narrative (continued)

Report Submission

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

Volatile Organics

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

Semivolatile Organics

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

Semivolatile Organics by SIM

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

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 10/07/16

ORGANICS

VOLATILES

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

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

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

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1631369-01

Date Collected: 10/01/16 09:21

Client ID: B1

Date Received: 10/01/16

Sample Location: 79 HURLEY AVENUE, KINGSTON, NY 12401

Field Prep: Not Specified

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

Project Name: THE DAILY FREEMAN
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 12401

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						
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
Project Number: 16-159311.2

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

SAMPLE RESULTS

Lab ID: L1631369-09
Client ID: B2-GW
Sample Location: 79 HURLEY AVENUE, KINGSTON, NY 12401

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						
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

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/05/16 11:42
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09,11 Batch: WG939274-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/05/16 11:42
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09,11 Batch: WG939274-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/05/16 11:42
 Analyst: PD

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

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

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

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10,12 Batch: WG939573-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	1.0	J	ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

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

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10,12 Batch: WG939573-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

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

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

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/07/16 12:21

Analyst: BD

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/07/16 12:21
 Analyst: BD

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/07/16 12:21
 Analyst: BD

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

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/07/16 11:29

Analyst: MV

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/07/16 11:29

Analyst: MV

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

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

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

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

Lab Control Sample Analysis **Batch Quality Control**

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

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

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

Lab Control Sample Analysis **Batch Quality Control**

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

Lab Control Sample Analysis Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

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

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**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16

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

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

Lab Control Sample Analysis **Batch Quality Control**

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

Lab Control Sample Analysis **Batch Quality Control**

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

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

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
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Semivolatile Organics by GC/MS - Westborough Lab

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

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

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

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

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1631369-08

Date Collected: 10/01/16 12:41

Client ID: B8

Date Received: 10/01/16

Sample Location: 79 HURLEY AVENUE, KINGSTON, NY 12401

Field Prep: Not Specified

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

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

Lab ID: L1631369-08

Date Collected: 10/01/16 12:41

Client ID: B8

Date Received: 10/01/16

Sample Location: 79 HURLEY AVENUE, KINGSTON, NY 12401

Field Prep: Not Specified

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

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

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

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

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

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

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

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

SAMPLE RESULTS

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

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

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

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

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

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

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

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

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	1.9	J	ug/l	2.0	0.63	1

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

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

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

SAMPLE RESULTS

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

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

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

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

Lab ID: L1631369-10 D

Date Collected: 10/01/16 11:17

Client ID: B4-GW

Date Received: 10/01/16

Sample Location: 79 HURLEY AVENUE, KINGSTON, NY 12401

Field Prep: Not Specified

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

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

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

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

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

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

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

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

SAMPLE RESULTS

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

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	6.9		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	0.49		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

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

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

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

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

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

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

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

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

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

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

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

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

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

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

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

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG938816-1					
Acenaphthene	ND		ug/l	2.0	0.59
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Hexachlorobenzene	ND		ug/l	2.0	0.58
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
2-Chloronaphthalene	ND		ug/l	2.0	0.64
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
Fluoranthene	ND		ug/l	2.0	0.57
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Hexachloroethane	ND		ug/l	2.0	0.68
Isophorone	ND		ug/l	5.0	0.60
Naphthalene	ND		ug/l	2.0	0.68
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

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

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

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG938816-1					
Dimethyl phthalate	ND		ug/l	5.0	0.65
Benzo(a)anthracene	ND		ug/l	2.0	0.61
Benzo(a)pyrene	ND		ug/l	2.0	0.54
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60
Chrysene	ND		ug/l	2.0	0.54
Acenaphthylene	ND		ug/l	2.0	0.66
Anthracene	ND		ug/l	2.0	0.64
Benzo(ghi)perylene	ND		ug/l	2.0	0.61
Fluorene	ND		ug/l	2.0	0.62
Phenanthrene	ND		ug/l	2.0	0.61
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71
Pyrene	ND		ug/l	2.0	0.57
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.1
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
2-Methylnaphthalene	ND		ug/l	2.0	0.72
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

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

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

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG938816-1					
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Pentachlorophenol	ND		ug/l	10	3.4
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

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

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

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09-11 Batch: WG938817-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

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

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

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

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

Lab Control Sample Analysis **Batch Quality Control**

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

Lab Control Sample Analysis **Batch Quality Control**

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

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

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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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**Lab Number:** L1631369**Project Number:** 16-159311.2**Report Date:** 10/07/16

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

Date Collected: 10/01/16 12:41

Client ID: B8

Date Received: 10/01/16

Sample Location: 79 HURLEY AVENUE, KINGSTON, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 85%

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



Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07-08 Batch: WG938909-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/05/16 09:00	10/06/16 11:36	1,7471B	BV

Prep Information

Digestion Method: EPA 7471B

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

Prep Information

Digestion Method: EPA 3050B



Lab Control Sample Analysis

Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

Matrix Spike Analysis

Batch Quality Control

Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

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

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

Lab Duplicate Analysis

Batch Quality Control

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

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

INORGANICS & MISCELLANEOUS

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

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



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

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



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

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



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

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



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

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



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

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



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

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



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

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



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

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

Project Name: THE DAILY FREEMAN

Lab Number: L1631369

Project Number: 16-159311.2

Report Date: 10/07/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

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

Cooler Information Custody Seal

Cooler

A Absent

Container Information

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

*Values in parentheses indicate holding time in days



Project Name: THE DAILY FREEMAN

Project Number: 16-159311.2

Lab Number: L1631369

Report Date: 10/07/16

Container Information

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

*Values in parentheses indicate holding time in days



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

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

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers



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

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

Data Qualifiers

- reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



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

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

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

Mansfield Facility:

Drinking Water

EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.**

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

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

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L-1631369

Appendix C:
LABORATORY REPORTS

Technical Report for

Partner Engineering & Science

79 Hurley Avenue, Kingston, NY

17242956-EN

SGS Accutest Job Number: JC43253

Sampling Date: 05/12/17

Report to:

Partner Engineering & Science
611 Industrial Way West
Eatontown, NJ 07724
CHanna@PartnerESI.com

ATTN: Cilien Hanna

Total number of pages in report: **153**



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

Nancy F. Cole

Nancy Cole
Laboratory Director

Client Service contact: Kelly Patterson 732-329-0200

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

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

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Sample Summary

Partner Engineering & Science

Job No: JC43253

79 Hurley Avenue, Kingston, NY

Project No: 17242956-EN

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

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

Summary of Hits

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

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

JC43253-1 B-9

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

JC43253-2 B-10

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

JC43253-3 B-11

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

JC43253-4 B-12

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

JC43253-5 B-12A

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

Summary of Hits

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

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

Sample Results

Report of Analysis

Report of Analysis

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

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

	Initial Weight
Run #1	6.4 g
Run #2	

VOA TCL List

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

VOA TCL List

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

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

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

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

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

ABN TCL List (SOM0 2.0)

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

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

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

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

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

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

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

Report of Analysis

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

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

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

VOA TCL List

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

VOA TCL List

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

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

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

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

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

ABN TCL List (SOM0 2.0)

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

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

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

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

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

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

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

Report of Analysis

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

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

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

VOA TCL List

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

VOA TCL List

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

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

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

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

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

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

VOA TCL List

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

VOA TCL List

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

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

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

VOA TCL List

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

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

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

Report of Analysis

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

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

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

ABN TCL List (SOM0 2.0)

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

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

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

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

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

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

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

VOA TCL List

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

VOA TCL List

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

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

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

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

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

VOA TCL List

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

VOA TCL List

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

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

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

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

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

ABN TCL List (SOM0 2.0)

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

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

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

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

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

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

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

Report of Analysis

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

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

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

VOA TCL List

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

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

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

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

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

Report of Analysis

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

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

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

ABN TCL List (SOM0 2.0)

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

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

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

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N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

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

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

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

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

Report of Analysis

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

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

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

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

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Report of Analysis

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

VOA TCL List

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

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

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

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

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

ABN TCL List (SOM0 2.0)

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

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

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

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

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

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

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

Report of Analysis

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

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

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

VOA TCL List

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

VOA TCL List

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

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

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

(a) Result is from Run# 2

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

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

Report of Analysis

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

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

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

ABN TCL List (SOM0 2.0)

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

ND = Not detected MDL = Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

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

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

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

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	4.50	8.4	ug/l	J
	unknown	4.83	5.9	ug/l	J
10544-50-0	Cyclic octaatomic sulfur	9.52	6.8	ug/l	JN
	Total TIC, Semi-Volatile		21.1	ug/l	J

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B137429.D	1	05/20/17 11:55	VC	n/a	n/a	V3B6093
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

VOA TCL List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		76-120%
17060-07-0	1,2-Dichloroethane-D4	115%		73-122%
2037-26-5	Toluene-D8	95%		84-119%
460-00-4	4-Bromofluorobenzene	97%		78-117%

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z121869.D	1	05/19/17 12:40	AC	05/18/17	OP2948	EZ6044
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	0.78	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.85	ug/l	
120-83-2	2,4-Dichlorophenol	ND	1.9	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	2.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	9.5	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	4.8	1.2	ug/l	
95-48-7	2-Methylphenol	ND	1.9	0.85	ug/l	
	3&4-Methylphenol	ND	1.9	0.84	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.91	ug/l	
100-02-7	4-Nitrophenol	ND	9.5	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	3.8	1.3	ug/l	
108-95-2	Phenol	ND	1.9	0.37	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	4.8	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.88	ug/l	
83-32-9	Acenaphthene	ND	0.95	0.18	ug/l	
208-96-8	Acenaphthylene	ND	0.95	0.13	ug/l	
98-86-2	Acetophenone	ND	1.9	0.20	ug/l	
120-12-7	Anthracene	ND	0.95	0.20	ug/l	
1912-24-9	Atrazine	ND	1.9	0.43	ug/l	
100-52-7	Benzaldehyde	ND	4.8	0.28	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.95	0.19	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.95	0.20	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.95	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.95	0.32	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.95	0.20	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	1.9	0.38	ug/l	
85-68-7	Butyl benzyl phthalate	ND	1.9	0.44	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.95	0.20	ug/l	
91-58-7	2-Chloronaphthalene	ND	1.9	0.22	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.32	ug/l	
86-74-8	Carbazole	ND	0.95	0.22	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	1.9	0.62	ug/l	
218-01-9	Chrysene	ND	0.95	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	1.9	0.26	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	1.9	0.24	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	1.9	0.38	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1.9	0.35	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.95	0.53	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.95	0.45	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	1.9	0.48	ug/l	
123-91-1	1,4-Dioxane	ND	0.95	0.63	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.95	0.32	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.21	ug/l	
84-74-2	Di-n-butyl phthalate	ND	1.9	0.47	ug/l	
117-84-0	Di-n-octyl phthalate	ND	1.9	0.22	ug/l	
84-66-2	Diethyl phthalate	ND	1.9	0.25	ug/l	
131-11-3	Dimethyl phthalate	ND	1.9	0.21	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1.9	1.6	ug/l	
206-44-0	Fluoranthene	ND	0.95	0.16	ug/l	
86-73-7	Fluorene	ND	0.95	0.16	ug/l	
118-74-1	Hexachlorobenzene	ND	0.95	0.31	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.95	0.47	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	9.5	2.6	ug/l	
67-72-1	Hexachloroethane	ND	1.9	0.37	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.95	0.32	ug/l	
78-59-1	Isophorone	ND	1.9	0.26	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.95	0.20	ug/l	
88-74-4	2-Nitroaniline	ND	4.8	0.26	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	0.37	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	0.42	ug/l	
91-20-3	Naphthalene	ND	0.95	0.22	ug/l	
98-95-3	Nitrobenzene	ND	1.9	0.61	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	1.9	0.46	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	0.21	ug/l	
85-01-8	Phenanthrene	ND	0.95	0.17	ug/l	
129-00-0	Pyrene	ND	0.95	0.21	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1.9	0.35	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		10-110%

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	30%		10-110%
118-79-6	2,4,6-Tribromophenol	87%		36-151%
4165-60-0	Nitrobenzene-d5	77%		34-128%
321-60-8	2-Fluorobiphenyl	74%		38-119%
1718-51-0	Terphenyl-d14	70%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
10544-50-0	Cyclic octaatomic sulfur	9.52	6.8	ug/l	JN
	Total TIC, Semi-Volatile		6.8	ug/l	J

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

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

Report of Analysis

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

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C149625.D	1	05/17/17 15:14	HT	n/a	n/a	V2C6642
Run #2							

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

VOA TCL List

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

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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

VOA TCL List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%
17060-07-0	1,2-Dichloroethane-D4	104%		73-122%
2037-26-5	Toluene-D8	99%		84-119%
460-00-4	4-Bromofluorobenzene	97%		78-117%

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS Accutest Sample Receipt Summary

Job Number: JC43253

Client: Partner

Project: 17242956-EN

Date / Time Received: 5/13/2017 12:00:00 PM

Delivery Method: FedEx

Airbill #s: 725069295983

Cooler Temps (Raw Measured) °C: Cooler 1: (2.5);

Cooler Temps (Corrected) °C: Cooler 1: (3.9);

Cooler Security
Y or N
Y or N

- | | |
|--|---|
| 1. Custody Seals Present: ☒ Y ☐ N | 3. COC Present: ☒ Y ☐ N |
| 2. Custody Seals Intact: ☒ Y ☐ N | 4. Smpl Dates/Time OK: ☒ Y ☐ N |

Cooler Temperature
Y or N

- | | |
|---|-----------|
| 1. Temp criteria achieved: ☒ Y ☐ N | IR Gun |
| 2. Cooler temp verification: | |
| 3. Cooler media: | Ice (Bag) |
| 4. No. Coolers: | 1 |

Quality Control Preservation
Y or N
N/A

- | | |
|--|-----|
| 1. Trip Blank present / cooler: ☒ Y ☐ N | N/A |
| 2. Trip Blank listed on COC: ☒ Y ☐ N | |
| 3. Samples preserved properly: ☒ Y ☐ N | |
| 4. VOCs headspace free: ☒ Y ☐ N | |

Sample Integrity - Documentation
Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ Y ☐ N | |
| 2. Container labeling complete: ☒ Y ☐ N | |
| 3. Sample container label / COC agree: ☒ Y ☐ N | |

Sample Integrity - Condition
Y or N

- | | |
|---|------------------|
| 1. Sample recvd within HT: ☒ Y ☐ N | |
| 2. All containers accounted for: ☒ Y ☐ N | |
| 3. Condition of sample: | Broken / Leaking |

Sample Integrity - Instructions
Y or N N/A

- | | |
|---|---|
| 1. Analysis requested is clear: ☒ Y ☐ N | |
| 2. Bottles received for unspecified tests: ☐ Y ☒ N | |
| 3. Sufficient volume recvd for analysis: ☒ Y ☐ N | |
| 4. Compositing instructions clear: ☐ Y ☐ N | ☒ N/A |
| 5. Filtering instructions clear: ☐ Y ☐ N | ☒ N/A |

Comments -3 Received 1-8oz soil jar broken. No additional intact soil volume.
 -5 Received 1-8oz soil jar broken. No additional intact soil volume.
 -8 and -9 Received 1-40mL HCL vial broken.
 -10 Received 2-40mL HCL vials broken.

All bottles received were not bubblewrapped.

SM089-02
 Rev. Date 12/1/16

JC43253: Chain of Custody

Page 2 of 3

Response:

Sample -3 & -5: Please run for VOCs. Log in SUBSOL and use value from sample -4.
Sample -8, -9, -10: OK to proceed with limited volume for VOCs

4.1
4

GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Page 1 of 2

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C6232-MB	3C137251.D	1	05/16/17	PS	n/a	n/a	V3C6232

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-1, JC43253-2, JC43253-3, JC43253-4, JC43253-5, JC43253-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/kg	
71-43-2	Benzene	ND	0.50	0.12	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.32	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.15	ug/kg	
75-25-2	Bromoform	ND	5.0	0.27	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	1.8	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.16	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.43	ug/kg	
67-66-3	Chloroform	ND	2.0	0.24	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.21	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.55	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.48	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.15	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.17	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.14	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.15	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.55	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.17	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.15	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.44	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.16	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.31	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.20	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.22	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.15	ug/kg	
76-13-1	Freon 113	ND	5.0	0.48	ug/kg	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	0.15	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.0	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.51	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.27	ug/kg	

Method Blank Summary

Page 2 of 2

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C6232-MB	3C137251.D	1	05/16/17	PS	n/a	n/a	V3C6232

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-1, JC43253-2, JC43253-3, JC43253-4, JC43253-5, JC43253-6

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.85	ug/kg	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/kg	
100-42-5	Styrene	ND	2.0	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.24	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.28	ug/kg	
108-88-3	Toluene	ND	1.0	0.13	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.17	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.32	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.19	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.63	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.20	ug/kg	
	m,p-Xylene	ND	1.0	0.22	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.20	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	100%
17060-07-0	1,2-Dichloroethane-D4	70-122%
2037-26-5	Toluene-D8	98%
460-00-4	4-Bromofluorobenzene	77-125%
		102%
		72-130%

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

Method Blank Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2C6642-MB	2C149612.D	1	05/17/17	HT	n/a	n/a	V2C6642

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-7, JC43253-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2C6642-MB	2C149612.D	1	05/17/17	HT	n/a	n/a	V2C6642

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-7, JC43253-11

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

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	99% 76-120%
17060-07-0	1,2-Dichloroethane-D4	105% 73-122%
2037-26-5	Toluene-D8	97% 84-119%
460-00-4	4-Bromofluorobenzene	95% 78-117%

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

Method Blank Summary

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VD10081-MB	D249750.D	1	05/17/17	XC	n/a	n/a	VD10081

The QC reported here applies to the following samples: Method: SW846 8260C

JC43253-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	50	13	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	98% 70-122%
17060-07-0	1,2-Dichloroethane-D4	99% 68-124%
2037-26-5	Toluene-D8	99% 77-125%
460-00-4	4-Bromofluorobenzene	104% 72-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.88	1800	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A7563-MB	2A178734.D	1	05/19/17	JC	n/a	n/a	V2A7563

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-8, JC43253-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A7563-MB	2A178734.D	1	05/19/17	JC	n/a	n/a	V2A7563

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-8, JC43253-9

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

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	102% 76-120%
17060-07-0	1,2-Dichloroethane-D4	97% 73-122%
2037-26-5	Toluene-D8	101% 84-119%
460-00-4	4-Bromofluorobenzene	103% 78-117%

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

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B6093-MB	3B137425.D	1	05/20/17	VC	n/a	n/a	V3B6093

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B6093-MB	3B137425.D	1	05/20/17	VC	n/a	n/a	V3B6093

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-10

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

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	109% 76-120%
17060-07-0	1,2-Dichloroethane-D4	110% 73-122%
2037-26-5	Toluene-D8	97% 84-119%
460-00-4	4-Bromofluorobenzene	95% 78-117%

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

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A7563-MB2	2A178797A.D	1	05/23/17	JC	n/a	n/a	V2A7563

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43262-4MS, JC43262-4MSD

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A7563-MB2	2A178797A.D	1	05/23/17	JC	n/a	n/a	V2A7563

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43262-4MS, JC43262-4MSD

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

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	104% 76-120%
17060-07-0	1,2-Dichloroethane-D4	98% 73-122%
2037-26-5	Toluene-D8	99% 84-119%
460-00-4	4-Bromofluorobenzene	104% 78-117%

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

Blank Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C6232-BS	3C137252.D	1	05/16/17	PS	n/a	n/a	V3C6232

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-1, JC43253-2, JC43253-3, JC43253-4, JC43253-5, JC43253-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	200	234	117	30-150
71-43-2	Benzene	50	43.8	88	77-122
74-97-5	Bromochloromethane	50	50.5	101	81-126
75-27-4	Bromodichloromethane	50	47.3	95	82-130
75-25-2	Bromoform	50	50.4	101	78-134
74-83-9	Bromomethane	50	51.2	102	56-141
78-93-3	2-Butanone (MEK)	200	236	118	61-139
75-15-0	Carbon disulfide	50	46.6	93	68-131
56-23-5	Carbon tetrachloride	50	46.6	93	73-139
108-90-7	Chlorobenzene	50	46.7	93	79-120
75-00-3	Chloroethane	50	51.8	104	64-150
67-66-3	Chloroform	50	44.7	89	77-123
74-87-3	Chloromethane	50	49.3	99	50-140
110-82-7	Cyclohexane	50	49.2	98	66-131
96-12-8	1,2-Dibromo-3-chloropropane	50	53.6	107	70-128
124-48-1	Dibromochloromethane	50	49.0	98	82-129
106-93-4	1,2-Dibromoethane	50	50.4	101	83-125
95-50-1	1,2-Dichlorobenzene	50	47.8	96	79-118
541-73-1	1,3-Dichlorobenzene	50	46.3	93	76-119
106-46-7	1,4-Dichlorobenzene	50	45.5	91	75-118
75-71-8	Dichlorodifluoromethane	50	47.5	95	31-170
75-34-3	1,1-Dichloroethane	50	50.9	102	78-129
107-06-2	1,2-Dichloroethane	50	48.1	96	77-140
75-35-4	1,1-Dichloroethene	50	46.2	92	71-128
156-59-2	cis-1,2-Dichloroethene	50	44.5	89	73-123
156-60-5	trans-1,2-Dichloroethene	50	45.8	92	72-122
78-87-5	1,2-Dichloropropane	50	49.6	99	80-129
10061-01-5	cis-1,3-Dichloropropene	50	49.7	99	75-124
10061-02-6	trans-1,3-Dichloropropene	50	50.3	101	75-129
100-41-4	Ethylbenzene	50	44.7	89	75-121
76-13-1	Freon 113	50	51.4	103	67-136
591-78-6	2-Hexanone	200	218	109	63-140
98-82-8	Isopropylbenzene	50	47.2	94	70-126
79-20-9	Methyl Acetate	50	51.7	103	59-131
108-87-2	Methylcyclohexane	50	49.8	100	62-131
1634-04-4	Methyl Tert Butyl Ether	50	52.3	105	77-121

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C6232-BS	3C137252.D	1	05/16/17	PS	n/a	n/a	V3C6232

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-1, JC43253-2, JC43253-3, JC43253-4, JC43253-5, JC43253-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	228	114	73-141
75-09-2	Methylene chloride	50	48.8	98	71-124
100-42-5	Styrene	50	47.3	95	79-125
79-34-5	1,1,2,2-Tetrachloroethane	50	53.0	106	72-121
127-18-4	Tetrachloroethene	50	44.8	90	70-135
108-88-3	Toluene	50	45.6	91	75-123
87-61-6	1,2,3-Trichlorobenzene	50	56.5	113	76-128
120-82-1	1,2,4-Trichlorobenzene	50	55.1	110	74-129
71-55-6	1,1,1-Trichloroethane	50	48.1	96	75-134
79-00-5	1,1,2-Trichloroethane	50	48.7	97	78-130
79-01-6	Trichloroethene	50	45.6	91	79-127
75-69-4	Trichlorofluoromethane	50	48.4	97	64-141
75-01-4	Vinyl chloride	50	53.5	107	57-136
	m,p-Xylene	100	92.7	93	75-122
95-47-6	o-Xylene	50	45.5	91	76-121
1330-20-7	Xylene (total)	150	138	92	76-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	70-122%
17060-07-0	1,2-Dichloroethane-D4	99%	68-124%
2037-26-5	Toluene-D8	99%	77-125%
460-00-4	4-Bromofluorobenzene	103%	72-130%

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2C6642-BS	2C149613.D	1	05/17/17	HT	n/a	n/a	V2C6642

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-7, JC43253-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	225	113	49-137
71-43-2	Benzene	50	49.9	100	80-118
74-97-5	Bromochloromethane	50	52.3	105	84-120
75-27-4	Bromodichloromethane	50	57.3	115	83-119
75-25-2	Bromoform	50	53.4	107	77-126
74-83-9	Bromomethane	50	39.6	79	57-133
78-93-3	2-Butanone (MEK)	200	224	112	71-127
75-15-0	Carbon disulfide	50	52.7	105	61-144
56-23-5	Carbon tetrachloride	50	51.9	104	77-134
108-90-7	Chlorobenzene	50	53.2	106	85-116
75-00-3	Chloroethane	50	45.0	90	62-133
67-66-3	Chloroform	50	49.2	98	84-125
74-87-3	Chloromethane	50	39.7	79	51-134
110-82-7	Cyclohexane	50	47.5	95	60-134
96-12-8	1,2-Dibromo-3-chloropropane	50	55.0	110	71-124
124-48-1	Dibromochloromethane	50	54.1	108	82-121
106-93-4	1,2-Dibromoethane	50	53.8	108	79-120
95-50-1	1,2-Dichlorobenzene	50	53.3	107	84-117
541-73-1	1,3-Dichlorobenzene	50	52.0	104	83-114
106-46-7	1,4-Dichlorobenzene	50	51.4	103	83-115
75-71-8	Dichlorodifluoromethane	50	44.3	89	43-135
75-34-3	1,1-Dichloroethane	50	54.1	108	79-124
107-06-2	1,2-Dichloroethane	50	52.3	105	81-127
75-35-4	1,1-Dichloroethene	50	48.0	96	69-136
156-59-2	cis-1,2-Dichloroethene	50	51.1	102	79-118
156-60-5	trans-1,2-Dichloroethene	50	51.0	102	73-125
78-87-5	1,2-Dichloropropane	50	52.8	106	81-118
10061-01-5	cis-1,3-Dichloropropene	50	56.6	113	86-119
10061-02-6	trans-1,3-Dichloropropene	50	54.3	109	84-121
100-41-4	Ethylbenzene	50	54.3	109	84-115
76-13-1	Freon 113	50	51.2	102	67-159
591-78-6	2-Hexanone	200	226	113	71-125
98-82-8	Isopropylbenzene	50	54.8	110	80-121
79-20-9	Methyl Acetate	50	54.9	110	69-126
108-87-2	Methylcyclohexane	50	54.2	108	61-138
1634-04-4	Methyl Tert Butyl Ether	50	53.3	107	80-121

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2C6642-BS	2C149613.D	1	05/17/17	HT	n/a	n/a	V2C6642

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-7, JC43253-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	228	114	77-123
75-09-2	Methylene chloride	50	53.4	107	75-122
100-42-5	Styrene	50	56.2	112	86-118
79-34-5	1,1,2,2-Tetrachloroethane	50	55.7	111	74-119
127-18-4	Tetrachloroethene	50	49.7	99	70-134
108-88-3	Toluene	50	53.9	108	84-117
87-61-6	1,2,3-Trichlorobenzene	50	56.2	112	73-130
120-82-1	1,2,4-Trichlorobenzene	50	55.9	112	79-129
71-55-6	1,1,1-Trichloroethane	50	55.1	110	83-134
79-00-5	1,1,2-Trichloroethane	50	54.6	109	84-119
79-01-6	Trichloroethene	50	53.5	107	84-120
75-69-4	Trichlorofluoromethane	50	50.1	100	63-133
75-01-4	Vinyl chloride	50	44.8	90	55-121
	m,p-Xylene	100	109	109	85-117
95-47-6	o-Xylene	50	55.3	111	85-119
1330-20-7	Xylene (total)	150	164	109	85-117

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	76-120%
17060-07-0	1,2-Dichloroethane-D4	99%	73-122%
2037-26-5	Toluene-D8	97%	84-119%
460-00-4	4-Bromofluorobenzene	98%	78-117%

* = Outside of Control Limits.

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Job Number: JC43253

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VD10081-BS	D249751.D	1	05/17/17	XC	n/a	n/a	VD10081

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	2500	2480	99	77-121

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

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A7563-BS	2A178735.D	1	05/19/17	JC	n/a	n/a	V2A7563

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-8, JC43253-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	184	92	49-137
71-43-2	Benzene	50	50.1	100	80-118
74-97-5	Bromochloromethane	50	54.0	108	84-120
75-27-4	Bromodichloromethane	50	52.2	104	83-119
75-25-2	Bromoform	50	50.6	101	77-126
74-83-9	Bromomethane	50	55.0	110	57-133
78-93-3	2-Butanone (MEK)	200	207	104	71-127
75-15-0	Carbon disulfide	50	47.9	96	61-144
56-23-5	Carbon tetrachloride	50	54.5	109	77-134
108-90-7	Chlorobenzene	50	50.8	102	85-116
75-00-3	Chloroethane	50	54.8	110	62-133
67-66-3	Chloroform	50	49.3	99	84-125
74-87-3	Chloromethane	50	55.5	111	51-134
110-82-7	Cyclohexane	50	41.7	83	60-134
96-12-8	1,2-Dibromo-3-chloropropane	50	51.5	103	71-124
124-48-1	Dibromochloromethane	50	55.6	111	82-121
106-93-4	1,2-Dibromoethane	50	53.3	107	79-120
95-50-1	1,2-Dichlorobenzene	50	51.5	103	84-117
541-73-1	1,3-Dichlorobenzene	50	49.7	99	83-114
106-46-7	1,4-Dichlorobenzene	50	49.1	98	83-115
75-71-8	Dichlorodifluoromethane	50	50.6	101	43-135
75-34-3	1,1-Dichloroethane	50	51.8	104	79-124
107-06-2	1,2-Dichloroethane	50	47.7	95	81-127
75-35-4	1,1-Dichloroethene	50	43.5	87	69-136
156-59-2	cis-1,2-Dichloroethene	50	49.7	99	79-118
156-60-5	trans-1,2-Dichloroethene	50	47.9	96	73-125
78-87-5	1,2-Dichloropropane	50	54.6	109	81-118
10061-01-5	cis-1,3-Dichloropropene	50	51.7	103	86-119
10061-02-6	trans-1,3-Dichloropropene	50	52.1	104	84-121
100-41-4	Ethylbenzene	50	50.2	100	84-115
76-13-1	Freon 113	50	48.1	96	67-159
591-78-6	2-Hexanone	200	203	102	71-125
98-82-8	Isopropylbenzene	50	50.5	101	80-121
79-20-9	Methyl Acetate	50	48.3	97	69-126
108-87-2	Methylcyclohexane	50	53.2	106	61-138
1634-04-4	Methyl Tert Butyl Ether	50	51.5	103	80-121

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2A7563-BS	2A178735.D	1	05/19/17	JC	n/a	n/a	V2A7563

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-8, JC43253-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	203	102	77-123
75-09-2	Methylene chloride	50	49.9	100	75-122
100-42-5	Styrene	50	51.5	103	86-118
79-34-5	1,1,2,2-Tetrachloroethane	50	52.3	105	74-119
127-18-4	Tetrachloroethene	50	50.8	102	70-134
108-88-3	Toluene	50	51.5	103	84-117
87-61-6	1,2,3-Trichlorobenzene	50	53.3	107	73-130
120-82-1	1,2,4-Trichlorobenzene	50	53.2	106	79-129
71-55-6	1,1,1-Trichloroethane	50	52.0	104	83-134
79-00-5	1,1,2-Trichloroethane	50	53.5	107	84-119
79-01-6	Trichloroethene	50	51.5	103	84-120
75-69-4	Trichlorofluoromethane	50	56.7	113	63-133
75-01-4	Vinyl chloride	50	58.2	116	55-121
	m,p-Xylene	100	102	102	85-117
95-47-6	o-Xylene	50	51.3	103	85-119
1330-20-7	Xylene (total)	150	153	102	85-117

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	76-120%
17060-07-0	1,2-Dichloroethane-D4	95%	73-122%
2037-26-5	Toluene-D8	102%	84-119%
460-00-4	4-Bromofluorobenzene	102%	78-117%

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B6093-BS	3B137426.D	1	05/20/17	VC	n/a	n/a	V3B6093

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	209	105	49-137
71-43-2	Benzene	50	52.9	106	80-118
74-97-5	Bromochloromethane	50	53.6	107	84-120
75-27-4	Bromodichloromethane	50	53.5	107	83-119
75-25-2	Bromoform	50	56.2	112	77-126
74-83-9	Bromomethane	50	60.0	120	57-133
78-93-3	2-Butanone (MEK)	200	195	98	71-127
75-15-0	Carbon disulfide	50	49.0	98	61-144
56-23-5	Carbon tetrachloride	50	55.3	111	77-134
108-90-7	Chlorobenzene	50	51.3	103	85-116
75-00-3	Chloroethane	50	56.4	113	62-133
67-66-3	Chloroform	50	51.6	103	84-125
74-87-3	Chloromethane	50	52.3	105	51-134
110-82-7	Cyclohexane	50	58.0	116	60-134
96-12-8	1,2-Dibromo-3-chloropropane	50	46.1	92	71-124
124-48-1	Dibromochloromethane	50	51.3	103	82-121
106-93-4	1,2-Dibromoethane	50	49.0	98	79-120
95-50-1	1,2-Dichlorobenzene	50	53.1	106	84-117
541-73-1	1,3-Dichlorobenzene	50	53.9	108	83-114
106-46-7	1,4-Dichlorobenzene	50	53.2	106	83-115
75-71-8	Dichlorodifluoromethane	50	54.3	109	43-135
75-34-3	1,1-Dichloroethane	50	52.2	104	79-124
107-06-2	1,2-Dichloroethane	50	53.7	107	81-127
75-35-4	1,1-Dichloroethene	50	47.1	94	69-136
156-59-2	cis-1,2-Dichloroethene	50	51.6	103	79-118
156-60-5	trans-1,2-Dichloroethene	50	49.5	99	73-125
78-87-5	1,2-Dichloropropane	50	55.3	111	81-118
10061-01-5	cis-1,3-Dichloropropene	50	54.1	108	86-119
10061-02-6	trans-1,3-Dichloropropene	50	50.8	102	84-121
100-41-4	Ethylbenzene	50	51.1	102	84-115
76-13-1	Freon 113	50	57.3	115	67-159
591-78-6	2-Hexanone	200	185	93	71-125
98-82-8	Isopropylbenzene	50	49.5	99	80-121
79-20-9	Methyl Acetate	50	46.3	93	69-126
108-87-2	Methylcyclohexane	50	56.8	114	61-138
1634-04-4	Methyl Tert Butyl Ether	50	46.0	92	80-121

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B6093-BS	3B137426.D	1	05/20/17	VC	n/a	n/a	V3B6093

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	210	105	77-123
75-09-2	Methylene chloride	50	49.6	99	75-122
100-42-5	Styrene	50	52.2	104	86-118
79-34-5	1,1,2,2-Tetrachloroethane	50	50.6	101	74-119
127-18-4	Tetrachloroethene	50	51.0	102	70-134
108-88-3	Toluene	50	50.3	101	84-117
87-61-6	1,2,3-Trichlorobenzene	50	55.3	111	73-130
120-82-1	1,2,4-Trichlorobenzene	50	54.1	108	79-129
71-55-6	1,1,1-Trichloroethane	50	55.2	110	83-134
79-00-5	1,1,2-Trichloroethane	50	50.2	100	84-119
79-01-6	Trichloroethene	50	53.2	106	84-120
75-69-4	Trichlorofluoromethane	50	56.8	114	63-133
75-01-4	Vinyl chloride	50	54.4	109	55-121
	m,p-Xylene	100	102	102	85-117
95-47-6	o-Xylene	50	49.8	100	85-119
1330-20-7	Xylene (total)	150	151	101	85-117

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	76-120%
17060-07-0	1,2-Dichloroethane-D4	107%	73-122%
2037-26-5	Toluene-D8	95%	84-119%
460-00-4	4-Bromofluorobenzene	96%	78-117%

* = Outside of Control Limits.

Matrix Spike Summary

Page 1 of 2

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43253-1MS	3C137261.D	1	05/16/17	PS	n/a	n/a	V3C6232
JC43253-1	3C137254.D	1	05/16/17	PS	n/a	n/a	V3C6232

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-1, JC43253-2, JC43253-3, JC43253-4, JC43253-5, JC43253-6

CAS No.	Compound	JC43253-1	Spike	MS	MS	Limits
		ug/kg	Q	ug/kg	ug/kg	
67-64-1	Acetone	10.7	195	153	73	10-180
71-43-2	Benzene	ND	48.7	37.1	76	48-136
74-97-5	Bromochloromethane	ND	48.7	40.5	83	53-137
75-27-4	Bromodichloromethane	ND	48.7	39.6	81	50-145
75-25-2	Bromoform	ND	48.7	36.4	75	39-148
74-83-9	Bromomethane	ND	48.7	41.8	86	12-156
78-93-3	2-Butanone (MEK)	ND	195	164	84	26-164
75-15-0	Carbon disulfide	ND	48.7	40.5	83	34-146
56-23-5	Carbon tetrachloride	ND	48.7	39.5	81	43-152
108-90-7	Chlorobenzene	ND	48.7	38.7	79	38-144
75-00-3	Chloroethane	ND	48.7	43.6	90	26-154
67-66-3	Chloroform	ND	48.7	38.2	78	52-134
74-87-3	Chloromethane	ND	48.7	38.6	79	41-142
110-82-7	Cyclohexane	ND	48.7	42.6	87	22-154
96-12-8	1,2-Dibromo-3-chloropropane	ND	48.7	37.2	76	29-145
124-48-1	Dibromochloromethane	ND	48.7	38.6	79	49-142
106-93-4	1,2-Dibromoethane	ND	48.7	38.7	79	46-139
95-50-1	1,2-Dichlorobenzene	ND	48.7	37.6	77	30-144
541-73-1	1,3-Dichlorobenzene	ND	48.7	37.4	77	28-148
106-46-7	1,4-Dichlorobenzene	ND	48.7	36.1	74	30-142
75-71-8	Dichlorodifluoromethane	ND	48.7	40.7	84	31-161
75-34-3	1,1-Dichloroethane	ND	48.7	43.2	89	54-137
107-06-2	1,2-Dichloroethane	ND	48.7	37.9	78	56-140
75-35-4	1,1-Dichloroethene	ND	48.7	40.8	84	41-143
156-59-2	cis-1,2-Dichloroethene	ND	48.7	37.7	77	45-137
156-60-5	trans-1,2-Dichloroethene	ND	48.7	39.3	81	42-141
78-87-5	1,2-Dichloropropane	ND	48.7	40.7	84	53-139
10061-01-5	cis-1,3-Dichloropropene	ND	48.7	40.1	82	41-144
10061-02-6	trans-1,3-Dichloropropene	ND	48.7	39.6	81	36-148
100-41-4	Ethylbenzene	ND	48.7	37.7	77	34-145
76-13-1	Freon 113	ND	48.7	44.0	90	30-152
591-78-6	2-Hexanone	ND	195	155	80	16-176
98-82-8	Isopropylbenzene	ND	48.7	39.1	80	36-145
79-20-9	Methyl Acetate	ND	48.7	40.4	83	26-176
108-87-2	Methylcyclohexane	ND	48.7	38.6	79	14-153
1634-04-4	Methyl Tert Butyl Ether	ND	48.7	41.8	86	54-129

* = Outside of Control Limits.

Matrix Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43253-1MS	3C137261.D	1	05/16/17	PS	n/a	n/a	V3C6232
JC43253-1	3C137254.D	1	05/16/17	PS	n/a	n/a	V3C6232

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-1, JC43253-2, JC43253-3, JC43253-4, JC43253-5, JC43253-6

CAS No.	Compound	JC43253-1 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		195	166	85	33-154
75-09-2	Methylene chloride	ND		48.7	41.4	85	47-133
100-42-5	Styrene	ND		48.7	38.2	78	32-156
79-34-5	1,1,2,2-Tetrachloroethane	ND		48.7	39.2	81	31-149
127-18-4	Tetrachloroethene	ND		48.7	37.9	78	34-163
108-88-3	Toluene	ND		48.7	38.8	80	40-141
87-61-6	1,2,3-Trichlorobenzene	ND		48.7	39.6	81	14-153
120-82-1	1,2,4-Trichlorobenzene	ND		48.7	39.0	80	14-156
71-55-6	1,1,1-Trichloroethane	ND		48.7	41.3	85	48-144
79-00-5	1,1,2-Trichloroethane	ND		48.7	38.3	79	43-146
79-01-6	Trichloroethene	ND		48.7	38.8	80	42-152
75-69-4	Trichlorofluoromethane	ND		48.7	41.3	85	39-153
75-01-4	Vinyl chloride	ND		48.7	44.4	91	38-149
	m,p-Xylene	0.43	J	97.4	77.8	79	32-148
95-47-6	o-Xylene	ND		48.7	38.1	78	36-145
1330-20-7	Xylene (total)	0.43	J	146	116	79	34-146

CAS No.	Surrogate Recoveries	MS	JC43253-1	Limits
1868-53-7	Dibromofluoromethane	98%	102%	70-122%
17060-07-0	1,2-Dichloroethane-D4	91%	101%	68-124%
2037-26-5	Toluene-D8	100%	94%	77-125%
460-00-4	4-Bromofluorobenzene	104%	102%	72-130%

* = Outside of Control Limits.

Matrix Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43612-1MS	3B137444.D	1	05/20/17	VC	n/a	n/a	V3B6093
JC43612-1	3B137437.D	1	05/20/17	VC	n/a	n/a	V3B6093

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-10

CAS No.	Compound	JC43612-1 ug/l	Spike Q	MS ug/l	MS %	Limits
67-64-1	Acetone	ND		200	240	120 39-143
71-43-2	Benzene	ND		50	62.2	124 54-138
74-97-5	Bromochloromethane	ND		50	60.3	121 79-123
75-27-4	Bromodichloromethane	ND		50	60.4	121 78-123
75-25-2	Bromoform	ND		50	60.9	122 71-128
74-83-9	Bromomethane	ND		50	64.4	129 52-140
78-93-3	2-Butanone (MEK)	ND		200	238	119 57-141
75-15-0	Carbon disulfide	ND		50	55.3	111 51-156
56-23-5	Carbon tetrachloride	ND		50	59.1	118 65-148
108-90-7	Chlorobenzene	ND		50	59.8	120 76-125
75-00-3	Chloroethane	ND		50	61.2	122 55-142
67-66-3	Chloroform	ND		50	57.6	115 77-131
74-87-3	Chloromethane	ND		50	60.6	121 43-144
110-82-7	Cyclohexane	ND		50	62.5	125 41-160
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	57.8	116 66-128
124-48-1	Dibromochloromethane	ND		50	58.7	117 77-124
106-93-4	1,2-Dibromoethane	ND		50	58.1	116 77-119
95-50-1	1,2-Dichlorobenzene	ND		50	61.6	123* a 78-122
541-73-1	1,3-Dichlorobenzene	ND		50	62.6	125* a 77-120
106-46-7	1,4-Dichlorobenzene	ND		50	61.5	123* a 75-122
75-71-8	Dichlorodifluoromethane	ND		50	58.0	116 31-155
75-34-3	1,1-Dichloroethane	ND		50	60.0	120 71-131
107-06-2	1,2-Dichloroethane	ND		50	57.9	116 72-135
75-35-4	1,1-Dichloroethene	ND		50	55.8	112 57-149
156-59-2	cis-1,2-Dichloroethene	ND		50	59.6	119 59-134
156-60-5	trans-1,2-Dichloroethene	ND		50	57.4	115 64-134
78-87-5	1,2-Dichloropropane	ND		50	61.7	123* a 76-122
10061-01-5	cis-1,3-Dichloropropene	ND		50	61.4	123 80-124
10061-02-6	trans-1,3-Dichloropropene	ND		50	58.4	117 78-124
100-41-4	Ethylbenzene	ND		50	59.5	119 48-143
76-13-1	Freon 113	ND		50	62.1	124 56-179
591-78-6	2-Hexanone	ND		200	225	113 63-135
98-82-8	Isopropylbenzene	ND		50	57.6	115 70-131
79-20-9	Methyl Acetate	ND		50	49.7	99 60-127
108-87-2	Methylcyclohexane	ND		50	64.4	129 43-163
1634-04-4	Methyl Tert Butyl Ether	ND		50	53.4	107 70-127

* = Outside of Control Limits.

Matrix Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43612-1MS	3B137444.D	1	05/20/17	VC	n/a	n/a	V3B6093
JC43612-1	3B137437.D	1	05/20/17	VC	n/a	n/a	V3B6093

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-10

CAS No.	Compound	JC43612-1 ug/l	Spike Q	MS ug/l	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	200	237	119	71-131
75-09-2	Methylene chloride	ND	50	56.0	112	69-127
100-42-5	Styrene	ND	50	59.3	119	76-128
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	62.4	125* a	70-122
127-18-4	Tetrachloroethene	ND	50	61.8	124	55-144
108-88-3	Toluene	ND	50	59.9	120	61-136
87-61-6	1,2,3-Trichlorobenzene	ND	50	65.6	131	68-135
120-82-1	1,2,4-Trichlorobenzene	ND	50	64.3	129	73-136
71-55-6	1,1,1-Trichloroethane	ND	50	59.1	118	70-147
79-00-5	1,1,2-Trichloroethane	ND	50	59.1	118	78-122
79-01-6	Trichloroethene	ND	50	61.2	122	62-141
75-69-4	Trichlorofluoromethane	ND	50	58.4	117	50-152
75-01-4	Vinyl chloride	ND	50	62.7	125	44-136
	m,p-Xylene	ND	100	118	118	50-144
95-47-6	o-Xylene	ND	50	57.7	115	62-137
1330-20-7	Xylene (total)	ND	150	176	117	56-141

CAS No.	Surrogate Recoveries	MS	JC43612-1	Limits
1868-53-7	Dibromofluoromethane	104%	111%	76-120%
17060-07-0	1,2-Dichloroethane-D4	98%	113%	73-122%
2037-26-5	Toluene-D8	97%	98%	84-119%
460-00-4	4-Bromofluorobenzene	100%	98%	78-117%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43234-14MS	2C149622.D	1	05/17/17	HT	n/a	n/a	V2C6642
JC43234-14MSD	2C149623.D	1	05/17/17	HT	n/a	n/a	V2C6642
JC43234-14	2C149615.D	1	05/17/17	HT	n/a	n/a	V2C6642

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-7, JC43253-11

CAS No.	Compound	JC43234-14		Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
		ug/l	Q								
67-64-1	Acetone	ND		200	234	117	200	233	117	0	39-143/16
71-43-2	Benzene	0.14	J	50	54.5	109	50	53.9	108	1	54-138/11
74-97-5	Bromochloromethane	ND		50	54.8	110	50	53.2	106	3	79-123/11
75-27-4	Bromodichloromethane	ND		50	61.1	122	50	60.1	120	2	78-123/10
75-25-2	Bromoform	ND		50	55.4	111	50	55.4	111	0	71-128/11
74-83-9	Bromomethane	ND		50	44.4	89	50	43.5	87	2	52-140/16
78-93-3	2-Butanone (MEK)	ND		200	229	115	200	232	116	1	57-141/16
75-15-0	Carbon disulfide	ND		50	59.2	118	50	56.7	113	4	51-156/14
56-23-5	Carbon tetrachloride	ND		50	59.6	119	50	55.8	112	7	65-148/13
108-90-7	Chlorobenzene	ND		50	55.7	111	50	56.2	112	1	76-125/10
75-00-3	Chloroethane	ND		50	52.1	104	50	50.4	101	3	55-142/16
67-66-3	Chloroform	ND		50	52.5	105	50	52.1	104	1	77-131/11
74-87-3	Chloromethane	ND		50	47.5	95	50	46.5	93	2	43-144/17
110-82-7	Cyclohexane	ND		50	54.4	109	50	52.1	104	4	41-160/18
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	55.2	110	50	57.0	114	3	66-128/12
124-48-1	Dibromochloromethane	ND		50	55.2	110	50	56.5	113	2	77-124/10
106-93-4	1,2-Dibromoethane	ND		50	55.2	110	50	55.3	111	0	77-119/10
95-50-1	1,2-Dichlorobenzene	ND		50	55.4	111	50	55.8	112	1	78-122/10
541-73-1	1,3-Dichlorobenzene	ND		50	54.9	110	50	55.0	110	0	77-120/10
106-46-7	1,4-Dichlorobenzene	ND		50	53.7	107	50	53.4	107	1	75-122/10
75-71-8	Dichlorodifluoromethane	ND		50	52.2	104	50	48.2	96	8	31-155/20
75-34-3	1,1-Dichloroethane	ND		50	58.4	117	50	56.9	114	3	71-131/12
107-06-2	1,2-Dichloroethane	ND		50	55.3	111	50	53.2	106	4	72-135/11
75-35-4	1,1-Dichloroethene	ND		50	52.2	104	50	51.6	103	1	57-149/14
156-59-2	cis-1,2-Dichloroethene	0.78	J	50	55.6	110	50	55.6	110	0	59-134/11
156-60-5	trans-1,2-Dichloroethene	ND		50	55.7	111	50	55.2	110	1	64-134/12
78-87-5	1,2-Dichloropropane	ND		50	57.2	114	50	56.8	114	1	76-122/11
10061-01-5	cis-1,3-Dichloropropene	ND		50	59.3	119	50	60.2	120	2	80-124/10
10061-02-6	trans-1,3-Dichloropropene	ND		50	55.7	111	50	56.7	113	2	78-124/11
100-41-4	Ethylbenzene	ND		50	57.8	116	50	57.7	115	0	48-143/11
76-13-1	Freon 113	ND		50	57.8	116	50	54.8	110	5	56-179/17
591-78-6	2-Hexanone	ND		200	227	114	200	233	117	3	63-135/13
98-82-8	Isopropylbenzene	ND		50	59.0	118	50	58.1	116	2	70-131/12
79-20-9	Methyl Acetate	ND		50	57.6	115	50	57.0	114	1	60-127/13
108-87-2	Methylcyclohexane	ND		50	62.3	125	50	59.7	119	4	43-163/17
1634-04-4	Methyl Tert Butyl Ether	ND		50	55.9	112	50	54.5	109	3	70-127/11

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43234-14MS	2C149622.D	1	05/17/17	HT	n/a	n/a	V2C6642
JC43234-14MSD	2C149623.D	1	05/17/17	HT	n/a	n/a	V2C6642
JC43234-14	2C149615.D	1	05/17/17	HT	n/a	n/a	V2C6642

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-7, JC43253-11

CAS No.	Compound	JC43234-14 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		200	121	200	242	121	0	71-131/12
75-09-2	Methylene chloride	ND		50	115	50	55.7	111	3	69-127/12
100-42-5	Styrene	ND		50	117	50	59.3	119	1	76-128/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	112	50	59.3	119	6	70-122/10
127-18-4	Tetrachloroethene	0.72	J	50	104	50	52.5	104	0	55-144/12
108-88-3	Toluene	ND		50	113	50	57.6	115	2	61-136/11
87-61-6	1,2,3-Trichlorobenzene	ND		50	116	50	58.6	117	1	68-135/13
120-82-1	1,2,4-Trichlorobenzene	ND		50	115	50	57.5	115	0	73-136/13
71-55-6	1,1,1-Trichloroethane	ND		50	132	50	60.0	120	10	70-147/13
79-00-5	1,1,2-Trichloroethane	ND		50	110	50	56.5	113	3	78-122/10
79-01-6	Trichloroethene	2.0		50	118	50	59.3	115	3	62-141/11
75-69-4	Trichlorofluoromethane	ND		50	114	50	54.0	108	6	50-152/16
75-01-4	Vinyl chloride	ND		50	108	50	53.0	106	2	44-136/16
	m,p-Xylene	ND		100	115	100	115	115	0	50-144/12
95-47-6	o-Xylene	ND		50	118	50	58.1	116	1	62-137/12
1330-20-7	Xylene (total)	ND		150	116	150	173	115	1	56-141/11

CAS No.	Surrogate Recoveries	MS	MSD	JC43234-14	Limits
1868-53-7	Dibromofluoromethane	103%	101%	99%	76-120%
17060-07-0	1,2-Dichloroethane-D4	102%	99%	104%	73-122%
2037-26-5	Toluene-D8	97%	97%	99%	84-119%
460-00-4	4-Bromofluorobenzene	98%	100%	95%	78-117%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43101-1MS	D249760A.D	1	05/17/17	XC	n/a	n/a	VD10081
JC43101-1MSD	D249761.D	1	05/17/17	XC	n/a	n/a	VD10081
JC43101-1 ^a	D249757.D	1	05/17/17	XC	n/a	n/a	VD10081

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-3

CAS No.	Compound	JC43101-1 ug/kg	Spike Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	31.4	J	2520	3080	121	2520	2900	114	6	54-129/25

CAS No.	Surrogate Recoveries	MS	MSD	JC43101-1	Limits
1868-53-7	Dibromofluoromethane	104%	103%	104%	70-122%
17060-07-0	1,2-Dichloroethane-D4	132%* ^b	129%* ^b	123%	68-124%
2037-26-5	Toluene-D8	122%	105%	101%	77-125%
460-00-4	4-Bromofluorobenzene	107%	109%	106%	72-130%

(a) Sample was not collected per 5035A specifications. Sample preserved from intact soil by laboratory. Dilution required due to high concentration of target compound.

(b) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43262-4MS	2A178799.D	1	05/23/17	JC	n/a	n/a	V2A7563
JC43262-4MSD	2A178800.D	1	05/23/17	JC	n/a	n/a	V2A7563
JC43262-4	2A178737.D	1	05/19/17	JC	n/a	n/a	V2A7563

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-8, JC43253-9

CAS No.	Compound	JC43262-4 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	200	175	88	200	181	91	3	39-143/16
71-43-2	Benzene	ND	50	47.0	94	50	47.9	96	2	54-138/11
74-97-5	Bromochloromethane	ND	50	49.7	99	50	51.0	102	3	79-123/11
75-27-4	Bromodichloromethane	ND	50	48.3	97	50	49.4	99	2	78-123/10
75-25-2	Bromoform	ND	50	48.5	97	50	49.5	99	2	71-128/11
74-83-9	Bromomethane	ND	50	47.9	96	50	50.7	101	6	52-140/16
78-93-3	2-Butanone (MEK)	ND	200	189	95	200	199	100	5	57-141/16
75-15-0	Carbon disulfide	ND	50	58.3	117	50	54.1	108	7	51-156/14
56-23-5	Carbon tetrachloride	ND	50	54.1	108	50	52.9	106	2	65-148/13
108-90-7	Chlorobenzene	ND	50	46.9	94	50	47.1	94	0	76-125/10
75-00-3	Chloroethane	ND	50	51.6	103	50	52.8	106	2	55-142/16
67-66-3	Chloroform	ND	50	46.5	93	50	46.6	93	0	77-131/11
74-87-3	Chloromethane	ND	50	52.6	105	50	52.5	105	0	43-144/17
110-82-7	Cyclohexane	ND	50	44.3	89	50	46.4	93	5	41-160/18
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	47.5	95	50	50.0	100	5	66-128/12
124-48-1	Dibromochloromethane	ND	50	51.6	103	50	51.6	103	0	77-124/10
106-93-4	1,2-Dibromoethane	ND	50	47.4	95	50	47.8	96	1	77-119/10
95-50-1	1,2-Dichlorobenzene	ND	50	45.9	92	50	46.8	94	2	78-122/10
541-73-1	1,3-Dichlorobenzene	ND	50	44.7	89	50	45.7	91	2	77-120/10
106-46-7	1,4-Dichlorobenzene	ND	50	44.6	89	50	45.7	91	2	75-122/10
75-71-8	Dichlorodifluoromethane	ND	50	49.7	99	50	51.9	104	4	31-155/20
75-34-3	1,1-Dichloroethane	ND	50	50.5	101	50	50.2	100	1	71-131/12
107-06-2	1,2-Dichloroethane	ND	50	43.1	86	50	44.8	90	4	72-135/11
75-35-4	1,1-Dichloroethene	ND	50	46.9	94	50	46.5	93	1	57-149/14
156-59-2	cis-1,2-Dichloroethene	ND	50	47.9	96	50	47.6	95	1	59-134/11
156-60-5	trans-1,2-Dichloroethene	ND	50	47.5	95	50	47.9	96	1	64-134/12
78-87-5	1,2-Dichloropropane	ND	50	50.7	101	50	51.7	103	2	76-122/11
10061-01-5	cis-1,3-Dichloropropene	ND	50	49.6	99	50	50.2	100	1	80-124/10
10061-02-6	trans-1,3-Dichloropropene	ND	50	49.5	99	50	49.7	99	0	78-124/11
100-41-4	Ethylbenzene	ND	50	46.5	93	50	47.3	95	2	48-143/11
76-13-1	Freon 113	ND	50	50.1	100	50	49.4	99	1	56-179/17
591-78-6	2-Hexanone	ND	200	184	92	200	198	99	7	63-135/13
98-82-8	Isopropylbenzene	ND	50	46.8	94	50	47.0	94	0	70-131/12
79-20-9	Methyl Acetate	ND	50	47.3	95	50	47.3	95	0	60-127/13
108-87-2	Methylcyclohexane	ND	50	50.7	101	50	52.1	104	3	43-163/17
1634-04-4	Methyl Tert Butyl Ether	ND	50	49.3	99	50	49.0	98	1	70-127/11

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43262-4MS	2A178799.D	1	05/23/17	JC	n/a	n/a	V2A7563
JC43262-4MSD	2A178800.D	1	05/23/17	JC	n/a	n/a	V2A7563
JC43262-4	2A178737.D	1	05/19/17	JC	n/a	n/a	V2A7563

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-8, JC43253-9

CAS No.	Compound	JC43262-4 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	200	187	94	200	199	100	6	71-131/12
75-09-2	Methylene chloride	ND	50	52.7	105	50	52.3	105	1	69-127/12
100-42-5	Styrene	ND	50	46.4	93	50	46.7	93	1	76-128/11
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	46.9	94	50	47.9	96	2	70-122/10
127-18-4	Tetrachloroethene	ND	50	46.3	93	50	47.1	94	2	55-144/12
108-88-3	Toluene	ND	50	47.4	95	50	48.0	96	1	61-136/11
87-61-6	1,2,3-Trichlorobenzene	ND	50	48.8	98	50	51.2	102	5	68-135/13
120-82-1	1,2,4-Trichlorobenzene	ND	50	48.8	98	50	51.2	102	5	73-136/13
71-55-6	1,1,1-Trichloroethane	ND	50	51.0	102	50	50.4	101	1	70-147/13
79-00-5	1,1,2-Trichloroethane	ND	50	47.0	94	50	48.3	97	3	78-122/10
79-01-6	Trichloroethene	ND	50	48.2	96	50	49.5	99	3	62-141/11
75-69-4	Trichlorofluoromethane	ND	50	53.3	107	50	56.2	112	5	50-152/16
75-01-4	Vinyl chloride	ND	50	56.8	114	50	57.0	114	0	44-136/16
	m,p-Xylene	ND	100	94.4	94	100	94.9	95	1	50-144/12
95-47-6	o-Xylene	ND	50	46.9	94	50	47.1	94	0	62-137/12
1330-20-7	Xylene (total)	ND	150	141	94	150	142	95	1	56-141/11

CAS No.	Surrogate Recoveries	MS	MSD	JC43262-4	Limits
1868-53-7	Dibromofluoromethane	105%	103%	102%	76-120%
17060-07-0	1,2-Dichloroethane-D4	96%	97%	95%	73-122%
2037-26-5	Toluene-D8	100%	100%	100%	84-119%
460-00-4	4-Bromofluorobenzene	103%	103%	102%	78-117%

* = Outside of Control Limits.

Duplicate Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43253-2DUP	3C137257.D	1	05/16/17	PS	n/a	n/a	V3C6232
JC43253-2	3C137255.D	1	05/16/17	PS	n/a	n/a	V3C6232

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-1, JC43253-2, JC43253-3, JC43253-4, JC43253-5, JC43253-6

CAS No.	Compound	JC43253-2 ug/kg	DUP Q	ug/kg	Q	RPD	Limits
67-64-1	Acetone	6.9	J	ND		200* a	35
71-43-2	Benzene	ND		ND		nc	17
74-97-5	Bromochloromethane	ND		ND		nc	30
75-27-4	Bromodichloromethane	ND		ND		nc	30
75-25-2	Bromoform	ND		ND		nc	30
74-83-9	Bromomethane	ND		ND		nc	30
78-93-3	2-Butanone (MEK)	ND		ND		nc	30
75-15-0	Carbon disulfide	ND		ND		nc	20
56-23-5	Carbon tetrachloride	ND		ND		nc	30
108-90-7	Chlorobenzene	ND		ND		nc	30
75-00-3	Chloroethane	ND		ND		nc	30
67-66-3	Chloroform	ND		ND		nc	30
74-87-3	Chloromethane	ND		ND		nc	30
110-82-7	Cyclohexane	ND		ND		nc	30
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	30
124-48-1	Dibromochloromethane	ND		ND		nc	30
106-93-4	1,2-Dibromoethane	ND		ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	30
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	30
75-71-8	Dichlorodifluoromethane	ND		ND		nc	30
75-34-3	1,1-Dichloroethane	ND		ND		nc	30
107-06-2	1,2-Dichloroethane	ND		ND		nc	30
75-35-4	1,1-Dichloroethene	ND		ND		nc	30
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	30
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	30
78-87-5	1,2-Dichloropropane	ND		ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	23
76-13-1	Freon 113	ND		ND		nc	30
591-78-6	2-Hexanone	ND		ND		nc	30
98-82-8	Isopropylbenzene	0.19	J	ND		200* a	22
79-20-9	Methyl Acetate	ND		ND		nc	30
108-87-2	Methylcyclohexane	ND		ND		nc	18
1634-04-4	Methyl Tert Butyl Ether	0.31	J	ND		200* a	30

* = Outside of Control Limits.

Duplicate Summary

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43253-2DUP	3C137257.D	1	05/16/17	PS	n/a	n/a	V3C6232
JC43253-2	3C137255.D	1	05/16/17	PS	n/a	n/a	V3C6232

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-1, JC43253-2, JC43253-3, JC43253-4, JC43253-5, JC43253-6

CAS No.	Compound	JC43253-2 ug/kg	DUP Q	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	ND		nc	30
75-09-2	Methylene chloride	ND	ND		nc	37
100-42-5	Styrene	ND	ND		nc	30
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND		nc	30
127-18-4	Tetrachloroethene	ND	ND		nc	30
108-88-3	Toluene	ND	ND		nc	22
87-61-6	1,2,3-Trichlorobenzene	ND	ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND	ND		nc	30
71-55-6	1,1,1-Trichloroethane	ND	ND		nc	30
79-00-5	1,1,2-Trichloroethane	ND	ND		nc	30
79-01-6	Trichloroethene	ND	ND		nc	17
75-69-4	Trichlorofluoromethane	ND	ND		nc	30
75-01-4	Vinyl chloride	ND	ND		nc	30
	m,p-Xylene	ND	0.25	J	200* a	20
95-47-6	o-Xylene	ND	ND		nc	19
1330-20-7	Xylene (total)	ND	0.25	J	200* a	21

CAS No.	Surrogate Recoveries	DUP	JC43253-2	Limits
1868-53-7	Dibromofluoromethane	100%	101%	70-122%
17060-07-0	1,2-Dichloroethane-D4	96%	99%	68-124%
2037-26-5	Toluene-D8	95%	96%	77-125%
460-00-4	4-Bromofluorobenzene	102%	100%	72-130%

(a) High RPD due to possible sample nonhomogeneity.

* = Outside of Control Limits.

Duplicate Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43677-2DUP	3B137446.D	1	05/20/17	VC	n/a	n/a	V3B6093
JC43677-2	3B137435.D	1	05/20/17	VC	n/a	n/a	V3B6093

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-10

CAS No.	Compound	JC43677-2 ug/l	DUP Q ug/l	Q	RPD	Limits
67-64-1	Acetone	ND	ND		nc	20
71-43-2	Benzene	ND	ND		nc	20
74-97-5	Bromochloromethane	ND	ND		nc	20
75-27-4	Bromodichloromethane	ND	ND		nc	20
75-25-2	Bromoform	ND	ND		nc	20
74-83-9	Bromomethane	ND	ND		nc	20
78-93-3	2-Butanone (MEK)	ND	ND		nc	20
75-15-0	Carbon disulfide	ND	ND		nc	20
56-23-5	Carbon tetrachloride	ND	ND		nc	20
108-90-7	Chlorobenzene	ND	ND		nc	20
75-00-3	Chloroethane	ND	ND		nc	20
67-66-3	Chloroform	ND	ND		nc	20
74-87-3	Chloromethane	ND	ND		nc	20
110-82-7	Cyclohexane	ND	ND		nc	20
96-12-8	1,2-Dibromo-3-chloropropane	ND	ND		nc	20
124-48-1	Dibromochloromethane	ND	ND		nc	20
106-93-4	1,2-Dibromoethane	ND	ND		nc	20
95-50-1	1,2-Dichlorobenzene	ND	ND		nc	20
541-73-1	1,3-Dichlorobenzene	ND	ND		nc	20
106-46-7	1,4-Dichlorobenzene	ND	ND		nc	20
75-71-8	Dichlorodifluoromethane	ND	ND		nc	20
75-34-3	1,1-Dichloroethane	ND	ND		nc	20
107-06-2	1,2-Dichloroethane	ND	ND		nc	20
75-35-4	1,1-Dichloroethene	ND	ND		nc	20
156-59-2	cis-1,2-Dichloroethene	ND	ND		nc	20
156-60-5	trans-1,2-Dichloroethene	ND	ND		nc	20
78-87-5	1,2-Dichloropropane	ND	ND		nc	20
10061-01-5	cis-1,3-Dichloropropene	ND	ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND	ND		nc	20
100-41-4	Ethylbenzene	ND	ND		nc	20
76-13-1	Freon 113	ND	ND		nc	20
591-78-6	2-Hexanone	ND	ND		nc	20
98-82-8	Isopropylbenzene	ND	ND		nc	20
79-20-9	Methyl Acetate	ND	ND		nc	20
108-87-2	Methylcyclohexane	ND	ND		nc	20
1634-04-4	Methyl Tert Butyl Ether	ND	ND		nc	20

* = Outside of Control Limits.

Duplicate Summary

Page 2 of 2

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43677-2DUP	3B137446.D	1	05/20/17	VC	n/a	n/a	V3B6093
JC43677-2	3B137435.D	1	05/20/17	VC	n/a	n/a	V3B6093

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43253-10

CAS No.	Compound	JC43677-2 ug/l	DUP Q ug/l	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	ND		nc	20
75-09-2	Methylene chloride	ND	ND		nc	20
100-42-5	Styrene	ND	ND		nc	20
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND		nc	20
127-18-4	Tetrachloroethene	ND	ND		nc	20
108-88-3	Toluene	ND	ND		nc	20
87-61-6	1,2,3-Trichlorobenzene	ND	ND		nc	20
120-82-1	1,2,4-Trichlorobenzene	ND	ND		nc	20
71-55-6	1,1,1-Trichloroethane	ND	ND		nc	20
79-00-5	1,1,2-Trichloroethane	ND	ND		nc	20
79-01-6	Trichloroethene	ND	ND		nc	20
75-69-4	Trichlorofluoromethane	ND	ND		nc	20
75-01-4	Vinyl chloride	ND	ND		nc	20
	m,p-Xylene	ND	ND		nc	20
95-47-6	o-Xylene	ND	ND		nc	20
1330-20-7	Xylene (total)	ND	ND		nc	20

CAS No.	Surrogate Recoveries	DUP	JC43677-2	Limits
1868-53-7	Dibromofluoromethane	104%	111%	76-120%
17060-07-0	1,2-Dichloroethane-D4	101%	112%	73-122%
2037-26-5	Toluene-D8	95%	95%	84-119%
460-00-4	4-Bromofluorobenzene	96%	94%	78-117%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: V2A7535-BFB
Lab File ID: 2A178018A.D
Instrument ID: GCMS2A
Injection Date: 04/26/17
Injection Time: 15:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	19799	20.1	Pass
75	30.0 - 60.0% of mass 95	46637	47.4	Pass
95	Base peak, 100% relative abundance	98402	100.0	Pass
96	5.0 - 9.0% of mass 95	6420	6.52	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	90914	92.4	Pass
175	5.0 - 9.0% of mass 174	6738	6.85 (7.41) ^a	Pass
176	95.0 - 101.0% of mass 174	88632	90.1 (97.5) ^a	Pass
177	5.0 - 9.0% of mass 176	5818	5.91 (6.56) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A7535-IC7535	2A178019.D	04/26/17	16:25	01:23	Initial cal 0.2
V2A7535-IC7535	2A178020.D	04/26/17	16:55	01:53	Initial cal 0.5
V2A7535-IC7535	2A178021.D	04/26/17	17:24	02:22	Initial cal 1
V2A7535-IC7535	2A178022.D	04/26/17	17:53	02:51	Initial cal 2
V2A7535-IC7535	2A178023.D	04/26/17	18:22	03:20	Initial cal 5
V2A7535-IC7535	2A178024.D	04/26/17	18:50	03:48	Initial cal 10
V2A7535-IC7535	2A178025.D	04/26/17	19:19	04:17	Initial cal 20
V2A7535-ICC7535	2A178026.D	04/26/17	19:48	04:46	Initial cal 50
V2A7535-IC7535	2A178027.D	04/26/17	20:17	05:15	Initial cal 100
V2A7535-IC7535	2A178028.D	04/26/17	20:45	05:43	Initial cal 200
V2A7535-ICV7535	2A178031.D	04/26/17	22:12	07:10	Initial cal verification 50
V2A7535-ICV7535	2A178032.D	04/26/17	22:40	07:38	Initial cal verification 50

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: V2A7563-BFB **Injection Date:** 05/19/17
Lab File ID: 2A178732.D **Injection Time:** 11:44
Instrument ID: GCMS2A

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	22026	18.1	Pass
75	30.0 - 60.0% of mass 95	56824	46.7	Pass
95	Base peak, 100% relative abundance	121701	100.0	Pass
96	5.0 - 9.0% of mass 95	7986	6.56	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	101690	83.6	Pass
175	5.0 - 9.0% of mass 174	7493	6.16 (7.37) ^a	Pass
176	95.0 - 101.0% of mass 174	98680	81.1 (97.0) ^a	Pass
177	5.0 - 9.0% of mass 176	6650	5.46 (6.74) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A7563-CC7535	2A178733.D	05/19/17	12:13	00:29	Continuing cal 20
V2A7563-MB	2A178734.D	05/19/17	13:09	01:25	Method Blank
V2A7563-BS	2A178735.D	05/19/17	13:38	01:54	Blank Spike
ZZZZZZ	2A178736.D	05/19/17	14:56	03:12	(unrelated sample)
JC43262-4	2A178737.D	05/19/17	15:36	03:52	(used for QC only; not part of job JC43253)
ZZZZZZ	2A178738.D	05/19/17	16:05	04:21	(unrelated sample)
JC43253-9	2A178739.D	05/19/17	16:33	04:49	B-11GW
ZZZZZZ	2A178739A.D	05/19/17	17:02	05:18	(unrelated sample)
ZZZZZZ	2A178746.D	05/19/17	20:23	08:39	(unrelated sample)
ZZZZZZ	2A178747.D	05/19/17	20:52	09:08	(unrelated sample)
ZZZZZZ	2A178748.D	05/19/17	21:21	09:37	(unrelated sample)
JC43253-8	2A178749.D	05/19/17	21:50	10:06	B-10GW
JC43253-9	2A178750.D	05/19/17	22:18	10:34	B-11GW
ZZZZZZ	2A178751.D	05/19/17	22:47	11:03	(unrelated sample)
ZZZZZZ	2A178752.D	05/19/17	23:16	11:32	(unrelated sample)

Instrument Performance Check (BFB)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: V2A7565-BFB **Injection Date:** 05/23/17
Lab File ID: 2A178795A.D **Injection Time:** 09:40
Instrument ID: GCMS2A

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	20688	18.0	Pass
75	30.0 - 60.0% of mass 95	53637	46.6	Pass
95	Base peak, 100% relative abundance	115205	100.0	Pass
96	5.0 - 9.0% of mass 95	7920	6.87	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	100034	86.8	Pass
175	5.0 - 9.0% of mass 174	7539	6.54 (7.54) ^a	Pass
176	95.0 - 101.0% of mass 174	98618	85.6 (98.6) ^a	Pass
177	5.0 - 9.0% of mass 176	6442	5.59 (6.53) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2A7565-CC7535	2A178795.D	05/23/17	09:40	00:00	Continuing cal 20
V2A7563-MB2	2A178797A.D	05/23/17	11:18	01:38	Method Blank
V2A7565-MB	2A178797.D	05/23/17	11:18	01:38	Method Blank
V2A7565-BS	2A178798.D	05/23/17	12:22	02:42	Blank Spike
V2A7563-BS2	2A178798A.D	05/23/17	12:22	02:42	Blank Spike
V2A7564-BS	2A178798.D	05/23/17	12:22	02:42	Blank Spike
JC43262-4MS	2A178799.D	05/23/17	14:31	04:51	Matrix Spike
JC43262-4MSD	2A178800.D	05/23/17	15:00	05:20	Matrix Spike Duplicate
ZZZZZZ	2A178817.D	05/23/17	23:43	14:03	(unrelated sample)

Instrument Performance Check (BFB)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: V2C6639-BFB **Injection Date:** 05/15/17
Lab File ID: 2C149544.D **Injection Time:** 15:40
Instrument ID: GCMS2C

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	21789	19.7	Pass
75	30.0 - 60.0% of mass 95	54794	49.6	Pass
95	Base peak, 100% relative abundance	110416	100.0	Pass
96	5.0 - 9.0% of mass 95	7446	6.74	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	120378	109.0	Pass
175	5.0 - 9.0% of mass 174	9189	8.32 (7.63) ^a	Pass
176	95.0 - 101.0% of mass 174	117885	106.8 (97.9) ^a	Pass
177	5.0 - 9.0% of mass 176	7814	7.08 (6.63) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2C6639-IC6639	2C149545.D	05/15/17	16:52	01:12	Initial cal 0.2
V2C6639-IC6639	2C149546.D	05/15/17	17:21	01:41	Initial cal 0.5
V2C6639-IC6639	2C149547.D	05/15/17	17:49	02:09	Initial cal 1
V2C6639-IC6639	2C149548.D	05/15/17	18:18	02:38	Initial cal 2
V2C6639-IC6639	2C149549.D	05/15/17	18:47	03:07	Initial cal 5
V2C6639-IC6639	2C149550.D	05/15/17	19:15	03:35	Initial cal 10
V2C6639-IC6639	2C149551.D	05/15/17	19:44	04:04	Initial cal 20
V2C6639-ICC6639	2C149552.D	05/15/17	20:13	04:33	Initial cal 50
V2C6639-IC6639	2C149553.D	05/15/17	20:42	05:02	Initial cal 100
V2C6639-IC6639	2C149554.D	05/15/17	21:10	05:30	Initial cal 200
V2C6639-ICV6639	2C149557.D	05/15/17	22:36	06:56	Initial cal verification 50
V2C6639-ICV6639	2C149558.D	05/15/17	23:05	07:25	Initial cal verification 50

Instrument Performance Check (BFB)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: V2C6642-BFB **Injection Date:** 05/17/17
Lab File ID: 2C149610A.D **Injection Time:** 07:50
Instrument ID: GCMS2C

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	26576	21.0	Pass
75	30.0 - 60.0% of mass 95	64536	51.1	Pass
95	Base peak, 100% relative abundance	126416	100.0	Pass
96	5.0 - 9.0% of mass 95	8195	6.48	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	136978	108.4	Pass
175	5.0 - 9.0% of mass 174	11013	8.71 (8.04) ^a	Pass
176	95.0 - 101.0% of mass 174	135936	107.5 (99.2) ^a	Pass
177	5.0 - 9.0% of mass 176	9052	7.16 (6.66) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2C6642-CC6639	2C149610.D	05/17/17	07:50	00:00	Continuing cal 20
V2C6642-MB	2C149612.D	05/17/17	09:00	01:10	Method Blank
V2C6642-BS	2C149613.D	05/17/17	09:29	01:39	Blank Spike
JC43234-14	2C149615.D	05/17/17	10:26	02:36	(used for QC only; not part of job JC43253)
ZZZZZZ	2C149616.D	05/17/17	10:55	03:05	(unrelated sample)
ZZZZZZ	2C149617.D	05/17/17	11:24	03:34	(unrelated sample)
ZZZZZZ	2C149618.D	05/17/17	11:53	04:03	(unrelated sample)
ZZZZZZ	2C149619.D	05/17/17	12:21	04:31	(unrelated sample)
ZZZZZZ	2C149620.D	05/17/17	12:50	05:00	(unrelated sample)
ZZZZZZ	2C149621.D	05/17/17	13:19	05:29	(unrelated sample)
JC43234-14MS	2C149622.D	05/17/17	13:48	05:58	Matrix Spike
JC43234-14MSD	2C149623.D	05/17/17	14:16	06:26	Matrix Spike Duplicate
JC43253-11	2C149625.D	05/17/17	15:14	07:24	TB
JC43253-7	2C149626.D	05/17/17	15:43	07:53	B-9GW
ZZZZZZ	2C149628.D	05/17/17	16:36	08:46	(unrelated sample)
ZZZZZZ	2C149629.D	05/17/17	17:05	09:15	(unrelated sample)
ZZZZZZ	2C149630.D	05/17/17	17:34	09:44	(unrelated sample)
ZZZZZZ	2C149631.D	05/17/17	18:02	10:12	(unrelated sample)
ZZZZZZ	2C149633.D	05/17/17	19:00	11:10	(unrelated sample)

Instrument Performance Check (BFB)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: V3B5999-BFB
Lab File ID: 3B135068.D
Instrument ID: GCMS3B
Injection Date: 03/02/17
Injection Time: 15:57

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	11859	17.6	Pass
75	30.0 - 60.0% of mass 95	31005	46.0	Pass
95	Base peak, 100% relative abundance	67445	100.0	Pass
96	5.0 - 9.0% of mass 95	4204	6.23	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 150.0% of mass 95	62291	92.4	Pass
175	5.0 - 9.0% of mass 174	4618	6.85 (7.41) ^a	Pass
176	95.0 - 101.0% of mass 174	60531	89.7 (97.2) ^a	Pass
177	5.0 - 9.0% of mass 176	4139	6.14 (6.84) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3B5999-IC5999	3B135069.D	03/02/17	16:44	00:47	Initial cal 0.2
V3B5999-IC5999	3B135070.D	03/02/17	17:13	01:16	Initial cal 0.5
V3B5999-IC5999	3B135071.D	03/02/17	17:41	01:44	Initial cal 1
V3B5999-IC5999	3B135072.D	03/02/17	18:09	02:12	Initial cal 2
V3B5999-IC5999	3B135073.D	03/02/17	18:38	02:41	Initial cal 5
V3B5999-IC5999	3B135074.D	03/02/17	19:06	03:09	Initial cal 10
V3B5999-IC5999	3B135075.D	03/02/17	19:34	03:37	Initial cal 20
V3B5999-ICC5999	3B135076.D	03/02/17	20:03	04:06	Initial cal 50
V3B5999-IC5999	3B135077.D	03/02/17	20:31	04:34	Initial cal 100
V3B5999-IC5999	3B135078.D	03/02/17	21:00	05:03	Initial cal 200
V3B5999-ICV5999	3B135081.D	03/02/17	22:25	06:28	Initial cal verification 50

Instrument Performance Check (BFB)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: V3B6093-BFB
Lab File ID: 3B137424A.D
Instrument ID: GCMS3B
Injection Date: 05/20/17
Injection Time: 09:20

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	11978	19.0	Pass
75	30.0 - 60.0% of mass 95	29568	46.9	Pass
95	Base peak, 100% relative abundance	63085	100.0	Pass
96	5.0 - 9.0% of mass 95	4177	6.62	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 150.0% of mass 95	61872	98.1	Pass
175	5.0 - 9.0% of mass 174	4756	7.54 (7.69) ^a	Pass
176	95.0 - 101.0% of mass 174	60640	96.1 (98.0) ^a	Pass
177	5.0 - 9.0% of mass 176	4242	6.72 (7.00) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3B6093-CC5999	3B137424.D	05/20/17	09:20	00:00	Continuing cal 20
V3B6093-MB	3B137425.D	05/20/17	09:48	00:28	Method Blank
V3B6093-BS	3B137426.D	05/20/17	10:16	00:56	Blank Spike
ZZZZZZ	3B137428.D	05/20/17	11:27	02:07	(unrelated sample)
JC43253-10	3B137429.D	05/20/17	11:55	02:35	B-13GW
ZZZZZZ	3B137430.D	05/20/17	12:24	03:04	(unrelated sample)
ZZZZZZ	3B137433.D	05/20/17	14:19	04:59	(unrelated sample)
JC43677-1	3B137434.D	05/20/17	14:48	05:28	(used for QC only; not part of job JC43253)
JC43677-2	3B137435.D	05/20/17	15:16	05:56	(used for QC only; not part of job JC43253)
ZZZZZZ	3B137436.D	05/20/17	15:44	06:24	(unrelated sample)
JC43612-1	3B137437.D	05/20/17	16:21	07:01	(used for QC only; not part of job JC43253)
ZZZZZZ	3B137438.D	05/20/17	16:50	07:30	(unrelated sample)
ZZZZZZ	3B137439.D	05/20/17	17:18	07:58	(unrelated sample)
ZZZZZZ	3B137440.D	05/20/17	17:48	08:28	(unrelated sample)
ZZZZZZ	3B137441.D	05/20/17	18:16	08:56	(unrelated sample)
ZZZZZZ	3B137442.D	05/20/17	18:45	09:25	(unrelated sample)
ZZZZZZ	3B137443.D	05/20/17	19:13	09:53	(unrelated sample)
JC43612-1MS	3B137444.D	05/20/17	19:41	10:21	Matrix Spike
JC43677-2DUP	3B137446.D	05/20/17	20:38	11:18	Duplicate

Instrument Performance Check (BFB)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: V3C6224-BFB **Injection Date:** 05/08/17
Lab File ID: 3C137079.D **Injection Time:** 17:53
Instrument ID: GCMS3C

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	14774	19.9	Pass
75	30.0 - 60.0% of mass 95	37248	50.3	Pass
95	Base peak, 100% relative abundance	74090	100.0	Pass
96	5.0 - 9.0% of mass 95	4982	6.72	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	63464	85.7	Pass
175	5.0 - 9.0% of mass 174	4934	6.66 (7.77) ^a	Pass
176	95.0 - 101.0% of mass 174	62549	84.4 (98.6) ^a	Pass
177	5.0 - 9.0% of mass 176	4118	5.56 (6.58) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C6224-IC6224	3C137080.D	05/08/17	18:27	00:34	Initial cal 0.2
V3C6224-IC6224	3C137081.D	05/08/17	18:55	01:02	Initial cal 0.5
V3C6224-IC6224	3C137082.D	05/08/17	19:23	01:30	Initial cal 1
V3C6224-IC6224	3C137083.D	05/08/17	19:51	01:58	Initial cal 2
V3C6224-IC6224	3C137084.D	05/08/17	20:19	02:26	Initial cal 4
V3C6224-IC6224	3C137085.D	05/08/17	20:47	02:54	Initial cal 8
V3C6224-IC6224	3C137086.D	05/08/17	21:15	03:22	Initial cal 20
V3C6224-ICC6224	3C137087.D	05/08/17	21:43	03:50	Initial cal 50
V3C6224-IC6224	3C137088.D	05/08/17	22:11	04:18	Initial cal 100
V3C6224-IC6224	3C137089.D	05/08/17	22:39	04:46	Initial cal 200
V3C6224-ICV6224	3C137092.D	05/09/17	00:03	06:10	Initial cal verification 50
V3C6224-ICV6224	3C137093.D	05/09/17	00:31	06:38	Initial cal verification 50

Instrument Performance Check (BFB)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: V3C6232-BFB **Injection Date:** 05/16/17
Lab File ID: 3C137250A.D **Injection Time:** 09:49
Instrument ID: GCMS3C

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	14115	19.5	Pass
75	30.0 - 60.0% of mass 95	35029	48.5	Pass
95	Base peak, 100% relative abundance	72229	100.0	Pass
96	5.0 - 9.0% of mass 95	4963	6.87	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	61965	85.8	Pass
175	5.0 - 9.0% of mass 174	4408	6.10 (7.11) ^a	Pass
176	95.0 - 101.0% of mass 174	60291	83.5 (97.3) ^a	Pass
177	5.0 - 9.0% of mass 176	3969	5.50 (6.58) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C6232-CC6224	3C137250.D	05/16/17	09:49	00:00	Continuing cal 20
ZZZZZZ	3C137251A.D	05/16/17	10:25	00:36	(unrelated sample)
V3C6232-MB	3C137251.D	05/16/17	10:25	00:36	Method Blank
V3C6232-BS	3C137252.D	05/16/17	11:08	01:19	Blank Spike
JC43253-1	3C137254.D	05/16/17	12:18	02:29	B-9
JC43253-2	3C137255.D	05/16/17	12:46	02:57	B-10
JC43253-6	3C137256.D	05/16/17	13:15	03:26	B-13
JC43253-2DUP	3C137257.D	05/16/17	13:43	03:54	Duplicate
JC43253-5	3C137258.D	05/16/17	14:11	04:22	B-12A
JC43253-4	3C137259.D	05/16/17	14:39	04:50	B-12
JC43253-3	3C137260.D	05/16/17	15:07	05:18	B-11
JC43253-1MS	3C137261.D	05/16/17	15:35	05:46	Matrix Spike
ZZZZZZ	3C137263.D	05/16/17	16:31	06:42	(unrelated sample)
ZZZZZZ	3C137264.D	05/16/17	17:00	07:11	(unrelated sample)
ZZZZZZ	3C137265.D	05/16/17	17:27	07:38	(unrelated sample)
ZZZZZZ	3C137266.D	05/16/17	17:56	08:07	(unrelated sample)
ZZZZZZ	3C137267.D	05/16/17	18:24	08:35	(unrelated sample)
ZZZZZZ	3C137268.D	05/16/17	18:52	09:03	(unrelated sample)
ZZZZZZ	3C137269.D	05/16/17	19:19	09:30	(unrelated sample)
ZZZZZZ	3C137270.D	05/16/17	19:47	09:58	(unrelated sample)
ZZZZZZ	3C137271.D	05/16/17	20:15	10:26	(unrelated sample)
ZZZZZZ	3C137272.D	05/16/17	20:43	10:54	(unrelated sample)
ZZZZZZ	3C137273.D	05/16/17	21:11	11:22	(unrelated sample)

Instrument Performance Check (BFB)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: VD10071-BFB **Injection Date:** 05/04/17
Lab File ID: D249458.D **Injection Time:** 13:42
Instrument ID: GCMSD

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	14342	18.9	Pass
75	30.0 - 60.0% of mass 95	37429	49.3	Pass
95	Base peak, 100% relative abundance	75866	100.0	Pass
96	5.0 - 9.0% of mass 95	5130	6.76	Pass
173	Less than 2.0% of mass 174	214	0.28 (0.33) ^a	Pass
174	50.0 - 150.0% of mass 95	64482	85.0	Pass
175	5.0 - 9.0% of mass 174	4833	6.37 (7.50) ^a	Pass
176	95.0 - 101.0% of mass 174	63509	83.7 (98.5) ^a	Pass
177	5.0 - 9.0% of mass 176	4265	5.62 (6.72) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VD10071-IC10071	D249459.D	05/04/17	14:14	00:32	Initial cal 0.2
VD10071-IC10071	D249460.D	05/04/17	14:42	01:00	Initial cal 0.5
VD10071-IC10071	D249461.D	05/04/17	15:10	01:28	Initial cal 1
VD10071-IC10071	D249462.D	05/04/17	15:38	01:56	Initial cal 2
VD10071-IC10071	D249463.D	05/04/17	16:06	02:24	Initial cal 4
VD10071-IC10071	D249464.D	05/04/17	16:34	02:52	Initial cal 8
VD10071-IC10071	D249465.D	05/04/17	17:02	03:20	Initial cal 20
VD10071-ICC10071	D249466.D	05/04/17	17:30	03:48	Initial cal 50
VD10071-IC10071	D249467.D	05/04/17	17:58	04:16	Initial cal 100
VD10071-IC10071	D249468.D	05/04/17	18:26	04:44	Initial cal 200
VD10071-ICV10071	D249471.D	05/04/17	19:50	06:08	Initial cal verification 50
VD10071-ICV10071	D249472.D	05/04/17	20:18	06:36	Initial cal verification 50

Instrument Performance Check (BFB)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: VD10081-BFB **Injection Date:** 05/17/17
Lab File ID: D249747.D **Injection Time:** 07:18
Instrument ID: GCMSD

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	17086	20.0	Pass
75	30.0 - 60.0% of mass 95	42528	49.9	Pass
95	Base peak, 100% relative abundance	85243	100.0	Pass
96	5.0 - 9.0% of mass 95	5972	7.01	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 150.0% of mass 95	70659	82.9	Pass
175	5.0 - 9.0% of mass 174	5309	6.23 (7.51) ^a	Pass
176	95.0 - 101.0% of mass 174	67931	79.7 (96.1) ^a	Pass
177	5.0 - 9.0% of mass 176	4439	5.21 (6.53) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VD10081-CC10071	D249748.D	05/17/17	07:55	00:37	Continuing cal 20
VD10080-MB2	D249750B.D	05/17/17	09:03	01:45	Method Blank
VD10081-MB	D249750.D	05/17/17	09:03	01:45	Method Blank
ZZZZZZ	D249750A.D	05/17/17	09:03	01:45	(unrelated sample)
VD10080-BS2	D249751A.D	05/17/17	09:31	02:13	Blank Spike
VD10081-BS	D249751.D	05/17/17	09:31	02:13	Blank Spike
JC43218-2MSD	D249752.D	05/17/17	10:15	02:57	Matrix Spike Duplicate
JC43253-3	D249754.D	05/17/17	11:48	04:30	B-11
JC43101-1	D249757.D	05/17/17	13:20	06:02	(used for QC only; not part of job JC43253)
ZZZZZZ	D249759.D	05/17/17	14:19	07:01	(unrelated sample)
JC43101-1MS	D249760A.D	05/17/17	15:37	08:19	Matrix Spike
JC43101-1MSD	D249761.D	05/17/17	16:06	08:48	Matrix Spike Duplicate
ZZZZZZ	D249763.D	05/17/17	17:02	09:44	(unrelated sample)
ZZZZZZ	D249764.D	05/17/17	17:30	10:12	(unrelated sample)
ZZZZZZ	D249765.D	05/17/17	17:58	10:40	(unrelated sample)
ZZZZZZ	D249766.D	05/17/17	18:26	11:08	(unrelated sample)
ZZZZZZ	D249767.D	05/17/17	18:54	11:36	(unrelated sample)

Volatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Method: SW846 8260C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JC43253-7	2C149626.D	102	107	98	96
JC43253-8	2A178749.D	104	96	102	104
JC43253-9	2A178750.D	103	98	102	104
JC43253-9	2A178739.D	104	97	102	104
JC43253-10	3B137429.D	112	115	95	97
JC43253-11	2C149625.D	101	104	99	97
JC43234-14MS	2C149622.D	103	102	97	98
JC43234-14MSD	2C149623.D	101	99	97	100
JC43262-4MS	2A178799.D	105	96	100	103
JC43262-4MSD	2A178800.D	103	97	100	103
JC43612-1MS	3B137444.D	104	98	97	100
JC43677-2DUP	3B137446.D	104	101	95	96
V2A7563-BS	2A178735.D	103	95	102	102
V2A7563-MB	2A178734.D	102	97	101	103
V2C6642-BS	2C149613.D	101	99	97	98
V2C6642-MB	2C149612.D	99	105	97	95
V3B6093-BS	3B137426.D	106	107	95	96
V3B6093-MB	3B137425.D	109	110	97	95
V2A7563-MB2	2A178797A.D	104	98	99	104

Surrogate CompoundsRecovery Limits

S1 = Dibromofluoromethane	76-120%
S2 = 1,2-Dichloroethane-D4	73-122%
S3 = Toluene-D8	84-119%
S4 = 4-Bromofluorobenzene	78-117%

5.7.1

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Volatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JC43253

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Method: SW846 8260C

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JC43253-1	3C137254.D	102	101	94	102
JC43253-2	3C137255.D	101	99	96	100
JC43253-3	3C137260.D	101	96	96	103
JC43253-3	D249754.D	103	104	102	105
JC43253-4	3C137259.D	101	100	101	106
JC43253-5	3C137258.D	103	100	94	102
JC43253-6	3C137256.D	103	100	95	101
JC43101-1MS	D249760A.D	104	132* a	122	107
JC43101-1MSD	D249761.D	103	129* a	105	109
JC43253-1MS	3C137261.D	98	91	100	104
JC43253-2DUP	3C137257.D	100	96	95	102
V3C6232-BS	3C137252.D	100	99	99	103
V3C6232-MB	3C137251.D	100	98	97	102
VD10081-BS	D249751.D	101	99	101	101
VD10081-MB	D249750.D	98	99	99	104

Surrogate Compounds

Recovery Limits

S1 = Dibromofluoromethane

70-122%

S2 = 1,2-Dichloroethane-D4

68-124%

S3 = Toluene-D8

77-125%

S4 = 4-Bromofluorobenzene

72-130%

(a) Outside control limits due to matrix interference.

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Surrogate Recovery Summaries

Method Blank Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-MB1	F167287.D	1	05/16/17	CS	05/16/17	OP2859	EF7072

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	67	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	28	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	36	ug/kg	
95-48-7	2-Methylphenol	ND	67	21	ug/kg	
	3&4-Methylphenol	ND	67	27	ug/kg	
88-75-5	2-Nitrophenol	ND	170	22	ug/kg	
100-02-7	4-Nitrophenol	ND	330	89	ug/kg	
87-86-5	Pentachlorophenol	ND	130	31	ug/kg	
108-95-2	Phenol	ND	67	17	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	25	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	33	11	ug/kg	
208-96-8	Acenaphthylene	ND	33	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.2	ug/kg	
120-12-7	Anthracene	ND	33	20	ug/kg	
1912-24-9	Atrazine	ND	67	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	8.1	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	4.6	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	7.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	67	4.8	ug/kg	
105-60-2	Caprolactam	ND	67	13	ug/kg	
218-01-9	Chrysene	ND	33	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	7.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	14	ug/kg	

Method Blank Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-MB1	F167287.D	1	05/16/17	CS	05/16/17	OP2859	EF7072

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	10	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	28	ug/kg	
123-91-1	1,4-Dioxane	ND	33	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	15	ug/kg	
132-64-9	Dibenzofuran	ND	67	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	5.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	8.3	ug/kg	
84-66-2	Diethyl phthalate	ND	67	7.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	5.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	7.8	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	8.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	13	ug/kg	
67-72-1	Hexachloroethane	ND	170	16	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	16	ug/kg	
78-59-1	Isophorone	ND	67	7.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	7.5	ug/kg	
88-74-4	2-Nitroaniline	ND	170	7.9	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.3	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.6	ug/kg	
91-20-3	Naphthalene	ND	33	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	67	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	9.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	ND	33	11	ug/kg	
129-00-0	Pyrene	ND	33	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.5	ug/kg	

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-MB1	F167287.D	1	05/16/17	CS	05/16/17	OP2859	EF7072

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	81% 23-115%
4165-62-2	Phenol-d5	80% 27-114%
118-79-6	2,4,6-Tribromophenol	87% 19-152%
4165-60-0	Nitrobenzene-d5	112% 26-134%
321-60-8	2-Fluorobiphenyl	93% 39-124%
1718-51-0	Terphenyl-d14	122% 36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.88	160	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

Method Blank Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-MB1	3E93644.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	67	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	28	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	36	ug/kg	
95-48-7	2-Methylphenol	ND	67	21	ug/kg	
	3&4-Methylphenol	ND	67	27	ug/kg	
88-75-5	2-Nitrophenol	ND	170	22	ug/kg	
100-02-7	4-Nitrophenol	ND	330	89	ug/kg	
87-86-5	Pentachlorophenol	ND	130	31	ug/kg	
108-95-2	Phenol	ND	67	17	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	25	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	33	11	ug/kg	
208-96-8	Acenaphthylene	ND	33	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.2	ug/kg	
120-12-7	Anthracene	ND	33	20	ug/kg	
1912-24-9	Atrazine	ND	67	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	8.1	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	4.6	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	7.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	67	4.8	ug/kg	
105-60-2	Caprolactam	ND	67	13	ug/kg	
218-01-9	Chrysene	ND	33	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	7.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	14	ug/kg	

Method Blank Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-MB1	3E93644.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	10	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	28	ug/kg	
123-91-1	1,4-Dioxane	ND	33	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	15	ug/kg	
132-64-9	Dibenzofuran	ND	67	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	5.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	8.3	ug/kg	
84-66-2	Diethyl phthalate	ND	67	7.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	5.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	7.8	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	8.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	13	ug/kg	
67-72-1	Hexachloroethane	ND	170	16	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	16	ug/kg	
78-59-1	Isophorone	ND	67	7.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	7.5	ug/kg	
88-74-4	2-Nitroaniline	ND	170	7.9	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.3	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.6	ug/kg	
91-20-3	Naphthalene	ND	33	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	67	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	9.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	ND	33	11	ug/kg	
129-00-0	Pyrene	ND	33	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.5	ug/kg	

Method Blank Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-MB1	3E93644.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	89% 23-115%
4165-62-2	Phenol-d5	88% 27-114%
118-79-6	2,4,6-Tribromophenol	105% 19-152%
4165-60-0	Nitrobenzene-d5	90% 26-134%
321-60-8	2-Fluorobiphenyl	95% 39-124%
1718-51-0	Terphenyl-d14	121% 36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.65	150	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

Method Blank Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-MB1	P114066.D	1	05/22/17	RL	05/16/17	OP2859	EP5091

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	67	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	28	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	36	ug/kg	
95-48-7	2-Methylphenol	ND	67	21	ug/kg	
	3&4-Methylphenol	ND	67	27	ug/kg	
88-75-5	2-Nitrophenol	ND	170	22	ug/kg	
100-02-7	4-Nitrophenol	ND	330	89	ug/kg	
87-86-5	Pentachlorophenol	ND	130	31	ug/kg	
108-95-2	Phenol	ND	67	17	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	25	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	33	11	ug/kg	
208-96-8	Acenaphthylene	ND	33	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.2	ug/kg	
120-12-7	Anthracene	ND	33	20	ug/kg	
1912-24-9	Atrazine	ND	67	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	8.1	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	4.6	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	7.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	67	4.8	ug/kg	
105-60-2	Caprolactam	ND	67	13	ug/kg	
218-01-9	Chrysene	ND	33	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	7.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	14	ug/kg	

Method Blank Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-MB1	P114066.D	1	05/22/17	RL	05/16/17	OP2859	EP5091

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	10	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	28	ug/kg	
123-91-1	1,4-Dioxane	ND	33	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	15	ug/kg	
132-64-9	Dibenzofuran	ND	67	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	5.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	8.3	ug/kg	
84-66-2	Diethyl phthalate	ND	67	7.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	5.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	7.8	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	8.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	13	ug/kg	
67-72-1	Hexachloroethane	ND	170	16	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	16	ug/kg	
78-59-1	Isophorone	ND	67	7.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	7.5	ug/kg	
88-74-4	2-Nitroaniline	ND	170	7.9	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.3	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.6	ug/kg	
91-20-3	Naphthalene	ND	33	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	67	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	9.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	ND	33	11	ug/kg	
129-00-0	Pyrene	ND	33	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.5	ug/kg	

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-MB1	P114066.D	1	05/22/17	RL	05/16/17	OP2859	EP5091

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	86% 23-115%
4165-62-2	Phenol-d5	87% 27-114%
118-79-6	2,4,6-Tribromophenol	95% 19-152%
4165-60-0	Nitrobenzene-d5	88% 26-134%
321-60-8	2-Fluorobiphenyl	94% 39-124%
1718-51-0	Terphenyl-d14	105% 36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.65	180	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2948-MB1	Z121867.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-7, JC43253-8, JC43253-9, JC43253-10

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2948-MB1	Z121867.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-7, JC43253-8, JC43253-9, JC43253-10

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

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2948-MB1	Z121867.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-7, JC43253-8, JC43253-9, JC43253-10

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	44% 10-110%
4165-62-2	Phenol-d5	29% 10-110%
118-79-6	2,4,6-Tribromophenol	85% 36-151%
4165-60-0	Nitrobenzene-d5	77% 34-128%
321-60-8	2-Fluorobiphenyl	71% 38-119%
1718-51-0	Terphenyl-d14	99% 26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	5.75	4.3	ug/l	J
	Internal standard added for SIM test	6.94	4	ug/l	J
	Internal standard added for SIM test	9.47	4.4	ug/l	J
	Internal standard added for SIM test	13.55	6.5	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

Blank Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-BS1	F167288.D	1	05/16/17	CS	05/16/17	OP2859	EF7072

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1670	1190	71	44-122
59-50-7	4-Chloro-3-methyl phenol	1670	1420	85	50-123
120-83-2	2,4-Dichlorophenol	1670	1240	74	48-122
105-67-9	2,4-Dimethylphenol	1670	1290	77	48-124
51-28-5	2,4-Dinitrophenol	3330	3000	90	34-146
534-52-1	4,6-Dinitro-o-cresol	1670	1560	94	49-140
95-48-7	2-Methylphenol	1670	1190	71	40-126
	3&4-Methylphenol	1670	1240	74	40-127
88-75-5	2-Nitrophenol	1670	1230	74	44-133
100-02-7	4-Nitrophenol	1670	1970	118	35-153
87-86-5	Pentachlorophenol	1670	1130	68	15-149
108-95-2	Phenol	1670	1220	73	50-109
58-90-2	2,3,4,6-Tetrachlorophenol	1670	1380	83	44-132
95-95-4	2,4,5-Trichlorophenol	1670	1500	90	45-124
88-06-2	2,4,6-Trichlorophenol	1670	1620	97	57-122
83-32-9	Acenaphthene	1670	1380	83	53-119
208-96-8	Acenaphthylene	1670	1360	82	41-125
98-86-2	Acetophenone	1670	1400	84	52-112
120-12-7	Anthracene	1670	1350	81	51-120
1912-24-9	Atrazine	1670	1920	115	49-139
56-55-3	Benzo(a)anthracene	1670	1520	91	54-118
50-32-8	Benzo(a)pyrene	1670	1620	97	55-121
205-99-2	Benzo(b)fluoranthene	1670	1650	99	57-116
191-24-2	Benzo(g,h,i)perylene	1670	1450	87	40-124
207-08-9	Benzo(k)fluoranthene	1670	1580	95	59-116
101-55-3	4-Bromophenyl phenyl ether	1670	1640	98	60-122
85-68-7	Butyl benzyl phthalate	1670	1550	93	51-134
92-52-4	1,1'-Biphenyl	1670	1370	82	46-122
100-52-7	Benzaldehyde	1670	1000	60	14-139
91-58-7	2-Chloronaphthalene	1670	1430	86	49-120
106-47-8	4-Chloroaniline	1670	713	43	10-115
86-74-8	Carbazole	1670	1310	79	52-124
105-60-2	Caprolactam	1670	1370	82	16-139
218-01-9	Chrysene	1670	1460	88	51-115
111-91-1	bis(2-Chloroethoxy)methane	1670	1180	71	36-131
111-44-4	bis(2-Chloroethyl)ether	1670	1470	88	41-131

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-BS1	F167288.D	1	05/16/17	CS	05/16/17	OP2859	EF7072

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	1670	1370	82	22-134
7005-72-3	4-Chlorophenyl phenyl ether	1670	1770	106	56-118
121-14-2	2,4-Dinitrotoluene	1670	1780	107	57-131
606-20-2	2,6-Dinitrotoluene	1670	1600	96	57-132
91-94-1	3,3'-Dichlorobenzidine	3330	2310	69	10-129
123-91-1	1,4-Dioxane	1670	739	44	10-110
53-70-3	Dibenzo(a,h)anthracene	1670	1440	86	48-121
132-64-9	Dibenzofuran	1670	1470	88	51-119
84-74-2	Di-n-butyl phthalate	1670	1470	88	59-125
117-84-0	Di-n-octyl phthalate	1670	1740	104	47-147
84-66-2	Diethyl phthalate	1670	1630	98	57-116
131-11-3	Dimethyl phthalate	1670	1510	91	56-116
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1500	90	53-133
206-44-0	Fluoranthene	1670	1570	94	58-117
86-73-7	Fluorene	1670	1500	90	56-114
118-74-1	Hexachlorobenzene	1670	1550	93	50-128
87-68-3	Hexachlorobutadiene	1670	1880	113	43-129
77-47-4	Hexachlorocyclopentadiene	3330	3460	104	15-140
67-72-1	Hexachloroethane	1670	1690	101	43-123
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1450	87	49-124
78-59-1	Isophorone	1670	1330	80	38-128
91-57-6	2-Methylnaphthalene	1670	1260	76	37-124
88-74-4	2-Nitroaniline	1670	2170	130	45-144
99-09-2	3-Nitroaniline	1670	965	58	10-134
100-01-6	4-Nitroaniline	1670	1220	73	41-130
91-20-3	Naphthalene	1670	1200	72	44-116
98-95-3	Nitrobenzene	1670	1530	92	36-132
621-64-7	N-Nitroso-di-n-propylamine	1670	1620	97	38-125
86-30-6	N-Nitrosodiphenylamine	1670	1440	86	51-122
85-01-8	Phenanthrene	1670	1350	81	53-119
129-00-0	Pyrene	1670	1530	92	54-124
95-94-3	1,2,4,5-Tetrachlorobenzene	1670	2190	131* a	45-128

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-BS1	F167288.D	1	05/16/17	CS	05/16/17	OP2859	EF7072

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	73%	23-115%
4165-62-2	Phenol-d5	76%	27-114%
118-79-6	2,4,6-Tribromophenol	87%	19-152%
4165-60-0	Nitrobenzene-d5	94%	26-134%
321-60-8	2-Fluorobiphenyl	90%	39-124%
1718-51-0	Terphenyl-d14	113%	36-134%

(a) High percent recoveries and no associated positive found in the QC batch.

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-BS1	3E93645.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1670	1270	76	44-122
59-50-7	4-Chloro-3-methyl phenol	1670	1480	89	50-123
120-83-2	2,4-Dichlorophenol	1670	1510	91	48-122
105-67-9	2,4-Dimethylphenol	1670	1410	85	48-124
51-28-5	2,4-Dinitrophenol	3330	3630	109	34-146
534-52-1	4,6-Dinitro-o-cresol	1670	1910	115	49-140
95-48-7	2-Methylphenol	1670	1290	77	40-126
	3&4-Methylphenol	1670	1340	80	40-127
88-75-5	2-Nitrophenol	1670	1500	90	44-133
100-02-7	4-Nitrophenol	1670	1770	106	35-153
87-86-5	Pentachlorophenol	1670	2100	126	15-149
108-95-2	Phenol	1670	1300	78	50-109
58-90-2	2,3,4,6-Tetrachlorophenol	1670	1580	95	44-132
95-95-4	2,4,5-Trichlorophenol	1670	1560	94	45-124
88-06-2	2,4,6-Trichlorophenol	1670	1620	97	57-122
83-32-9	Acenaphthene	1670	1450	87	53-119
208-96-8	Acenaphthylene	1670	1440	86	41-125
98-86-2	Acetophenone	1670	1280	77	52-112
120-12-7	Anthracene	1670	1520	91	51-120
1912-24-9	Atrazine	1670	1860	112	49-139
56-55-3	Benzo(a)anthracene	1670	1550	93	54-118
50-32-8	Benzo(a)pyrene	1670	1590	95	55-121
205-99-2	Benzo(b)fluoranthene	1670	1600	96	57-116
191-24-2	Benzo(g,h,i)perylene	1670	1470	88	40-124
207-08-9	Benzo(k)fluoranthene	1670	1590	95	59-116
101-55-3	4-Bromophenyl phenyl ether	1670	1690	101	60-122
85-68-7	Butyl benzyl phthalate	1670	1700	102	51-134
92-52-4	1,1'-Biphenyl	1670	1410	85	46-122
100-52-7	Benzaldehyde	1670	991	59	14-139
91-58-7	2-Chloronaphthalene	1670	1490	89	49-120
106-47-8	4-Chloroaniline	1670	802	48	10-115
86-74-8	Carbazole	1670	1550	93	52-124
105-60-2	Caprolactam	1670	1350	81	16-139
218-01-9	Chrysene	1670	1470	88	51-115
111-91-1	bis(2-Chloroethoxy)methane	1670	1440	86	36-131
111-44-4	bis(2-Chloroethyl)ether	1670	1420	85	41-131

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-BS1	3E93645.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	1670	1340	80	22-134
7005-72-3	4-Chlorophenyl phenyl ether	1670	1580	95	56-118
121-14-2	2,4-Dinitrotoluene	1670	1620	97	57-131
606-20-2	2,6-Dinitrotoluene	1670	1620	97	57-132
91-94-1	3,3'-Dichlorobenzidine	3330	2410	72	10-129
123-91-1	1,4-Dioxane	1670	800	48	10-110
53-70-3	Dibenzo(a,h)anthracene	1670	1470	88	48-121
132-64-9	Dibenzofuran	1670	1530	92	51-119
84-74-2	Di-n-butyl phthalate	1670	1630	98	59-125
117-84-0	Di-n-octyl phthalate	1670	1770	106	47-147
84-66-2	Diethyl phthalate	1670	1550	93	57-116
131-11-3	Dimethyl phthalate	1670	1510	91	56-116
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1610	97	53-133
206-44-0	Fluoranthene	1670	1600	96	58-117
86-73-7	Fluorene	1670	1490	89	56-114
118-74-1	Hexachlorobenzene	1670	1670	100	50-128
87-68-3	Hexachlorobutadiene	1670	1640	98	43-129
77-47-4	Hexachlorocyclopentadiene	3330	3300	99	15-140
67-72-1	Hexachloroethane	1670	1450	87	43-123
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1390	83	49-124
78-59-1	Isophorone	1670	1400	84	38-128
91-57-6	2-Methylnaphthalene	1670	1460	88	37-124
88-74-4	2-Nitroaniline	1670	1650	99	45-144
99-09-2	3-Nitroaniline	1670	1160	70	10-134
100-01-6	4-Nitroaniline	1670	1520	91	41-130
91-20-3	Naphthalene	1670	1320	79	44-116
98-95-3	Nitrobenzene	1670	1360	82	36-132
621-64-7	N-Nitroso-di-n-propylamine	1670	1350	81	38-125
86-30-6	N-Nitrosodiphenylamine	1670	1600	96	51-122
85-01-8	Phenanthrene	1670	1510	91	53-119
129-00-0	Pyrene	1670	1600	96	54-124
95-94-3	1,2,4,5-Tetrachlorobenzene	1670	1730	104	45-128

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43253

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-BS1	3E93645.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	85%	23-115%
4165-62-2	Phenol-d5	83%	27-114%
118-79-6	2,4,6-Tribromophenol	110%	19-152%
4165-60-0	Nitrobenzene-d5	83%	26-134%
321-60-8	2-Fluorobiphenyl	88%	39-124%
1718-51-0	Terphenyl-d14	116%	36-134%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 3

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2948-BS1	Z121868.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-7, JC43253-8, JC43253-9, JC43253-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	36.8	74	39-106
59-50-7	4-Chloro-3-methyl phenol	50	46.9	94	45-118
120-83-2	2,4-Dichlorophenol	50	44.2	88	43-115
105-67-9	2,4-Dimethylphenol	50	48.4	97	38-125
51-28-5	2,4-Dinitrophenol	100	94.0	94	35-137
534-52-1	4,6-Dinitro-o-cresol	50	42.5	85	45-134
95-48-7	2-Methylphenol	50	36.5	73	34-106
	3&4-Methylphenol	50	34.7	69	31-110
88-75-5	2-Nitrophenol	50	41.9	84	41-118
100-02-7	4-Nitrophenol	50	28.7	57	10-113
87-86-5	Pentachlorophenol	50	45.5	91	21-134
108-95-2	Phenol	50	19.0	38	10-110
58-90-2	2,3,4,6-Tetrachlorophenol	50	42.2	84	41-129
95-95-4	2,4,5-Trichlorophenol	50	42.4	85	45-117
88-06-2	2,4,6-Trichlorophenol	50	44.3	89	47-125
83-32-9	Acenaphthene	50	40.1	80	40-114
208-96-8	Acenaphthylene	50	38.7	77	40-109
98-86-2	Acetophenone	50	43.0	86	43-112
120-12-7	Anthracene	50	41.6	83	50-113
1912-24-9	Atrazine	50	52.6	105	46-141
100-52-7	Benzaldehyde	50	38.6	77	27-116
56-55-3	Benzo(a)anthracene	50	42.4	85	55-110
50-32-8	Benzo(a)pyrene	50	42.1	84	52-112
205-99-2	Benzo(b)fluoranthene	50	42.2	84	53-114
191-24-2	Benzo(g,h,i)perylene	50	42.0	84	46-115
207-08-9	Benzo(k)fluoranthene	50	42.2	84	55-115
101-55-3	4-Bromophenyl phenyl ether	50	44.0	88	47-122
85-68-7	Butyl benzyl phthalate	50	44.8	90	50-124
92-52-4	1,1'-Biphenyl	50	40.9	82	42-114
91-58-7	2-Chloronaphthalene	50	37.6	75	33-112
106-47-8	4-Chloroaniline	50	22.8	46	17-87
86-74-8	Carbazole	50	44.0	88	54-118
105-60-2	Caprolactam	50	13.0	26	10-110
218-01-9	Chrysene	50	41.4	83	52-107
111-91-1	bis(2-Chloroethoxy)methane	50	43.0	86	38-116
111-44-4	bis(2-Chloroethyl)ether	50	40.8	82	38-118

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2948-BS1	Z121868.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-7, JC43253-8, JC43253-9, JC43253-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	50	41.2	82	29-108
7005-72-3	4-Chlorophenyl phenyl ether	50	44.0	88	40-122
121-14-2	2,4-Dinitrotoluene	50	45.8	92	54-129
606-20-2	2,6-Dinitrotoluene	50	46.6	93	53-131
91-94-1	3,3'-Dichlorobenzidine	100	47.3	47	28-91
123-91-1	1,4-Dioxane	50	21.4	43	10-110
53-70-3	Dibenzo(a,h)anthracene	50	43.2	86	51-117
132-64-9	Dibenzofuran	50	43.4	87	46-118
84-74-2	Di-n-butyl phthalate	50	44.5	89	54-124
117-84-0	Di-n-octyl phthalate	50	43.8	88	41-137
84-66-2	Diethyl phthalate	50	44.6	89	49-122
131-11-3	Dimethyl phthalate	50	43.0	86	51-118
117-81-7	bis(2-Ethylhexyl)phthalate	50	44.8	90	47-128
206-44-0	Fluoranthene	50	44.3	89	54-118
86-73-7	Fluorene	50	42.5	85	45-116
118-74-1	Hexachlorobenzene	50	43.3	87	45-124
87-68-3	Hexachlorobutadiene	50	33.6	67	10-120
77-47-4	Hexachlorocyclopentadiene	100	54.5	55	10-110
67-72-1	Hexachloroethane	50	32.5	65	11-110
193-39-5	Indeno(1,2,3-cd)pyrene	50	40.5	81	45-123
78-59-1	Isophorone	50	43.7	87	43-115
91-57-6	2-Methylnaphthalene	50	42.8	86	37-111
88-74-4	2-Nitroaniline	50	44.1	88	40-144
99-09-2	3-Nitroaniline	50	25.6	51	31-104
100-01-6	4-Nitroaniline	50	44.3	89	48-119
91-20-3	Naphthalene	50	36.1	72	29-110
98-95-3	Nitrobenzene	50	41.5	83	35-118
621-64-7	N-Nitroso-di-n-propylamine	50	41.5	83	38-116
86-30-6	N-Nitrosodiphenylamine	50	43.0	86	49-114
85-01-8	Phenanthrene	50	42.2	84	49-116
129-00-0	Pyrene	50	42.8	86	51-116
95-94-3	1,2,4,5-Tetrachlorobenzene	50	41.5	83	21-124

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43253

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2948-BS1	Z121868.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-7, JC43253-8, JC43253-9, JC43253-10

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	58%	10-110%
4165-62-2	Phenol-d5	39%	10-110%
118-79-6	2,4,6-Tribromophenol	94%	36-151%
4165-60-0	Nitrobenzene-d5	88%	34-128%
321-60-8	2-Fluorobiphenyl	75%	38-119%
1718-51-0	Terphenyl-d14	104%	26-129%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-MS	3E93648.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166
OP2859-MSD	3E93649.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166
JC43133-1	3E93647.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Compound	JC43133-1 ug/kg	Spike Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		2000	1220	61	2020	1220	60	0	10-137/34
59-50-7	4-Chloro-3-methyl phenol	ND		2000	1440	72	2020	1430	71	1	11-147/35
120-83-2	2,4-Dichlorophenol	ND		2000	1510	75	2020	1480	73	2	15-140/34
105-67-9	2,4-Dimethylphenol	ND		2000	1600	80	2020	1720	85	7	10-151/34
51-28-5	2,4-Dinitrophenol	ND		4010	1190	30	4050	302	7* a	119* b	10-148/49
534-52-1	4,6-Dinitro-o-cresol	ND		2000	784	39	2020	145	7* a	138* b	10-150/48
95-48-7	2-Methylphenol	ND		2000	1330	66	2020	1340	66	1	10-138/33
	3&4-Methylphenol	ND		2000	1410	70	2020	1650	82	16	10-143/33
88-75-5	2-Nitrophenol	ND		2000	1410	70	2020	1180	58	18	10-150/39
100-02-7	4-Nitrophenol	ND		2000	1620	81	2020	1590	79	2	10-163/38
87-86-5	Pentachlorophenol	ND		2000	1960	98	2020	1860	92	5	10-148/39
108-95-2	Phenol	ND		2000	1310	65	2020	1330	66	2	24-114/32
58-90-2	2,3,4,6-Tetrachlorophenol	ND		2000	1510	75	2020	1500	74	1	14-140/38
95-95-4	2,4,5-Trichlorophenol	ND		2000	1530	76	2020	1510	75	1	10-146/36
88-06-2	2,4,6-Trichlorophenol	ND		2000	1630	81	2020	1590	79	2	16-148/36
83-32-9	Acenaphthene	20.8	J	2000	1380	68	2020	1460	71	6	21-136/34
208-96-8	Acenaphthylene	22.1	J	2000	1390	68	2020	1490	73	7	10-143/36
98-86-2	Acetophenone	ND		2000	1210	60	2020	1250	62	3	24-127/31
120-12-7	Anthracene	57.6		2000	1440	69	2020	1830	88	24	10-147/39
1912-24-9	Atrazine	ND		2000	1510	75	2020	1490	74	1	10-161/38
56-55-3	Benzo(a)anthracene	212		2000	1620	70	2020	3090	142	62* b	10-151/41
50-32-8	Benzo(a)pyrene	247		2000	1730	74	2020	2320	102	29	10-149/40
205-99-2	Benzo(b)fluoranthene	358		2000	1810	72	2020	2850	123	45* b	10-147/42
191-24-2	Benzo(g,h,i)perylene	183		2000	1680	75	2020	2000	90	17	10-150/41
207-08-9	Benzo(k)fluoranthene	109		2000	1540	71	2020	1850	86	18	12-142/41
101-55-3	4-Bromophenyl phenyl ether	ND		2000	1550	77	2020	1610	80	4	26-138/37
85-68-7	Butyl benzyl phthalate	ND		2000	1570	78	2020	1620	80	3	24-143/36
92-52-4	1,1'-Biphenyl	ND		2000	1390	69	2020	1420	70	2	18-138/32
100-52-7	Benzaldehyde	ND		2000	1090	54	2020	1160	57	6	10-149/37
91-58-7	2-Chloronaphthalene	ND		2000	1440	72	2020	1490	74	3	24-130/31
106-47-8	4-Chloroaniline	ND		2000	737	37	2020	468	23	45	10-111/52
86-74-8	Carbazole	ND		2000	1420	71	2020	1640	81	14	12-146/39
105-60-2	Caprolactam	ND		2000	1250	62	2020	1240	61	1	10-147/40
218-01-9	Chrysene	267		2000	1660	70	2020	3120	141	61* b	10-151/41
111-91-1	bis(2-Chloroethoxy)methane	ND		2000	1330	66	2020	1390	69	4	10-144/35
111-44-4	bis(2-Chloroethyl)ether	ND		2000	2070	103	2020	2010	99	3	12-142/35

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-MS	3E93648.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166
OP2859-MSD	3E93649.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166
JC43133-1	3E93647.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Compound	JC43133-1 ug/kg	Spike Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-60-1	bis(2-Chloroisopropyl)ether	ND		2000	1210	60	2020	1270	63	5	10-137/33
7005-72-3	4-Chlorophenyl phenyl ether	ND		2000	1440	72	2020	1490	74	3	21-136/35
121-14-2	2,4-Dinitrotoluene	ND		2000	1420	71	2020	1260	62	12	14-148/41
606-20-2	2,6-Dinitrotoluene	ND		2000	1440	72	2020	1380	68	4	14-152/40
91-94-1	3,3'-Dichlorobenzidine	ND		4010	674	17	4050	391	10	53* b	10-137/47
123-91-1	1,4-Dioxane	ND		2000	685	34	2020	675	33	1	10-110/40
53-70-3	Dibenzo(a,h)anthracene	46.0		2000	1470	71	2020	1600	77	8	10-152/38
132-64-9	Dibenzofuran	ND		2000	1510	75	2020	1510	75	0	17-141/36
84-74-2	Di-n-butyl phthalate	ND		2000	1430	71	2020	1460	72	2	26-137/35
117-84-0	Di-n-octyl phthalate	ND		2000	1480	74	2020	1480	73	0	23-145/36
84-66-2	Diethyl phthalate	ND		2000	1400	70	2020	1440	71	3	25-133/35
131-11-3	Dimethyl phthalate	ND		2000	1390	69	2020	1450	72	4	21-134/36
117-81-7	bis(2-Ethylhexyl)phthalate	ND		2000	1570	78	2020	1620	80	3	26-144/39
206-44-0	Fluoranthene	375		2000	1750	69	2020	4240	191* a	83* b	10-151/44
86-73-7	Fluorene	24.6	J	2000	1390	68	2020	1460	71	5	19-133/36
118-74-1	Hexachlorobenzene	ND		2000	1510	75	2020	1590	79	5	18-142/37
87-68-3	Hexachlorobutadiene	ND		2000	1450	72	2020	1510	75	4	16-137/32
77-47-4	Hexachlorocyclopentadiene	ND		4010	134	3* a	4050	ND	0* a	200* b	10-150/50
67-72-1	Hexachloroethane	ND		2000	788	39	2020	113	6* a	150* b	10-131/38
193-39-5	Indeno(1,2,3-cd)pyrene	186		2000	1560	69	2020	1950	87	22	10-148/41
78-59-1	Isophorone	ND		2000	1320	66	2020	1400	69	6	11-142/33
91-57-6	2-Methylnaphthalene	ND		2000	1450	72	2020	1450	72	0	10-141/35
88-74-4	2-Nitroaniline	ND		2000	1560	78	2020	1540	76	1	14-156/38
99-09-2	3-Nitroaniline	ND		2000	686	34	2020	382	19	57* b	10-144/45
100-01-6	4-Nitroaniline	ND		2000	897	45	2020	502	25	56* b	10-156/44
91-20-3	Naphthalene	ND		2000	1260	63	2020	1290	64	2	10-136/36
98-95-3	Nitrobenzene	ND		2000	1260	63	2020	1300	64	3	10-142/34
621-64-7	N-Nitroso-di-n-propylamine	ND		2000	1260	63	2020	1330	66	5	10-142/31
86-30-6	N-Nitrosodiphenylamine	ND		2000	1460	73	2020	1530	76	5	10-156/37
85-01-8	Phenanthrene	179		2000	1550	68	2020	1700	75	9	11-145/45
129-00-0	Pyrene	429		2000	1990	78	2020	5450	248* a	93* b	11-155/44
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		2000	1640	82	2020	1720	85	5	23-136/32

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43253

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2859-MS	3E93648.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166
OP2859-MSD	3E93649.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166
JC43133-1	3E93647.D	1	05/19/17	AD	05/16/17	OP2859	E3E4166

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-1, JC43253-2, JC43253-4, JC43253-6

CAS No.	Surrogate Recoveries	MS	MSD	JC43133-1	Limits
367-12-4	2-Fluorophenol	68%	67%	63%	23-115%
4165-62-2	Phenol-d5	70%	69%	66%	27-114%
118-79-6	2,4,6-Tribromophenol	92%	91%	96%	19-152%
4165-60-0	Nitrobenzene-d5	68%	67%	61%	26-134%
321-60-8	2-Fluorobiphenyl	76%	74%	76%	39-124%
1718-51-0	Terphenyl-d14	98%	92%	102%	36-134%

(a) Outside control limits due to matrix interference.

(b) Outside of in house control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2948-MS	Z121874.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044
OP2948-MSD	Z121875.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044
JC43253-7	Z121870.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-7, JC43253-8, JC43253-9, JC43253-10

CAS No.	Compound	JC43253-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		98	66.8	68	98	63.0	64	6	36-113/33
59-50-7	4-Chloro-3-methyl phenol	ND		98	82.6	84	98	79.6	81	4	40-126/29
120-83-2	2,4-Dichlorophenol	ND		98	78.9	80	98	76.4	78	3	40-119/30
105-67-9	2,4-Dimethylphenol	ND		98	86.9	89	98	82.5	84	5	34-134/30
51-28-5	2,4-Dinitrophenol	ND		196	168	86	196	167	85	1	22-157/34
534-52-1	4,6-Dinitro-o-cresol	ND		98	76.5	78	98	77.2	79	1	26-151/37
95-48-7	2-Methylphenol	ND		98	62.2	63	98	60.9	62	2	31-119/32
	3&4-Methylphenol	ND		98	61.5	63	98	60.3	62	2	29-118/31
88-75-5	2-Nitrophenol	ND		98	72.4	74	98	68.6	70	5	38-123/34
100-02-7	4-Nitrophenol	ND		98	52.2	53	98	54.5	56	4	10-161/36
87-86-5	Pentachlorophenol	ND		98	84.7	86	98	83.6	85	1	22-149/36
108-95-2	Phenol	ND		98	34.6	35	98	33.4	34	4	10-110/35
58-90-2	2,3,4,6-Tetrachlorophenol	ND		98	78.1	80	98	76.0	78	3	43-131/36
95-95-4	2,4,5-Trichlorophenol	ND		98	77.5	79	98	73.9	75	5	45-118/30
88-06-2	2,4,6-Trichlorophenol	ND		98	83.1	85	98	77.9	79	6	48-126/31
83-32-9	Acenaphthene	ND		98	71.5	73	98	68.1	69	5	44-119/28
208-96-8	Acenaphthylene	ND		98	69.6	71	98	64.3	66	8	40-115/28
98-86-2	Acetophenone	ND		98	75.8	77	98	73.0	74	4	34-127/32
120-12-7	Anthracene	ND		98	71.9	73	98	70.8	72	2	44-120/30
1912-24-9	Atrazine	ND		98	92.9	95	98	93.0	95	0	31-149/30
100-52-7	Benzaldehyde	ND		98	66.4	68	98	62.5	64	6	11-132/37
56-55-3	Benzo(a)anthracene	ND		98	69.7	71	98	68.9	70	1	48-116/30
50-32-8	Benzo(a)pyrene	ND		98	71.3	73	98	71.3	73	0	43-120/31
205-99-2	Benzo(b)fluoranthene	ND		98	66.5	68	98	67.1	68	1	42-123/31
191-24-2	Benzo(g,h,i)perylene	ND		98	66.1	67	98	67.4	69	2	39-121/32
207-08-9	Benzo(k)fluoranthene	ND		98	70.8	72	98	69.6	71	2	44-123/31
101-55-3	4-Bromophenyl phenyl ether	ND		98	76.1	78	98	75.3	77	1	47-127/31
85-68-7	Butyl benzyl phthalate	ND		98	73.9	75	98	72.5	74	2	41-135/32
92-52-4	1,1'-Biphenyl	ND		98	73.8	75	98	66.2	68	11	39-124/29
91-58-7	2-Chloronaphthalene	ND		98	67.0	68	98	63.6	65	5	37-120/30
106-47-8	4-Chloroaniline	ND		98	43.2	44	98	46.3	47	7	10-110/49
86-74-8	Carbazole	ND		98	75.7	77	98	76.2	78	1	46-127/29
105-60-2	Caprolactam	ND		98	21.2	22	98	21.1	22	0	10-110/37
218-01-9	Chrysene	ND		98	67.6	69	98	65.4	67	3	45-113/30
111-91-1	bis(2-Chloroethoxy)methane	ND		98	74.7	76	98	72.7	74	3	33-122/29
111-44-4	bis(2-Chloroethyl)ether	ND		98	72.6	74	98	69.6	71	4	29-132/36

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2948-MS	Z121874.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044
OP2948-MSD	Z121875.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044
JC43253-7	Z121870.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-7, JC43253-8, JC43253-9, JC43253-10

CAS No.	Compound	JC43253-7		Spike	MS	MS	Spike	MSD	MSD	RPD	Limits
		ug/l	Q	ug/l	ug/l	%	ug/l	ug/l	%		
108-60-1	bis(2-Chloroisopropyl)ether	ND		98	69.3	71	98	66.5	68	4	27-115/34
7005-72-3	4-Chlorophenyl phenyl ether	ND		98	76.8	78	98	74.1	76	4	43-125/30
121-14-2	2,4-Dinitrotoluene	ND		98	80.7	82	98	75.3	77	7	49-135/31
606-20-2	2,6-Dinitrotoluene	ND		98	78.8	80	98	77.4	79	2	50-135/32
91-94-1	3,3'-Dichlorobenzidine	ND		196	110	56	196	108	55	2	2-115/43
123-91-1	1,4-Dioxane	ND		98	34.1	35	98	34.2	35	0	10-110/42
53-70-3	Dibenzo(a,h)anthracene	ND		98	69.8	71	98	68.4	70	2	44-121/32
132-64-9	Dibenzofuran	ND		98	77.0	79	98	73.2	75	5	43-123/29
84-74-2	Di-n-butyl phthalate	ND		98	75.3	77	98	75.0	77	0	46-133/30
117-84-0	Di-n-octyl phthalate	ND		98	72.1	74	98	71.8	73	0	31-147/32
84-66-2	Diethyl phthalate	ND		98	79.4	81	98	77.6	79	2	46-126/30
131-11-3	Dimethyl phthalate	ND		98	76.6	78	98	75.6	77	1	49-120/29
117-81-7	bis(2-Ethylhexyl)phthalate	ND		98	73.5	75	98	70.6	72	4	35-140/35
206-44-0	Fluoranthene	ND		98	74.6	76	98	74.3	76	0	48-122/30
86-73-7	Fluorene	ND		98	74.4	76	98	71.2	73	4	45-121/30
118-74-1	Hexachlorobenzene	ND		98	78.7	80	98	75.6	77	4	42-129/32
87-68-3	Hexachlorobutadiene	ND		98	59.4	61	98	56.5	58	5	10-129/36
77-47-4	Hexachlorocyclopentadiene	ND		196	115	59	196	106	54	8	10-111/40
67-72-1	Hexachloroethane	ND		98	56.0	57	98	54.9	56	2	12-116/37
193-39-5	Indeno(1,2,3-cd)pyrene	ND		98	64.6	66	98	65.5	67	1	39-129/33
78-59-1	Isophorone	ND		98	78.4	80	98	75.3	77	4	37-122/29
91-57-6	2-Methylnaphthalene	ND		98	75.4	77	98	69.3	71	8	33-118/31
88-74-4	2-Nitroaniline	ND		98	81.2	83	98	79.5	81	2	32-156/31
99-09-2	3-Nitroaniline	ND		98	56.2	57	98	53.7	55	5	11-114/41
100-01-6	4-Nitroaniline	ND		98	80.3	82	98	74.4	76	8	31-125/30
91-20-3	Naphthalene	ND		98	61.8	63	98	60.5	62	2	24-119/33
98-95-3	Nitrobenzene	ND		98	72.8	74	98	69.1	70	5	28-130/32
621-64-7	N-Nitroso-di-n-propylamine	ND		98	76.4	78	98	72.5	74	5	29-128/31
86-30-6	N-Nitrosodiphenylamine	ND		98	74.3	76	98	73.7	75	1	40-128/31
85-01-8	Phenanthrene	ND		98	72.2	74	98	71.3	73	1	41-128/30
129-00-0	Pyrene	ND		98	72.4	74	98	71.3	73	2	47-122/30
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		98	78.0	80	98	72.2	74	8	23-134/31

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43253

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2948-MS	Z121874.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044
OP2948-MSD	Z121875.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044
JC43253-7	Z121870.D	1	05/19/17	AC	05/18/17	OP2948	EZ6044

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43253-7, JC43253-8, JC43253-9, JC43253-10

CAS No.	Surrogate Recoveries	MS	MSD	JC43253-7	Limits
367-12-4	2-Fluorophenol	49%	49%	45%	10-110%
4165-62-2	Phenol-d5	34%	33%	31%	10-110%
118-79-6	2,4,6-Tribromophenol	85%	87%	92%	36-151%
4165-60-0	Nitrobenzene-d5	80%	74%	77%	34-128%
321-60-8	2-Fluorobiphenyl	72%	67%	77%	38-119%
1718-51-0	Terphenyl-d14	73%	66%	84%	26-129%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: E3E4156-DFTPP
Lab File ID: 3E93521.D
Instrument ID: GCMS3E
Injection Date: 05/15/17
Injection Time: 22:33

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	15778	49.0	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	15472	48.0	Pass
70	Less than 2.0% of mass 69	45	0.14 (0.29) ^a	Pass
127	40.0 - 60.0% of mass 198	18459	57.3	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	32210	100.0	Pass
199	5.0 - 9.0% of mass 198	2235	6.94	Pass
275	10.0 - 30.0% of mass 198	7511	23.3	Pass
365	1.0 - 100.0% of mass 198	1004	3.12	Pass
441	Present, but less than mass 443	5202	16.2 (88.9) ^b	Pass
442	40.0 - 100.0% of mass 198	30566	94.9	Pass
443	17.0 - 23.0% of mass 442	5849	18.2 (19.1) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E4156-IC4156	3E93522.D	05/15/17	22:47	00:14	Initial cal 100
E3E4156-IC4156	3E93523.D	05/15/17	23:15	00:42	Initial cal 80
E3E4156-ICC4156	3E93524.D	05/15/17	23:42	01:09	Initial cal 50
E3E4156-IC4156	3E93525.D	05/16/17	00:09	01:36	Initial cal 25
E3E4156-IC4156	3E93526.D	05/16/17	00:36	02:03	Initial cal 10
E3E4156-IC4156	3E93527.D	05/16/17	01:04	02:31	Initial cal 5
E3E4156-IC4156	3E93528.D	05/16/17	01:31	02:58	Initial cal 2
E3E4156-IC4156	3E93529.D	05/16/17	01:58	03:25	Initial cal 1
E3E4156-ICV4156	3E93531.D	05/16/17	02:53	04:20	Initial cal verification 50
E3E4156-ICV4156	3E93532.D	05/16/17	03:20	04:47	Initial cal verification 50
E3E4156-ICV4156	3E93533.D	05/16/17	03:47	05:14	Initial cal verification 50
E3E4156-ICV4156	3E93534.D	05/16/17	04:14	05:41	Initial cal verification 50
E3E4156-ICV4156	3E93535.D	05/16/17	04:41	06:08	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: E3E4158-DFTPP	Injection Date: 05/16/17
Lab File ID: 3E93554.D	Injection Time: 15:14
Instrument ID: GCMS3E	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	17444	46.6	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	17010	45.4	Pass
70	Less than 2.0% of mass 69	132	0.35 (0.78) ^a	Pass
127	40.0 - 60.0% of mass 198	21700	57.9	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	37458	100.0	Pass
199	5.0 - 9.0% of mass 198	2585	6.90	Pass
275	10.0 - 30.0% of mass 198	8811	23.5	Pass
365	1.0 - 100.0% of mass 198	1207	3.22	Pass
441	Present, but less than mass 443	6258	16.7 (91.0) ^b	Pass
442	40.0 - 100.0% of mass 198	35618	95.1	Pass
443	17.0 - 23.0% of mass 442	6878	18.4 (19.3) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E4158-ICV4156	3E93555.D	05/16/17	15:32	00:18	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: E3E4162-DFTPP
Lab File ID: 3E93581.D
Instrument ID: GCMS3E
Injection Date: 05/17/17
Injection Time: 14:44

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	18849	46.7	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	19006	47.1	Pass
70	Less than 2.0% of mass 69	75	0.19 (0.39) ^a	Pass
127	40.0 - 60.0% of mass 198	24052	59.6	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	40344	100.0	Pass
199	5.0 - 9.0% of mass 198	2677	6.64	Pass
275	10.0 - 30.0% of mass 198	9453	23.4	Pass
365	1.0 - 100.0% of mass 198	1356	3.36	Pass
441	Present, but less than mass 443	6616	16.4 (90.3) ^b	Pass
442	40.0 - 100.0% of mass 198	37826	93.8	Pass
443	17.0 - 23.0% of mass 442	7330	18.2 (19.4) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E4162-IC4162	3E93582.D	05/17/17	14:59	00:15	Initial cal 1
E3E4162-IC4162	3E93583.D	05/17/17	15:27	00:43	Initial cal 2
E3E4162-IC4162	3E93584.D	05/17/17	15:55	01:11	Initial cal 5
E3E4162-IC4162	3E93585.D	05/17/17	16:23	01:39	Initial cal 10
E3E4162-IC4162	3E93586.D	05/17/17	16:50	02:06	Initial cal 25
E3E4162-ICC4162	3E93587.D	05/17/17	17:18	02:34	Initial cal 50
E3E4162-IC4162	3E93588.D	05/17/17	17:46	03:02	Initial cal 80
E3E4162-IC4162	3E93589.D	05/17/17	18:14	03:30	Initial cal 100

Instrument Performance Check (DFTPP)

Page 1 of 1

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: E3E4163-DFTPP
Lab File ID: 3E93591.D
Instrument ID: GCMS3E
Injection Date: 05/17/17
Injection Time: 19:22

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	30553	45.3	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	30882	45.7	Pass
70	Less than 2.0% of mass 69	170	0.25 (0.55) ^a	Pass
127	40.0 - 60.0% of mass 198	38949	57.7	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	67504	100.0	Pass
199	5.0 - 9.0% of mass 198	4540	6.73	Pass
275	10.0 - 30.0% of mass 198	15474	22.9	Pass
365	1.0 - 100.0% of mass 198	1945	2.88	Pass
441	Present, but less than mass 443	9212	13.6 (91.6) ^b	Pass
442	40.0 - 100.0% of mass 198	52453	77.7	Pass
443	17.0 - 23.0% of mass 442	10055	14.9 (19.2) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E4163-IC4163	3E93592.D	05/17/17	19:39	00:17	Initial cal 100
E3E4163-IC4163	3E93593.D	05/17/17	20:06	00:44	Initial cal 80
E3E4163-ICC4163	3E93594.D	05/17/17	20:34	01:12	Initial cal 50
E3E4163-IC4163	3E93595.D	05/17/17	21:02	01:40	Initial cal 25
E3E4163-IC4163	3E93596.D	05/17/17	21:30	02:08	Initial cal 10
E3E4163-IC4163	3E93597.D	05/17/17	21:58	02:36	Initial cal 5
E3E4163-IC4163	3E93598.D	05/17/17	22:25	03:03	Initial cal 2
E3E4163-IC4163	3E93599.D	05/17/17	22:53	03:31	Initial cal 1
E3E4163-ICV4163	3E93600.D	05/17/17	23:20	03:58	Initial cal verification 50
E3E4163-ICV4163	3E93601.D	05/17/17	23:48	04:26	Initial cal verification 50
E3E4163-ICV4163	3E93602.D	05/18/17	00:16	04:54	Initial cal verification 50
E3E4163-ICV4163	3E93603.D	05/18/17	00:43	05:21	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: E3E4164-DFTPP
Lab File ID: 3E93606.D
Instrument ID: GCMS3E
Injection Date: 05/18/17
Injection Time: 08:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	18803	47.2	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	18541	46.5	Pass
70	Less than 2.0% of mass 69	142	0.36 (0.77) ^a	Pass
127	40.0 - 60.0% of mass 198	23626	59.3	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	39837	100.0	Pass
199	5.0 - 9.0% of mass 198	2656	6.67	Pass
275	10.0 - 30.0% of mass 198	9554	24.0	Pass
365	1.0 - 100.0% of mass 198	1315	3.30	Pass
441	Present, but less than mass 443	6496	16.3 (89.9) ^b	Pass
442	40.0 - 100.0% of mass 198	38306	96.2	Pass
443	17.0 - 23.0% of mass 442	7224	18.1 (18.9) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E4164-ICV4162	3E93609.D	05/18/17	12:28	03:48	Initial cal verification 50

Instrument Performance Check (DFTPP)

Page 1 of 1

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: E3E4166-DFTPP
Lab File ID: 3E93640.D
Instrument ID: GCMS3E
Injection Date: 05/19/17
Injection Time: 09:50

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	23764	50.6	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	22998	49.0	Pass
70	Less than 2.0% of mass 69	134	0.29 (0.58) ^a	Pass
127	40.0 - 60.0% of mass 198	28073	59.8	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	46920	100.0	Pass
199	5.0 - 9.0% of mass 198	3071	6.55	Pass
275	10.0 - 30.0% of mass 198	11507	24.5	Pass
365	1.0 - 100.0% of mass 198	1436	3.06	Pass
441	Present, but less than mass 443	6516	13.9 (91.0) ^b	Pass
442	40.0 - 100.0% of mass 198	36551	77.9	Pass
443	17.0 - 23.0% of mass 442	7163	15.3 (19.6) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E4166-CC4156	3E93641.D	05/19/17	10:06	00:16	Continuing cal 25
E3E4166-CC4162	3E93642.D	05/19/17	10:40	00:50	Continuing cal 25
E3E4166-CC4163	3E93643.D	05/19/17	11:08	01:18	Continuing cal 25
OP2859-MB1	3E93644.D	05/19/17	11:36	01:46	Method Blank
OP2859-BS1	3E93645.D	05/19/17	12:03	02:13	Blank Spike
ZZZZZZ	3E93646.D	05/19/17	12:31	02:41	(unrelated sample)
JC43133-1	3E93647.D	05/19/17	12:59	03:09	(used for QC only; not part of job JC43253)
OP2859-MS	3E93648.D	05/19/17	13:27	03:37	Matrix Spike
OP2859-MSD	3E93649.D	05/19/17	13:55	04:05	Matrix Spike Duplicate
ZZZZZZ	3E93653.D	05/19/17	14:23	04:33	(unrelated sample)
ZZZZZZ	3E93650.D	05/19/17	14:50	05:00	(unrelated sample)
ZZZZZZ	3E93651.D	05/19/17	15:18	05:28	(unrelated sample)
JC42405-1	3E93654.D	05/19/17	16:14	06:24	(used for QC only; not part of job JC43253)
ZZZZZZ	3E93655.D	05/19/17	16:42	06:52	(unrelated sample)

Instrument Performance Check (DFTPP)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EF7010-DFTPP **Injection Date:** 04/05/17
Lab File ID: F166002.D **Injection Time:** 11:47
Instrument ID: GCMSF

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	30992	32.5	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	35005	36.7	Pass
70	Less than 2.0% of mass 69	110	0.12 (0.31) ^a	Pass
127	40.0 - 60.0% of mass 198	52765	55.4	Pass
197	Less than 1.0% of mass 198	252	0.26	Pass
198	Base peak, 100% relative abundance	95285	100.0	Pass
199	5.0 - 9.0% of mass 198	6368	6.68	Pass
275	10.0 - 30.0% of mass 198	23209	24.4	Pass
365	1.0 - 100.0% of mass 198	3621	3.80	Pass
441	Present, but less than mass 443	12594	13.2 (71.9) ^b	Pass
442	40.0 - 100.0% of mass 198	87850	92.2	Pass
443	17.0 - 23.0% of mass 442	17513	18.4 (19.9) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF7010-IC7010	F166003.D	04/05/17	12:10	00:23	Initial cal 100
EF7010-IC7010	F166004.D	04/05/17	12:48	01:01	Initial cal 1
EF7010-IC7010	F166005.D	04/05/17	13:24	01:37	Initial cal 80
EF7010-ICC7010	F166006.D	04/05/17	14:00	02:13	Initial cal 50
EF7010-IC7010	F166007.D	04/05/17	14:38	02:51	Initial cal 25
EF7010-IC7010	F166008.D	04/05/17	15:15	03:28	Initial cal 10
EF7010-IC7010	F166009.D	04/05/17	15:52	04:05	Initial cal 5
EF7010-IC7010	F166010.D	04/05/17	16:29	04:42	Initial cal 2

Instrument Performance Check (DFTPP)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EF7011-DFTPP
Lab File ID: F166011.D
Instrument ID: GCMSF
Injection Date: 04/05/17
Injection Time: 17:07

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	32508	31.9	Pass
68	Less than 2.0% of mass 69	87	0.09 (0.24) ^a	Pass
69	Mass 69 relative abundance	36889	36.2	Pass
70	Less than 2.0% of mass 69	291	0.29 (0.79) ^a	Pass
127	40.0 - 60.0% of mass 198	56541	55.5	Pass
197	Less than 1.0% of mass 198	92	0.09	Pass
198	Base peak, 100% relative abundance	101850	100.0	Pass
199	5.0 - 9.0% of mass 198	6833	6.71	Pass
275	10.0 - 30.0% of mass 198	24737	24.3	Pass
365	1.0 - 100.0% of mass 198	3647	3.58	Pass
441	Present, but less than mass 443	13788	13.5 (74.9) ^b	Pass
442	40.0 - 100.0% of mass 198	95120	93.4	Pass
443	17.0 - 23.0% of mass 442	18413	18.1 (19.4) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF7011-IC7011	F166012.D	04/05/17	17:29	00:22	Initial cal 100
EF7011-IC7011	F166013.D	04/05/17	18:07	01:00	Initial cal 80
EF7011-ICC7011	F166014.D	04/05/17	18:44	01:37	Initial cal 50
EF7011-IC7011	F166015.D	04/05/17	19:21	02:14	Initial cal 25
EF7011-IC7011	F166016.D	04/05/17	20:00	02:53	Initial cal 10
EF7011-IC7011	F166017.D	04/05/17	20:38	03:31	Initial cal 5
EF7011-IC7011	F166018.D	04/05/17	21:15	04:08	Initial cal 2
EF7011-IC7011	F166019.D	04/05/17	21:51	04:44	Initial cal 1
EF7011-ICV7011	F166020A.D	04/05/17	22:28	05:21	Initial cal verification 50
EF7011-ICV7010	F166020.D	04/05/17	22:28	05:21	Initial cal verification 50
EF7011-ICV7011	F166021A.D	04/05/17	23:04	05:57	Initial cal verification 50
EF7011-ICV7010	F166021.D	04/05/17	23:04	05:57	Initial cal verification 50
EF7011-ICV7010	F166022.D	04/05/17	23:39	06:32	Initial cal verification 50
EF7011-ICV7010	F166023.D	04/06/17	00:15	07:08	Initial cal verification 50
EF7011-ICV7010	F166024.D	04/06/17	00:51	07:44	Initial cal verification 50
EF7011-ICV7011	F166025.D	04/06/17	01:26	08:19	Initial cal verification 50
EF7011-ICV7010	F166025A.D	04/06/17	01:26	08:19	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EF7017-DFTPP	Injection Date: 04/11/17
Lab File ID: F166116.D	Injection Time: 12:20
Instrument ID: GCMSF	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	31595	30.2	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	36467	34.9	Pass
70	Less than 2.0% of mass 69	138	0.13 (0.38) ^a	Pass
127	40.0 - 60.0% of mass 198	56024	53.6	Pass
197	Less than 1.0% of mass 198	137	0.13	Pass
198	Base peak, 100% relative abundance	104464	100.0	Pass
199	5.0 - 9.0% of mass 198	7338	7.02	Pass
275	10.0 - 30.0% of mass 198	26225	25.1	Pass
365	1.0 - 100.0% of mass 198	3457	3.31	Pass
441	Present, but less than mass 443	14952	14.3 (76.1) ^b	Pass
442	40.0 - 100.0% of mass 198	103085	98.7	Pass
443	17.0 - 23.0% of mass 442	19657	18.8 (19.1) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF7017-ICV7011	F166117.D	04/11/17	12:35	00:15	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EF7072-DFTPP **Injection Date:** 05/16/17
Lab File ID: F167284.D **Injection Time:** 20:48
Instrument ID: GCMSF

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	36792	39.0	Pass
68	Less than 2.0% of mass 69	135	0.14 (0.33) ^a	Pass
69	Mass 69 relative abundance	40709	43.2	Pass
70	Less than 2.0% of mass 69	169	0.18 (0.42) ^a	Pass
127	40.0 - 60.0% of mass 198	53024	56.2	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	94336	100.0	Pass
199	5.0 - 9.0% of mass 198	6647	7.05	Pass
275	10.0 - 30.0% of mass 198	25167	26.7	Pass
365	1.0 - 100.0% of mass 198	4436	4.70	Pass
441	Present, but less than mass 443	9046	9.59 (75.2) ^b	Pass
442	40.0 - 100.0% of mass 198	62580	66.3	Pass
443	17.0 - 23.0% of mass 442	12031	12.8 (19.2) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF7072-CC7010	F167285.D	05/16/17	21:03	00:15	Continuing cal 50
EF7072-CC7011	F167286.D	05/16/17	21:33	00:45	Continuing cal 50
OP2859-MB1	F167287.D	05/16/17	22:25	01:37	Method Blank
OP2859-BS1	F167288.D	05/16/17	22:54	02:06	Blank Spike
ZZZZZZ	F167289.D	05/16/17	23:23	02:35	(unrelated sample)
ZZZZZZ	F167290.D	05/16/17	23:53	03:05	(unrelated sample)
ZZZZZZ	F167291.D	05/17/17	00:22	03:34	(unrelated sample)
ZZZZZZ	F167292.D	05/17/17	00:51	04:03	(unrelated sample)
ZZZZZZ	F167293.D	05/17/17	01:21	04:33	(unrelated sample)
ZZZZZZ	F167294.D	05/17/17	01:50	05:02	(unrelated sample)
ZZZZZZ	F167295.D	05/17/17	02:20	05:32	(unrelated sample)
ZZZZZZ	F167296.D	05/17/17	02:49	06:01	(unrelated sample)
ZZZZZZ	F167298.D	05/17/17	03:48	07:00	(unrelated sample)
ZZZZZZ	F167300.D	05/17/17	04:47	07:59	(unrelated sample)

Instrument Performance Check (DFTPP)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EP5078-DFTPP
Lab File ID: P113755.D
Instrument ID: GCMSP
Injection Date: 05/12/17
Injection Time: 09:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	6713	35.1	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	8140	42.6	Pass
70	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
127	40.0 - 60.0% of mass 198	8537	44.6	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	19126	100.0	Pass
199	5.0 - 9.0% of mass 198	1277	6.68	Pass
275	10.0 - 30.0% of mass 198	5236	27.4	Pass
365	1.0 - 100.0% of mass 198	670	3.50	Pass
441	Present, but less than mass 443	2023	10.6 (83.7) ^b	Pass
442	40.0 - 100.0% of mass 198	12565	65.7	Pass
443	17.0 - 23.0% of mass 442	2417	12.6 (19.2) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP5078-IC5078	P113756.D	05/12/17	10:36	00:40	Initial cal 2
EP5078-IC5078	P113757.D	05/12/17	11:05	01:09	Initial cal 1
EP5078-IC5078	P113758.D	05/12/17	11:34	01:38	Initial cal 100
EP5078-ICC5078	P113759.D	05/12/17	12:04	02:08	Initial cal 50
EP5078-IC5078	P113760.D	05/12/17	12:33	02:37	Initial cal 80
EP5078-IC5078	P113761.D	05/12/17	13:01	03:05	Initial cal 25
EP5078-IC5078	P113762.D	05/12/17	13:31	03:35	Initial cal 10
EP5078-IC5078	P113763.D	05/12/17	14:00	04:04	Initial cal 5

Instrument Performance Check (DFTPP)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EP5079-DFTPP
Lab File ID: P113764.D
Instrument ID: GCMSP
Injection Date: 05/12/17
Injection Time: 14:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	6979	35.1	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	9052	45.5	Pass
70	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
127	40.0 - 60.0% of mass 198	8959	45.0	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	19894	100.0	Pass
199	5.0 - 9.0% of mass 198	1374	6.91	Pass
275	10.0 - 30.0% of mass 198	5277	26.5	Pass
365	1.0 - 100.0% of mass 198	660	3.32	Pass
441	Present, but less than mass 443	1996	10.0 (87.9) ^b	Pass
442	40.0 - 100.0% of mass 198	11722	58.9	Pass
443	17.0 - 23.0% of mass 442	2270	11.4 (19.4) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP5079-IC5079	P113765.D	05/12/17	14:44	00:20	Initial cal 100
EP5079-IC5079	P113766.D	05/12/17	15:13	00:49	Initial cal 80
EP5079-ICC5079	P113767.D	05/12/17	15:42	01:18	Initial cal 50
EP5079-IC5079	P113768.D	05/12/17	16:11	01:47	Initial cal 25
EP5079-IC5079	P113769.D	05/12/17	16:40	02:16	Initial cal 10
EP5079-IC5079	P113770.D	05/12/17	17:09	02:45	Initial cal 5
EP5079-IC5079	P113771.D	05/12/17	17:38	03:14	Initial cal 2
EP5079-IC5079	P113772.D	05/12/17	18:07	03:43	Initial cal 1
EP5079-ICV5078	P113773.D	05/12/17	18:37	04:13	Initial cal verification 50
EP5079-ICV5078	P113774.D	05/12/17	19:06	04:42	Initial cal verification 50
EP5079-ICV5079	P113775A.D	05/12/17	19:35	05:11	Initial cal verification 50
EP5079-ICV5078	P113775.D	05/12/17	19:35	05:11	Initial cal verification 50
EP5079-ICV5079	P113776A.D	05/12/17	20:04	05:40	Initial cal verification 50
EP5079-ICV5078	P113776.D	05/12/17	20:04	05:40	Initial cal verification 50
EP5079-ICV5078	P113777.D	05/12/17	20:33	06:09	Initial cal verification 50
EP5079-ICV5079	P113778A.D	05/12/17	21:58	07:34	Initial cal verification 50
EP5079-ICV5078	P113778AA.D	05/12/17	21:58	07:34	Initial cal verification 50
EP5079-ICV5079	P113779.D	05/12/17	22:27	08:03	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EP5080-DFTPP **Injection Date:** 05/12/17
Lab File ID: P113780.D **Injection Time:** 22:51
Instrument ID: GCMSP

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	6346	31.2	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	8276	40.7	Pass
70	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
127	40.0 - 60.0% of mass 198	8733	43.0	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	20322	100.0	Pass
199	5.0 - 9.0% of mass 198	1353	6.66	Pass
275	10.0 - 30.0% of mass 198	5517	27.1	Pass
365	1.0 - 100.0% of mass 198	644	3.17	Pass
441	Present, but less than mass 443	2262	11.1 (88.8) ^b	Pass
442	40.0 - 100.0% of mass 198	13227	65.1	Pass
443	17.0 - 23.0% of mass 442	2548	12.5 (19.3) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP5080-IC5080	P113781.D	05/12/17	23:03	00:12	Initial cal 100
EP5080-IC5080	P113782.D	05/12/17	23:32	00:41	Initial cal 80
EP5080-ICC5080	P113783.D	05/13/17	00:01	01:10	Initial cal 50
EP5080-IC5080	P113784.D	05/13/17	00:30	01:39	Initial cal 25
EP5080-IC5080	P113785.D	05/13/17	00:59	02:08	Initial cal 10
EP5080-IC5080	P113786.D	05/13/17	01:27	02:36	Initial cal 5
EP5080-IC5080	P113787.D	05/13/17	01:56	03:05	Initial cal 2
EP5080-IC5080	P113788.D	05/13/17	02:25	03:34	Initial cal 1
EP5080-ICV5080	P113789.D	05/13/17	02:54	04:03	Initial cal verification 50
EP5080-ICV5078	P113789A.D	05/13/17	02:54	04:03	Initial cal verification 50
EP5080-ICV5080	P113790.D	05/13/17	03:23	04:32	Initial cal verification 50
EP5080-ICV5080	P113791.D	05/13/17	03:51	05:00	Initial cal verification 50
EP5080-ICV5080	P113792.D	05/13/17	04:20	05:29	Initial cal verification 50
EP5080-ICV5078	P113792A.D	05/13/17	04:20	05:29	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EP5091-DFTPP **Injection Date:** 05/22/17
Lab File ID: P114062.D **Injection Time:** 10:03
Instrument ID: GCMSP

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	8419	35.9	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	11009	46.9	Pass
70	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
127	40.0 - 60.0% of mass 198	11126	47.4	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	23461	100.0	Pass
199	5.0 - 9.0% of mass 198	1598	6.81	Pass
275	10.0 - 30.0% of mass 198	6041	25.7	Pass
365	1.0 - 100.0% of mass 198	609	2.60	Pass
441	Present, but less than mass 443	2072	8.83 (82.5) ^b	Pass
442	40.0 - 100.0% of mass 198	12967	55.3	Pass
443	17.0 - 23.0% of mass 442	2513	10.7 (19.4) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP5091-CC5078	P114063.D	05/22/17	10:16	00:13	Continuing cal 25
EP5091-CC5079	P114064.D	05/22/17	10:44	00:41	Continuing cal 25
OP2859-MB1	P114066.D	05/22/17	11:43	01:40	Method Blank
OP2889-BS1	P114073.D	05/22/17	12:12	02:09	Blank Spike
ZZZZZZ	P114068.D	05/22/17	12:40	02:37	(unrelated sample)
JC43253-1	P114069.D	05/22/17	13:09	03:06	B-9
JC43253-2	P114070.D	05/22/17	14:08	04:05	B-10
JC43253-4	P114071.D	05/22/17	14:37	04:34	B-12
JC43253-6	P114072.D	05/22/17	15:06	05:03	B-13
ZZZZZZ	P114082A.D	05/22/17	15:35	05:32	(unrelated sample)
ZZZZZZ	P114074.D	05/22/17	16:33	06:30	(unrelated sample)
ZZZZZZ	P114075.D	05/22/17	17:02	06:59	(unrelated sample)
JC42955-1	P114076.D	05/22/17	17:31	07:28	(used for QC only; not part of job JC43253)
ZZZZZZ	P114077.D	05/22/17	17:59	07:56	(unrelated sample)
ZZZZZZ	P114078.D	05/22/17	18:28	08:25	(unrelated sample)
ZZZZZZ	P114079.D	05/22/17	18:57	08:54	(unrelated sample)
ZZZZZZ	P114080.D	05/22/17	19:27	09:24	(unrelated sample)
ZZZZZZ	P114081.D	05/22/17	19:55	09:52	(unrelated sample)

Instrument Performance Check (DFTPP)

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Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EZ6036-DFTPP	Injection Date: 05/16/17
Lab File ID: Z121733.D	Injection Time: 09:59
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	54898	35.6	Pass
68	Less than 2.0% of mass 69	576	0.37 (0.99) ^a	Pass
69	Mass 69 relative abundance	58052	37.7	Pass
70	Less than 2.0% of mass 69	314	0.20 (0.54) ^a	Pass
127	40.0 - 60.0% of mass 198	64351	41.8	Pass
197	Less than 1.0% of mass 198	173	0.11	Pass
198	Base peak, 100% relative abundance	154096	100.0	Pass
199	5.0 - 9.0% of mass 198	10552	6.85	Pass
275	10.0 - 30.0% of mass 198	36752	23.9	Pass
365	1.0 - 100.0% of mass 198	5935	3.85	Pass
441	Present, but less than mass 443	11143	7.23 (74.4) ^b	Pass
442	40.0 - 100.0% of mass 198	71469	46.4	Pass
443	17.0 - 23.0% of mass 442	14986	9.73 (21.0) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ6036-IC6036	Z121734.D	05/16/17	10:15	00:16	Initial cal 2
EZ6036-IC6036	Z121735.D	05/16/17	10:43	00:44	Initial cal 1
EZ6036-IC6036	Z121736.D	05/16/17	11:11	01:12	Initial cal 100
EZ6036-IC6036	Z121737.D	05/16/17	11:39	01:40	Initial cal 80
EZ6036-ICC6036	Z121738.D	05/16/17	12:07	02:08	Initial cal 50
EZ6036-IC6036	Z121739.D	05/16/17	12:35	02:36	Initial cal 25
EZ6036-IC6036	Z121740.D	05/16/17	13:02	03:03	Initial cal 10
EZ6036-IC6036	Z121741.D	05/16/17	13:28	03:29	Initial cal 5
EZ6036-ICV6036	Z121742.D	05/16/17	13:55	03:56	Initial cal verification 50
EZ6036-ICV6036	Z121743.D	05/16/17	14:21	04:22	Initial cal verification 50
EZ6036-ICV6036	Z121744.D	05/16/17	15:14	05:15	Initial cal verification 50
EZ6036-ICV6036	Z121745.D	05/16/17	16:07	06:08	Initial cal verification 50
EZ6036-ICV6036	Z121746.D	05/16/17	16:34	06:35	Initial cal verification 50
EZ6036-ICV6036	Z121747.D	05/16/17	17:00	07:01	Initial cal verification 50

Instrument Performance Check (DFTPP)

Page 1 of 1

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EZ6037-DFTPP
Lab File ID: Z121751.D
Instrument ID: GCMSZ
Injection Date: 05/16/17
Injection Time: 17:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	54069	32.8	Pass
68	Less than 2.0% of mass 69	851	0.52 (1.34) ^a	Pass
69	Mass 69 relative abundance	63339	38.5	Pass
70	Less than 2.0% of mass 69	350	0.21 (0.55) ^a	Pass
127	40.0 - 60.0% of mass 198	67202	40.8	Pass
197	Less than 1.0% of mass 198	218	0.13	Pass
198	Base peak, 100% relative abundance	164626	100.0	Pass
199	5.0 - 9.0% of mass 198	11735	7.13	Pass
275	10.0 - 30.0% of mass 198	40049	24.3	Pass
365	1.0 - 100.0% of mass 198	5389	3.27	Pass
441	Present, but less than mass 443	12622	7.67 (80.3) ^b	Pass
442	40.0 - 100.0% of mass 198	74954	45.5	Pass
443	17.0 - 23.0% of mass 442	15709	9.54 (21.0) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ6037-IC6037	Z121752.D	05/16/17	17:57	00:16	Initial cal 1
EZ6037-IC6037	Z121753.D	05/16/17	18:23	00:42	Initial cal 2
EZ6037-IC6037	Z121754.D	05/16/17	18:50	01:09	Initial cal 5
EZ6037-IC6037	Z121755.D	05/16/17	19:17	01:36	Initial cal 10
EZ6037-IC6037	Z121756.D	05/16/17	19:43	02:02	Initial cal 25
EZ6037-ICC6037	Z121757.D	05/16/17	20:10	02:29	Initial cal 50
EZ6037-IC6037	Z121758.D	05/16/17	20:36	02:55	Initial cal 80
EZ6037-IC6037	Z121759.D	05/16/17	21:03	03:22	Initial cal 100
EZ6037-ICV6037	Z121761.D	05/16/17	21:56	04:15	Initial cal verification 50
EZ6037-ICV6037	Z121762.D	05/16/17	22:22	04:41	Initial cal verification 50
EZ6037-ICV6037	Z121763.D	05/16/17	22:49	05:08	Initial cal verification 50

Instrument Performance Check (DFTPP)

Page 1 of 1

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EZ6038-DFTPP
Lab File ID: Z121764.D
Instrument ID: GCMSZ
Injection Date: 05/17/17
Injection Time: 07:20

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	50400	35.1	Pass
68	Less than 2.0% of mass 69	638	0.44 (1.12) ^a	Pass
69	Mass 69 relative abundance	57214	39.9	Pass
70	Less than 2.0% of mass 69	191	0.13 (0.33) ^a	Pass
127	40.0 - 60.0% of mass 198	58832	41.0	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	143528	100.0	Pass
199	5.0 - 9.0% of mass 198	9807	6.83	Pass
275	10.0 - 30.0% of mass 198	33510	23.3	Pass
365	1.0 - 100.0% of mass 198	5127	3.57	Pass
441	Present, but less than mass 443	10708	7.46 (83.7) ^b	Pass
442	40.0 - 100.0% of mass 198	68752	47.9	Pass
443	17.0 - 23.0% of mass 442	12799	8.92 (18.6) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ6038-ICV6036	Z121765.D	05/17/17	07:35	00:15	Initial cal verification 50
EZ6038-ICV6037	Z121766A.D	05/17/17	08:02	00:42	Initial cal verification 50
EZ6038-ICV6036	Z121766.D	05/17/17	08:02	00:42	Initial cal verification 50

Instrument Performance Check (DFTPP)

Page 1 of 2

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EZ6044-DFTPP **Injection Date:** 05/19/17
Lab File ID: Z121864.D **Injection Time:** 10:36
Instrument ID: GCMSZ

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	49680	35.7	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	55494	39.8	Pass
70	Less than 2.0% of mass 69	301	0.22 (0.54) ^a	Pass
127	40.0 - 60.0% of mass 198	59437	42.7	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	139344	100.0	Pass
199	5.0 - 9.0% of mass 198	9025	6.48	Pass
275	10.0 - 30.0% of mass 198	32800	23.5	Pass
365	1.0 - 100.0% of mass 198	4992	3.58	Pass
441	Present, but less than mass 443	10194	7.32 (73.9) ^b	Pass
442	40.0 - 100.0% of mass 198	67480	48.4	Pass
443	17.0 - 23.0% of mass 442	13800	9.90 (20.5) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ6044-CC6036	Z121865.D	05/19/17	10:52	00:16	Continuing cal 25
EZ6044-CC6037	Z121866.D	05/19/17	11:19	00:43	Continuing cal 25
OP2948-MB1	Z121867.D	05/19/17	11:46	01:10	Method Blank
OP2948-BS1	Z121868.D	05/19/17	12:13	01:37	Blank Spike
JC43253-10	Z121869.D	05/19/17	12:40	02:04	B-13GW
ZZZZZZ	Z121892.D	05/19/17	13:07	02:31	(unrelated sample)
JC43253-7	Z121870.D	05/19/17	13:35	02:59	B-9GW
JC43253-8	Z121871.D	05/19/17	14:02	03:26	B-10GW
JC43253-9	Z121872.D	05/19/17	14:29	03:53	B-11GW
ZZZZZZ	Z121873.D	05/19/17	14:57	04:21	(unrelated sample)
OP2948-MS	Z121874.D	05/19/17	15:24	04:48	Matrix Spike
OP2948-MSD	Z121875.D	05/19/17	15:52	05:16	Matrix Spike Duplicate
ZZZZZZ	Z121876.D	05/19/17	16:19	05:43	(unrelated sample)
ZZZZZZ	Z121877.D	05/19/17	16:46	06:10	(unrelated sample)
ZZZZZZ	Z121878.D	05/19/17	17:14	06:38	(unrelated sample)
ZZZZZZ	Z121879.D	05/19/17	17:41	07:05	(unrelated sample)
ZZZZZZ	Z121880.D	05/19/17	18:08	07:32	(unrelated sample)
ZZZZZZ	Z121881.D	05/19/17	18:35	07:59	(unrelated sample)
ZZZZZZ	Z121882.D	05/19/17	19:02	08:26	(unrelated sample)

Instrument Performance Check (DFTPP)

Page 2 of 2

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EZ6044-DFTPP
Lab File ID: Z121864.D
Instrument ID: GCMSZ
Injection Date: 05/19/17
Injection Time: 10:36

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	Z121883.D	05/19/17	19:29	08:53	(unrelated sample)
ZZZZZZ	Z121884.D	05/19/17	19:56	09:20	(unrelated sample)
ZZZZZZ	Z121885.D	05/19/17	20:23	09:47	(unrelated sample)
ZZZZZZ	Z121886.D	05/19/17	20:50	10:14	(unrelated sample)
ZZZZZZ	Z121887.D	05/19/17	21:17	10:41	(unrelated sample)
ZZZZZZ	Z121888.D	05/19/17	21:44	11:08	(unrelated sample)
ZZZZZZ	Z121889.D	05/19/17	22:11	11:35	(unrelated sample)

6.4.18

6

Semivolatile Surrogate Recovery Summary

Job Number: JC43253
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Method: SW846 8270D	Matrix: AQ
---------------------	------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JC43253-7	Z121870.D	45	31	92	77	77	84
JC43253-8	Z121871.D	47	32	103	85	82	94
JC43253-9	Z121872.D	45	31	95	77	75	93
JC43253-10	Z121869.D	42	30	87	77	74	70
OP2948-BS1	Z121868.D	58	39	94	88	75	104
OP2948-MB1	Z121867.D	44	29	85	77	71	99
OP2948-MS	Z121874.D	49	34	85	80	72	73
OP2948-MSD	Z121875.D	49	33	87	74	67	66

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-110%
S2 = Phenol-d5	10-110%
S3 = 2,4,6-Tribromophenol	36-151%
S4 = Nitrobenzene-d5	34-128%
S5 = 2-Fluorobiphenyl	38-119%
S6 = Terphenyl-d14	26-129%

6.5.1
6

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JC43253

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Method: SW846 8270D

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JC43253-1	P114069.D	67	69	88	65	78	87
JC43253-2	P114070.D	71	71	83	74	79	88
JC43253-4	P114071.D	70	69	79	73	74	86
JC43253-6	P114072.D	65	66	71	72	76	79
OP2859-BS1	F167288.D	73	76	87	94	90	113
OP2859-BS1	3E93645.D	85	83	110	83	88	116
OP2859-MB1	F167287.D	81	80	87	112	93	122
OP2859-MB1	3E93644.D	89	88	105	90	95	121
OP2859-MB1	P114066.D	86	87	95	88	94	105
OP2859-MS	3E93648.D	68	70	92	68	76	98
OP2859-MSD	3E93649.D	67	69	91	67	74	92

Surrogate Compounds

Recovery Limits

S1 = 2-Fluorophenol	23-115%
S2 = Phenol-d5	27-114%
S3 = 2,4,6-Tribromophenol	19-152%
S4 = Nitrobenzene-d5	26-134%
S5 = 2-Fluorobiphenyl	39-124%
S6 = Terphenyl-d14	36-134%

6.5.2

6

Technical Report for

Partner Engineering & Science

79 Hurley Avenue, Kingston, NY

17242956-EN

SGS Accutest Job Number: JC43407

Sampling Date: 05/15/17

Report to:

Partner Engineering & Science
611 Industrial Way West
Eatontown, NJ 07724
CHanna@PartnerESI.com

ATTN: Cilien Hanna

Total number of pages in report: **93**



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

Nancy F. Cole

Nancy Cole
Laboratory Director

Client Service contact: Kelly Patterson 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC,
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Test results relate only to samples analyzed.

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Sample Summary

Partner Engineering & Science

Job No: JC43407

79 Hurley Avenue, Kingston, NY
Project No: 17242956-EN

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JC43407-1	05/15/17	08:20 AH	05/16/17	SO	Soil	B-14
JC43407-2	05/15/17	09:30 AH	05/16/17	SO	Soil	B-15
JC43407-3	05/15/17	08:50 AH	05/16/17	AQ	Ground Water	B-14 GW
JC43407-4	05/15/17	10:00 AH	05/16/17	AQ	Ground Water	B-15 GW
JC43407-5	05/15/17	10:45 AH	05/16/17	AQ	Ground Water	MW-1

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

Summary of Hits

Page 1 of 1

Job Number: JC43407
Account: Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY
Collected: 05/15/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC43407-1	B-14					
Total TIC, Semi-Volatile		1.54 J			mg/kg	
JC43407-2	B-15					
Acetone		0.0224	0.0098	0.0049	mg/kg	SW846 8260C
Total TIC, Semi-Volatile		0.23 J			mg/kg	
JC43407-3	B-14 GW					
cis-1,2-Dichloroethene		0.38 J	1.0	0.31	ug/l	SW846 8260C
JC43407-4	B-15 GW					
cis-1,2-Dichloroethene		0.57 J	1.0	0.31	ug/l	SW846 8260C
Total TIC, Semi-Volatile		5.2 J			ug/l	
JC43407-5	MW-1					
Methyl Tert Butyl Ether		0.51 J	1.0	0.34	ug/l	SW846 8260C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	B-14		
Lab Sample ID:	JC43407-1	Date Sampled:	05/15/17
Matrix:	SO - Soil	Date Received:	05/16/17
Method:	SW846 8260C SW846 5035	Percent Solids:	79.1
Project:	79 Hurley Avenue, Kingston, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y172520.D	1	05/19/17 11:00	PS	05/17/17 08:00	n/a	VY7461
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.010	0.0051	mg/kg	
71-43-2	Benzene	ND	0.00051	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0051	0.00033	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00015	mg/kg	
75-25-2	Bromoform	ND	0.0051	0.00027	mg/kg	
74-83-9	Bromomethane	ND	0.0051	0.00049	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0018	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00017	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00017	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00017	mg/kg	
75-00-3	Chloroethane	ND	0.0051	0.00044	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.00024	mg/kg	
74-87-3	Chloromethane	ND	0.0051	0.00022	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00056	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00049	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00015	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00025	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00017	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00014	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00016	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0051	0.00056	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00019	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00017	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00016	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00045	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00016	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00032	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00020	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00023	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0051	0.00049	mg/kg	
591-78-6	2-Hexanone	ND	0.0051	0.0014	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-14	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-1	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.00016	mg/kg	
79-20-9	Methyl Acetate	ND	0.0051	0.0021	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0020	0.00051	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00027	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0051	0.00087	mg/kg	
75-09-2	Methylene chloride	ND	0.0051	0.0010	mg/kg	
100-42-5	Styrene	ND	0.0020	0.00015	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00024	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0020	0.00029	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0051	0.00051	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0051	0.00051	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00017	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00033	mg/kg	
79-01-6	Trichloroethene	ND	0.0010	0.00019	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0051	0.00064	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00021	mg/kg	
	m,p-Xylene	ND	0.0010	0.00022	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00021	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00021	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		72-129%
17060-07-0	1,2-Dichloroethane-D4	97%		73-132%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	105%		77-125%

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

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

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

Report of Analysis

Client Sample ID:	B-14		
Lab Sample ID:	JC43407-1	Date Sampled:	05/15/17
Matrix:	SO - Soil	Date Received:	05/16/17
Method:	SW846 8270D SW846 3546	Percent Solids:	79.1
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M134302.D	1	05/22/17 11:55	AN	05/20/17	OP2987	EM5760
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.081	0.020	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.025	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.034	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.072	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.20	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.20	0.043	mg/kg	
95-48-7	2-Methylphenol	ND	0.081	0.026	mg/kg	
	3&4-Methylphenol	ND	0.081	0.033	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.027	mg/kg	
100-02-7	4-Nitrophenol	ND	0.40	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.16	0.038	mg/kg	
108-95-2	Phenol	ND	0.081	0.021	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.027	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.030	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.024	mg/kg	
83-32-9	Acenaphthene	ND	0.040	0.014	mg/kg	
208-96-8	Acenaphthylene	ND	0.040	0.021	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0087	mg/kg	
120-12-7	Anthracene	ND	0.040	0.025	mg/kg	
1912-24-9	Atrazine	ND	0.081	0.017	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.040	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.040	0.018	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.040	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.040	0.019	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.081	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.081	0.0099	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.081	0.0055	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.081	0.0096	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.015	mg/kg	
86-74-8	Carbazole	ND	0.081	0.0059	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-14	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-1	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.081	0.016	mg/kg	
218-01-9	Chrysene	ND	0.040	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.081	0.0086	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.081	0.017	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.081	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.081	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.040	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.040	0.020	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.081	0.034	mg/kg	
123-91-1	1,4-Dioxane	ND	0.040	0.027	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.040	0.018	mg/kg	
132-64-9	Dibenzofuran	ND	0.081	0.016	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.081	0.0066	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.081	0.010	mg/kg	
84-66-2	Diethyl phthalate	ND	0.081	0.0086	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.081	0.0072	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.081	0.0095	mg/kg	
206-44-0	Fluoranthene	ND	0.040	0.018	mg/kg	
86-73-7	Fluorene	ND	0.040	0.019	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.081	0.010	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.040	0.016	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.40	0.016	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.040	0.019	mg/kg	
78-59-1	Isophorone	ND	0.081	0.0086	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.081	0.0091	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.0095	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.010	mg/kg	
91-20-3	Naphthalene	ND	0.040	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.081	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.081	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.015	mg/kg	
85-01-8	Phenanthrene	ND	0.040	0.014	mg/kg	
129-00-0	Pyrene	ND	0.040	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-14	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-1	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	66%		27-114%
118-79-6	2,4,6-Tribromophenol	82%		19-152%
4165-60-0	Nitrobenzene-d5	80%		26-134%
321-60-8	2-Fluorobiphenyl	71%		39-124%
1718-51-0	Terphenyl-d14	87%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.19	.46	mg/kg	J
	system artifact	2.58	.19	mg/kg	J
	system artifact	3.10	3	mg/kg	J
	system artifact	3.20	1.8	mg/kg	J
	system artifact	3.31	.22	mg/kg	J
	system artifact	3.43	.22	mg/kg	J
	system artifact/aldol-condensation	3.60	23	mg/kg	J
	Hexanedione	4.20	1.3	mg/kg	J
	unknown	4.98	.24	mg/kg	J
	Total TIC, Semi-Volatile		1.54	mg/kg	J

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-15		
Lab Sample ID:	JC43407-2	Date Sampled:	05/15/17
Matrix:	SO - Soil	Date Received:	05/16/17
Method:	SW846 8260C SW846 5035	Percent Solids:	81.3
Project:	79 Hurley Avenue, Kingston, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y172521.D	1	05/19/17 11:28	PS	05/17/17 08:00	n/a	VY7461
Run #2							

	Initial Weight
Run #1	6.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0224	0.0098	0.0049	mg/kg	
71-43-2	Benzene	ND	0.00049	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0049	0.00031	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00015	mg/kg	
75-25-2	Bromoform	ND	0.0049	0.00026	mg/kg	
74-83-9	Bromomethane	ND	0.0049	0.00047	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0098	0.0017	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00017	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00016	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00016	mg/kg	
75-00-3	Chloroethane	ND	0.0049	0.00042	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.00023	mg/kg	
74-87-3	Chloromethane	ND	0.0049	0.00021	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00053	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00047	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00015	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00098	0.00024	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00098	0.00017	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00098	0.00013	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00098	0.00015	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0049	0.00053	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00098	0.00018	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00098	0.00017	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00098	0.00015	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00098	0.00043	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00098	0.00015	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00030	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00022	mg/kg	
100-41-4	Ethylbenzene	ND	0.00098	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0049	0.00047	mg/kg	
591-78-6	2-Hexanone	ND	0.0049	0.0014	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-15	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-2	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	81.3
Method:	SW846 8260C SW846 5035		
Project:	79 Hurley Avenue, Kingston, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.00015	mg/kg	
79-20-9	Methyl Acetate	ND	0.0049	0.0020	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0020	0.00049	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00098	0.00026	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0049	0.00083	mg/kg	
75-09-2	Methylene chloride	ND	0.0049	0.00098	mg/kg	
100-42-5	Styrene	ND	0.0020	0.00014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00023	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0020	0.00027	mg/kg	
108-88-3	Toluene	ND	0.00098	0.00012	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0049	0.00049	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0049	0.00049	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00016	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00032	mg/kg	
79-01-6	Trichloroethene	ND	0.00098	0.00019	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0049	0.00061	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00020	mg/kg	
	m,p-Xylene	ND	0.00098	0.00021	mg/kg	
95-47-6	o-Xylene	ND	0.00098	0.00020	mg/kg	
1330-20-7	Xylene (total)	ND	0.00098	0.00020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		72-129%
17060-07-0	1,2-Dichloroethane-D4	97%		73-132%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	107%		77-125%

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-15	
Lab Sample ID:	JC43407-2	Date Sampled: 05/15/17
Matrix:	SO - Soil	Date Received: 05/16/17
Method:	SW846 8270D SW846 3546	Percent Solids: 81.3
Project:	79 Hurley Avenue, Kingston, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M134303.D	1	05/22/17 12:25	AN	05/20/17	OP2987	EM5760
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.080	0.020	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.024	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.034	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.071	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.20	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.20	0.043	mg/kg	
95-48-7	2-Methylphenol	ND	0.080	0.025	mg/kg	
	3&4-Methylphenol	ND	0.080	0.033	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.026	mg/kg	
100-02-7	4-Nitrophenol	ND	0.40	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.16	0.037	mg/kg	
108-95-2	Phenol	ND	0.080	0.021	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.026	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.030	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.024	mg/kg	
83-32-9	Acenaphthene	ND	0.040	0.014	mg/kg	
208-96-8	Acenaphthylene	ND	0.040	0.020	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0086	mg/kg	
120-12-7	Anthracene	ND	0.040	0.024	mg/kg	
1912-24-9	Atrazine	ND	0.080	0.017	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.040	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.040	0.018	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.040	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.040	0.019	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.080	0.015	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.080	0.0097	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.080	0.0055	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.0099	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.080	0.0095	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.014	mg/kg	
86-74-8	Carbazole	ND	0.080	0.0058	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-15	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-2	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	81.3
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.080	0.016	mg/kg	
218-01-9	Chrysene	ND	0.040	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.080	0.0085	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.080	0.017	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.080	0.014	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.080	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.040	0.012	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.040	0.020	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.080	0.033	mg/kg	
123-91-1	1,4-Dioxane	ND	0.040	0.026	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.040	0.018	mg/kg	
132-64-9	Dibenzofuran	ND	0.080	0.016	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.080	0.0065	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.080	0.0099	mg/kg	
84-66-2	Diethyl phthalate	ND	0.080	0.0085	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.080	0.0071	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.080	0.0093	mg/kg	
206-44-0	Fluoranthene	ND	0.040	0.018	mg/kg	
86-73-7	Fluorene	ND	0.040	0.018	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.080	0.010	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.040	0.016	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.40	0.016	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.040	0.019	mg/kg	
78-59-1	Isophorone	ND	0.080	0.0085	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.080	0.0090	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.0094	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.010	mg/kg	
91-20-3	Naphthalene	ND	0.040	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.080	0.015	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.080	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.015	mg/kg	
85-01-8	Phenanthrene	ND	0.040	0.013	mg/kg	
129-00-0	Pyrene	ND	0.040	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-15	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-2	Date Received:	05/16/17
Matrix:	SO - Soil	Percent Solids:	81.3
Method:	SW846 8270D SW846 3546		
Project:	79 Hurley Avenue, Kingston, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	74%		27-114%
118-79-6	2,4,6-Tribromophenol	92%		19-152%
4165-60-0	Nitrobenzene-d5	78%		26-134%
321-60-8	2-Fluorobiphenyl	75%		39-124%
1718-51-0	Terphenyl-d14	90%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.10	.39	mg/kg	J
	system artifact	3.20	.19	mg/kg	J
	system artifact/aldol-condensation	3.58	11	mg/kg	J
10544-50-0	Cyclic octaatomic sulfur	13.33	.23	mg/kg	JN
	Total TIC, Semi-Volatile		.23	mg/kg	J

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

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

Report of Analysis

Client Sample ID:	B-14 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-3	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D166844.D	1	05/20/17 01:19	EC	n/a	n/a	V2D6996
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	0.38	1.0	0.31	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-14 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-3	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

VOA TCL List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		76-120%
17060-07-0	1,2-Dichloroethane-D4	106%		73-122%
2037-26-5	Toluene-D8	98%		84-119%
460-00-4	4-Bromofluorobenzene	107%		78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.43	390	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-14 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-3	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P114095.D	1	05/23/17 05:31	JJ	05/21/17	OP3013	EP5092
Run #2							

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

ABN TCL List (SOM0 2.0)

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-14 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-3	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

ABN TCL List (SOM0 2.0)

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		10-110%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-14 GW	Date Sampled: 05/15/17
Lab Sample ID: JC43407-3	Date Received: 05/16/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270D SW846 3510C	
Project: 79 Hurley Avenue, Kingston, NY	

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	27%		10-110%
118-79-6	2,4,6-Tribromophenol	88%		36-151%
4165-60-0	Nitrobenzene-d5	68%		34-128%
321-60-8	2-Fluorobiphenyl	74%		38-119%
1718-51-0	Terphenyl-d14	58%		26-129%

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

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

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

Report of Analysis

Client Sample ID:	B-15 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-4	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D166845.D	1	05/20/17 01:49	EC	n/a	n/a	V2D6996
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	0.57	1.0	0.31	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-15 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-4	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

VOA TCL List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		76-120%
17060-07-0	1,2-Dichloroethane-D4	107%		73-122%
2037-26-5	Toluene-D8	98%		84-119%
460-00-4	4-Bromofluorobenzene	107%		78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.44	420	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-15 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-4	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P114096.D	1	05/23/17 06:00	JJ	05/21/17	OP3013	EP5092
Run #2							

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

ABN TCL List (SOM0 2.0)

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

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-15 GW	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-4	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

ABN TCL List (SOM0 2.0)

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		10-110%

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E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-15 GW	Date Sampled: 05/15/17
Lab Sample ID: JC43407-4	Date Received: 05/16/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270D SW846 3510C	
Project: 79 Hurley Avenue, Kingston, NY	

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	31%		10-110%
118-79-6	2,4,6-Tribromophenol	100%		36-151%
4165-60-0	Nitrobenzene-d5	73%		34-128%
321-60-8	2-Fluorobiphenyl	79%		38-119%
1718-51-0	Terphenyl-d14	66%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
10544-50-0	Cyclic octaatomic sulfur	11.42	5.2	ug/l	JN
	Total TIC, Semi-Volatile		5.2	ug/l	J

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

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

Report of Analysis

Client Sample ID:	MW-1	
Lab Sample ID:	JC43407-5	Date Sampled: 05/15/17
Matrix:	AQ - Ground Water	Date Received: 05/16/17
Method:	SW846 8260C	Percent Solids: n/a
Project:	79 Hurley Avenue, Kingston, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D166846.D	1	05/20/17 02:19	EC	n/a	n/a	V2D6996
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

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

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-5	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	79 Hurley Avenue, Kingston, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.51	1.0	0.34	ug/l	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%
17060-07-0	1,2-Dichloroethane-D4	106%		73-122%
2037-26-5	Toluene-D8	98%		84-119%
460-00-4	4-Bromofluorobenzene	106%		78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.43	310	ug/l	J
	Total TIC, Volatile		0	ug/l	

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1	
Lab Sample ID:	JC43407-5	Date Sampled: 05/15/17
Matrix:	AQ - Ground Water	Date Received: 05/16/17
Method:	SW846 8270D SW846 3510C	Percent Solids: n/a
Project:	79 Hurley Avenue, Kingston, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P114097.D	1	05/23/17 06:29	JJ	05/21/17	OP3013	EP5092
Run #2							

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

ABN TCL List (SOM0 2.0)

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

ND = Not detected MDL = Method Detection Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-5	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

ABN TCL List (SOM0 2.0)

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

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

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	05/15/17
Lab Sample ID:	JC43407-5	Date Received:	05/16/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	79 Hurley Avenue, Kingston, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	29%		10-110%
118-79-6	2,4,6-Tribromophenol	96%		36-151%
4165-60-0	Nitrobenzene-d5	78%		34-128%
321-60-8	2-Fluorobiphenyl	84%		38-119%
1718-51-0	Terphenyl-d14	80%		26-129%

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

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

305 Acornest - Dayton
2220 Route 130, Dayton, NJ 05400
TEL: 732-229-6000 FAX: 732-325-1499/1497
www.daytonest.com

ACCIDENTAL RELEASE MNR Form 101 (Rev. 01-08-80) TEL 732-329-6200 FAX 732-329-6000 www.nj.gov/accident		N.J. State Police 602-444-2600		N.J. State Police 602-444-2600	
Case Name Partner		Project Name 17242956-EN		Mobile Code 3643407	
Address 601 Industrial Way W Eatontown, NJ 07724		City Eatontown, NJ		State NJ	
Company Name Chroma@partners.com		Project Number 17242956-EN		Street Address AP	
Phone 732-380-1700		City Eatontown, NJ		State NJ	
Project Manager R. Hassler		Project Manager C. Hynes		Attention AP	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	
Site 1 B-14 2 B-15 3 B-14GJ 4 B-15GJ 5 MV-1		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15		Site 1 B-15 2 B-15 3 B-15 4 B-15 5 B-15	

SGS Accutest Sample Receipt Summary

Job Number: JC43407

Client: Partner

Project: 17242956 EN

Date / Time Received: 5/16/2017 2:15:00 PM

Delivery Method: Accutest Courier

Airbill #s:
Cooler Temps (Raw Measured) °C: Cooler 1: (3.5);

Cooler Temps (Corrected) °C: Cooler 1: (4.9);

Cooler Security
Y or N
Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature
Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | IR Gun | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation
Y or N
N/A

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☒ | ☐ |
| 2. Trip Blank listed on COC: | ☐ | ☒ | ☐ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☒ | ☐ | ☐ |

Sample Integrity - Documentation
Y or N

- | | | |
|--|-------------------------------------|-------------------------------------|
| 1. Sample labels present on bottles: | ☐ | ☒ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition
Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions
Y or N
N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Comments -3 & -4 VOC vials rec'd without individual labels on vials. 1 label was present on outside of bag. Samples set up accordingly.

SM089-02
Rev. Date 12/1/16

JC43407: Chain of Custody

Page 2 of 3

Response:

Response: Proceed with analysis

GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Page 1 of 2

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7461-MB	Y172517.D	1	05/19/17	PS	n/a	n/a	VY7461

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43407-1, JC43407-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/kg	
71-43-2	Benzene	ND	0.50	0.12	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.32	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.15	ug/kg	
75-25-2	Bromoform	ND	5.0	0.27	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	1.8	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.16	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.43	ug/kg	
67-66-3	Chloroform	ND	2.0	0.24	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.21	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.55	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.48	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.15	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.24	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.17	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.14	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.15	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.55	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.17	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.15	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.44	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.16	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.31	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.20	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.22	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.15	ug/kg	
76-13-1	Freon 113	ND	5.0	0.48	ug/kg	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	0.15	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.0	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.51	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.27	ug/kg	

Method Blank Summary

Page 2 of 2

Job Number: JC43407

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7461-MB	Y172517.D	1	05/19/17	PS	n/a	n/a	VY7461

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43407-1, JC43407-2

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.85	ug/kg	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/kg	
100-42-5	Styrene	ND	2.0	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.24	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.28	ug/kg	
108-88-3	Toluene	ND	1.0	0.13	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.17	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.32	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.19	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.63	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.20	ug/kg	
	m,p-Xylene	ND	1.0	0.22	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.20	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.20	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	102% 72-129%
17060-07-0	1,2-Dichloroethane-D4	92% 73-132%
2037-26-5	Toluene-D8	100% 80-120%
460-00-4	4-Bromofluorobenzene	107% 77-125%

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

Method Blank Summary

Page 1 of 2

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2D6996-MB	2D166837.D	1	05/19/17	EC	n/a	n/a	V2D6996

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43407-3, JC43407-4, JC43407-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	

Method Blank Summary

Page 2 of 2

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2D6996-MB	2D166837.D	1	05/19/17	EC	n/a	n/a	V2D6996

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43407-3, JC43407-4, JC43407-5

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

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	99% 76-120%
17060-07-0	1,2-Dichloroethane-D4	105% 73-122%
2037-26-5	Toluene-D8	99% 84-119%
460-00-4	4-Bromofluorobenzene	108% 78-117%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.45	31	ug/l	J
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Page 1 of 2

Job Number: JC43407

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7461-BS	Y172518.D	1	05/19/17	PS	n/a	n/a	VY7461

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43407-1, JC43407-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	200	171	86	45-144
71-43-2	Benzene	50	46.7	93	76-117
74-97-5	Bromochloromethane	50	48.8	98	82-121
75-27-4	Bromodichloromethane	50	45.7	91	76-121
75-25-2	Bromoform	50	42.0	84	78-129
74-83-9	Bromomethane	50	56.1	112	61-137
78-93-3	2-Butanone (MEK)	200	206	103	70-136
75-15-0	Carbon disulfide	50	54.9	110	68-135
56-23-5	Carbon tetrachloride	50	48.6	97	74-139
108-90-7	Chlorobenzene	50	46.9	94	80-118
75-00-3	Chloroethane	50	62.8	126	63-133
67-66-3	Chloroform	50	47.5	95	79-125
74-87-3	Chloromethane	50	63.7	127	56-138
110-82-7	Cyclohexane	50	47.7	95	64-139
96-12-8	1,2-Dibromo-3-chloropropane	50	44.3	89	76-125
124-48-1	Dibromochloromethane	50	44.8	90	78-125
106-93-4	1,2-Dibromoethane	50	44.8	90	77-120
95-50-1	1,2-Dichlorobenzene	50	45.5	91	77-119
541-73-1	1,3-Dichlorobenzene	50	46.3	93	75-117
106-46-7	1,4-Dichlorobenzene	50	45.6	91	76-116
75-71-8	Dichlorodifluoromethane	50	58.2	116	47-152
75-34-3	1,1-Dichloroethane	50	52.6	105	75-124
107-06-2	1,2-Dichloroethane	50	43.5	87	72-132
75-35-4	1,1-Dichloroethene	50	53.3	107	71-134
156-59-2	cis-1,2-Dichloroethene	50	48.4	97	73-116
156-60-5	trans-1,2-Dichloroethene	50	54.3	109	73-124
78-87-5	1,2-Dichloropropane	50	50.8	102	78-118
10061-01-5	cis-1,3-Dichloropropene	50	47.1	94	79-120
10061-02-6	trans-1,3-Dichloropropene	50	45.4	91	77-121
100-41-4	Ethylbenzene	50	47.7	95	77-118
76-13-1	Freon 113	50	48.3	97	70-162
591-78-6	2-Hexanone	200	202	101	66-133
98-82-8	Isopropylbenzene	50	47.6	95	72-129
79-20-9	Methyl Acetate	50	45.9	92	62-132
108-87-2	Methylcyclohexane	50	49.8	100	64-138
1634-04-4	Methyl Tert Butyl Ether	50	45.6	91	73-119

* = Outside of Control Limits.

Blank Spike Summary

Page 2 of 2

Job Number: JC43407

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY7461-BS	Y172518.D	1	05/19/17	PS	n/a	n/a	VY7461

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43407-1, JC43407-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	202	101	72-133
75-09-2	Methylene chloride	50	49.8	100	72-120
100-42-5	Styrene	50	47.1	94	79-118
79-34-5	1,1,2,2-Tetrachloroethane	50	47.7	95	72-120
127-18-4	Tetrachloroethene	50	45.8	92	70-132
108-88-3	Toluene	50	48.1	96	76-118
87-61-6	1,2,3-Trichlorobenzene	50	47.6	95	71-132
120-82-1	1,2,4-Trichlorobenzene	50	49.0	98	76-132
71-55-6	1,1,1-Trichloroethane	50	49.3	99	78-138
79-00-5	1,1,2-Trichloroethane	50	47.0	94	79-117
79-01-6	Trichloroethene	50	49.0	98	79-124
75-69-4	Trichlorofluoromethane	50	54.4	109	64-142
75-01-4	Vinyl chloride	50	65.2	130	55-139
	m,p-Xylene	100	92.0	92	79-119
95-47-6	o-Xylene	50	46.9	94	77-122
1330-20-7	Xylene (total)	150	139	93	79-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	72-129%
17060-07-0	1,2-Dichloroethane-D4	91%	73-132%
2037-26-5	Toluene-D8	101%	80-120%
460-00-4	4-Bromofluorobenzene	101%	77-125%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 2

Job Number: JC43407

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2D6996-BS	2D166838.D	1	05/19/17	EC	n/a	n/a	V2D6996

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43407-3, JC43407-4, JC43407-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	222	111	49-137
71-43-2	Benzene	50	49.6	99	80-118
74-97-5	Bromochloromethane	50	50.9	102	84-120
75-27-4	Bromodichloromethane	50	51.6	103	83-119
75-25-2	Bromoform	50	54.8	110	77-126
74-83-9	Bromomethane	50	53.5	107	57-133
78-93-3	2-Butanone (MEK)	200	211	106	71-127
75-15-0	Carbon disulfide	50	56.7	113	61-144
56-23-5	Carbon tetrachloride	50	56.8	114	77-134
108-90-7	Chlorobenzene	50	49.9	100	85-116
75-00-3	Chloroethane	50	53.9	108	62-133
67-66-3	Chloroform	50	48.9	98	84-125
74-87-3	Chloromethane	50	53.6	107	51-134
110-82-7	Cyclohexane	50	60.3	121	60-134
96-12-8	1,2-Dibromo-3-chloropropane	50	52.0	104	71-124
124-48-1	Dibromochloromethane	50	50.7	101	82-121
106-93-4	1,2-Dibromoethane	50	52.4	105	79-120
95-50-1	1,2-Dichlorobenzene	50	51.2	102	84-117
541-73-1	1,3-Dichlorobenzene	50	48.1	96	83-114
106-46-7	1,4-Dichlorobenzene	50	49.2	98	83-115
75-71-8	Dichlorodifluoromethane	50	60.3	121	43-135
75-34-3	1,1-Dichloroethane	50	51.4	103	79-124
107-06-2	1,2-Dichloroethane	50	52.3	105	81-127
75-35-4	1,1-Dichloroethene	50	52.1	104	69-136
156-59-2	cis-1,2-Dichloroethene	50	49.5	99	79-118
156-60-5	trans-1,2-Dichloroethene	50	49.5	99	73-125
78-87-5	1,2-Dichloropropane	50	54.0	108	81-118
10061-01-5	cis-1,3-Dichloropropene	50	55.4	111	86-119
10061-02-6	trans-1,3-Dichloropropene	50	52.3	105	84-121
100-41-4	Ethylbenzene	50	50.7	101	84-115
76-13-1	Freon 113	50	60.8	122	67-159
591-78-6	2-Hexanone	200	238	119	71-125
98-82-8	Isopropylbenzene	50	53.1	106	80-121
79-20-9	Methyl Acetate	50	53.0	106	69-126
108-87-2	Methylcyclohexane	50	64.1	128	61-138
1634-04-4	Methyl Tert Butyl Ether	50	56.6	113	80-121

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43407

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2D6996-BS	2D166838.D	1	05/19/17	EC	n/a	n/a	V2D6996

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43407-3, JC43407-4, JC43407-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	240	120	77-123
75-09-2	Methylene chloride	50	50.7	101	75-122
100-42-5	Styrene	50	53.9	108	86-118
79-34-5	1,1,2,2-Tetrachloroethane	50	53.0	106	74-119
127-18-4	Tetrachloroethene	50	52.4	105	70-134
108-88-3	Toluene	50	47.2	94	84-117
87-61-6	1,2,3-Trichlorobenzene	50	50.6	101	73-130
120-82-1	1,2,4-Trichlorobenzene	50	52.2	104	79-129
71-55-6	1,1,1-Trichloroethane	50	56.6	113	83-134
79-00-5	1,1,2-Trichloroethane	50	50.3	101	84-119
79-01-6	Trichloroethene	50	52.3	105	84-120
75-69-4	Trichlorofluoromethane	50	59.9	120	63-133
75-01-4	Vinyl chloride	50	54.8	110	55-121
	m,p-Xylene	100	103	103	85-117
95-47-6	o-Xylene	50	51.4	103	85-119
1330-20-7	Xylene (total)	150	154	103	85-117

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	76-120%
17060-07-0	1,2-Dichloroethane-D4	103%	73-122%
2037-26-5	Toluene-D8	93%	84-119%
460-00-4	4-Bromofluorobenzene	105%	78-117%

* = Outside of Control Limits.

Matrix Spike Summary

Page 1 of 2

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43407-2MS	Y172523.D	1	05/19/17	PS	n/a	n/a	VY7461
JC43407-2	Y172521.D	1	05/19/17	PS	n/a	n/a	VY7461

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43407-1, JC43407-2

CAS No.	Compound	JC43407-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	22.4		192	146	64	10-170
71-43-2	Benzene	ND		48	45.5	95	51-129
74-97-5	Bromochloromethane	ND		48	45.6	95	57-128
75-27-4	Bromodichloromethane	ND		48	44.6	93	48-134
75-25-2	Bromoform	ND		48	39.9	83	45-135
74-83-9	Bromomethane	ND		48	50.9	106	26-142
78-93-3	2-Butanone (MEK)	ND		192	178	93	30-151
75-15-0	Carbon disulfide	ND		48	50.7	106	39-144
56-23-5	Carbon tetrachloride	ND		48	48.6	101	47-146
108-90-7	Chlorobenzene	ND		48	46.5	97	48-133
75-00-3	Chloroethane	ND		48	58.8	122	22-143
67-66-3	Chloroform	ND		48	46.2	96	56-133
74-87-3	Chloromethane	ND		48	57.5	120	41-137
110-82-7	Cyclohexane	ND		48	48.7	101	30-150
96-12-8	1,2-Dibromo-3-chloropropane	ND		48	41.3	86	40-131
124-48-1	Dibromochloromethane	ND		48	43.2	90	52-130
106-93-4	1,2-Dibromoethane	ND		48	42.8	89	50-124
95-50-1	1,2-Dichlorobenzene	ND		48	43.6	91	36-134
541-73-1	1,3-Dichlorobenzene	ND		48	44.4	92	35-133
106-46-7	1,4-Dichlorobenzene	ND		48	43.7	91	35-133
75-71-8	Dichlorodifluoromethane	ND		48	54.1	113	31-144
75-34-3	1,1-Dichloroethane	ND		48	51.4	107	54-133
107-06-2	1,2-Dichloroethane	ND		48	41.0	85	53-130
75-35-4	1,1-Dichloroethene	ND		48	50.9	106	48-141
156-59-2	cis-1,2-Dichloroethene	ND		48	46.1	96	47-127
156-60-5	trans-1,2-Dichloroethene	ND		48	52.3	109	47-134
78-87-5	1,2-Dichloropropane	ND		48	49.6	103	55-126
10061-01-5	cis-1,3-Dichloropropene	ND		48	45.1	94	49-128
10061-02-6	trans-1,3-Dichloropropene	ND		48	43.2	90	45-128
100-41-4	Ethylbenzene	ND		48	47.3	98	40-136
76-13-1	Freon 113	ND		48	46.8	97	43-162
591-78-6	2-Hexanone	ND		192	184	96	21-156
98-82-8	Isopropylbenzene	ND		48	47.1	98	37-145
79-20-9	Methyl Acetate	ND		48	40.8	85	24-167
108-87-2	Methylcyclohexane	ND		48	48.7	101	15-155
1634-04-4	Methyl Tert Butyl Ether	ND		48	42.8	89	55-119

* = Outside of Control Limits.

Matrix Spike Summary

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43407-2MS	Y172523.D	1	05/19/17	PS	n/a	n/a	VY7461
JC43407-2	Y172521.D	1	05/19/17	PS	n/a	n/a	VY7461

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43407-1, JC43407-2

CAS No.	Compound	JC43407-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		192	177	92	38-141
75-09-2	Methylene chloride	ND		48	46.7	97	51-125
100-42-5	Styrene	ND		48	46.0	96	41-137
79-34-5	1,1,2,2-Tetrachloroethane	ND		48	45.7	95	35-136
127-18-4	Tetrachloroethene	ND		48	45.9	96	27-171
108-88-3	Toluene	ND		48	47.7	99	46-131
87-61-6	1,2,3-Trichlorobenzene	ND		48	41.3	86	12-148
120-82-1	1,2,4-Trichlorobenzene	ND		48	42.6	89	16-151
71-55-6	1,1,1-Trichloroethane	ND		48	48.6	101	54-144
79-00-5	1,1,2-Trichloroethane	ND		48	45.3	94	52-124
79-01-6	Trichloroethene	ND		48	47.8	99	45-145
75-69-4	Trichlorofluoromethane	ND		48	52.6	109	44-139
75-01-4	Vinyl chloride	ND		48	60.5	126	38-139
	m,p-Xylene	ND		96.1	91.2	95	39-138
95-47-6	o-Xylene	ND		48	46.5	97	42-139
1330-20-7	Xylene (total)	ND		144	138	96	40-139

CAS No.	Surrogate Recoveries	MS	JC43407-2	Limits
1868-53-7	Dibromofluoromethane	102%	104%	72-129%
17060-07-0	1,2-Dichloroethane-D4	89%	97%	73-132%
2037-26-5	Toluene-D8	103%	100%	80-120%
460-00-4	4-Bromofluorobenzene	103%	107%	77-125%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43242-1MS	2D166852.D	10	05/20/17	EC	n/a	n/a	V2D6996
JC43242-1MSD	2D166853.D	10	05/20/17	EC	n/a	n/a	V2D6996
JC43242-1	2D166849.D	10	05/20/17	EC	n/a	n/a	V2D6996

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43407-3, JC43407-4, JC43407-5

CAS No.	Compound	JC43242-1 ug/l	Spike Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2000	2200	110	2000	2090	105	5	39-143/16
71-43-2	Benzene	ND		500	525	105	500	503	101	4	54-138/11
74-97-5	Bromochloromethane	ND		500	541	108	500	506	101	7	79-123/11
75-27-4	Bromodichloromethane	ND		500	546	109	500	522	104	4	78-123/10
75-25-2	Bromoform	ND		500	578	116	500	557	111	4	71-128/11
74-83-9	Bromomethane	ND		500	548	110	500	517	103	6	52-140/16
78-93-3	2-Butanone (MEK)	ND		2000	2230	112	2000	2160	108	3	57-141/16
75-15-0	Carbon disulfide	ND		500	603	121	500	558	112	8	51-156/14
56-23-5	Carbon tetrachloride	ND		500	625	125	500	575	115	8	65-148/13
108-90-7	Chlorobenzene	ND		500	537	107	500	513	103	5	76-125/10
75-00-3	Chloroethane	8.8	J	500	563	111	500	530	104	6	55-142/16
67-66-3	Chloroform	ND		500	525	105	500	497	99	5	77-131/11
74-87-3	Chloromethane	ND		500	540	108	500	521	104	4	43-144/17
110-82-7	Cyclohexane	ND		500	634	127	500	582	116	9	41-160/18
96-12-8	1,2-Dibromo-3-chloropropane	ND		500	523	105	500	505	101	4	66-128/12
124-48-1	Dibromochloromethane	ND		500	539	108	500	520	104	4	77-124/10
106-93-4	1,2-Dibromoethane	ND		500	546	109	500	531	106	3	77-119/10
95-50-1	1,2-Dichlorobenzene	ND		500	541	108	500	524	105	3	78-122/10
541-73-1	1,3-Dichlorobenzene	ND		500	510	102	500	496	99	3	77-120/10
106-46-7	1,4-Dichlorobenzene	ND		500	520	104	500	509	102	2	75-122/10
75-71-8	Dichlorodifluoromethane	ND		500	604	121	500	561	112	7	31-155/20
75-34-3	1,1-Dichloroethane	48.8		500	589	108	500	557	102	6	71-131/12
107-06-2	1,2-Dichloroethane	9.5	J	500	565	111	500	543	107	4	72-135/11
75-35-4	1,1-Dichloroethene	ND		500	577	115	500	528	106	9	57-149/14
156-59-2	cis-1,2-Dichloroethene	1960		500	2210	50* a	500	2090	26* a	6	59-134/11
156-60-5	trans-1,2-Dichloroethene	215		500	698	97	500	662	89	5	64-134/12
78-87-5	1,2-Dichloropropane	ND		500	563	113	500	543	109	4	76-122/11
10061-01-5	cis-1,3-Dichloropropene	ND		500	564	113	500	548	110	3	80-124/10
10061-02-6	trans-1,3-Dichloropropene	ND		500	528	106	500	509	102	4	78-124/11
100-41-4	Ethylbenzene	ND		500	549	110	500	528	106	4	48-143/11
76-13-1	Freon 113	ND		500	693	139	500	633	127	9	56-179/17
591-78-6	2-Hexanone	ND		2000	2370	119	2000	2320	116	2	63-135/13
98-82-8	Isopropylbenzene	ND		500	572	114	500	548	110	4	70-131/12
79-20-9	Methyl Acetate	ND		500	529	106	500	514	103	3	60-127/13
108-87-2	Methylcyclohexane	ND		500	686	137	500	633	127	8	43-163/17
1634-04-4	Methyl Tert Butyl Ether	ND		500	591	118	500	563	113	5	70-127/11

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 2

Job Number: JC43407

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43242-1MS	2D166852.D	10	05/20/17	EC	n/a	n/a	V2D6996
JC43242-1MSD	2D166853.D	10	05/20/17	EC	n/a	n/a	V2D6996
JC43242-1	2D166849.D	10	05/20/17	EC	n/a	n/a	V2D6996

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43407-3, JC43407-4, JC43407-5

CAS No.	Compound	JC43242-1 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		2000	122	2000	2350	118	3	71-131/12
75-09-2	Methylene chloride	ND		500	109	500	508	102	7	69-127/12
100-42-5	Styrene	ND		500	114	500	552	110	3	76-128/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	110	500	539	108	2	70-122/10
127-18-4	Tetrachloroethene	170		500	107	500	685	103	3	55-144/12
108-88-3	Toluene	2.5	J	500	101	500	492	98	3	61-136/11
87-61-6	1,2,3-Trichlorobenzene	ND		500	102	500	497	99	2	68-135/13
120-82-1	1,2,4-Trichlorobenzene	ND		500	106	500	516	103	3	73-136/13
71-55-6	1,1,1-Trichloroethane	28.4		500	122	500	597	114	7	70-147/13
79-00-5	1,1,2-Trichloroethane	ND		500	106	500	517	103	3	78-122/10
79-01-6	Trichloroethene	123		500	108	500	634	102	4	62-141/11
75-69-4	Trichlorofluoromethane	ND		500	130	500	600	120	8	50-152/16
75-01-4	Vinyl chloride	ND		500	111	500	541	108	3	44-136/16
	m,p-Xylene	ND		1000	111	1000	1060	106	5	50-144/12
95-47-6	o-Xylene	ND		500	110	500	532	106	4	62-137/12
1330-20-7	Xylene (total)	ND		1500	111	1500	1590	106	4	56-141/11

CAS No.	Surrogate Recoveries	MS	MSD	JC43242-1	Limits
1868-53-7	Dibromofluoromethane	99%	98%	100%	76-120%
17060-07-0	1,2-Dichloroethane-D4	104%	103%	106%	73-122%
2037-26-5	Toluene-D8	95%	95%	99%	84-119%
460-00-4	4-Bromofluorobenzene	105%	106%	107%	78-117%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Duplicate Summary

Page 1 of 2

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43407-1DUP	Y172522.D	1	05/19/17	PS	n/a	n/a	VY7461
JC43407-1	Y172520.D	1	05/19/17	PS	n/a	n/a	VY7461

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43407-1, JC43407-2

CAS No.	Compound	JC43407-1 ug/kg	DUP Q ug/kg	Q	RPD	Limits
67-64-1	Acetone	ND	5.2	J	200* a	30
71-43-2	Benzene	ND	ND		nc	30
74-97-5	Bromochloromethane	ND	ND		nc	30
75-27-4	Bromodichloromethane	ND	ND		nc	30
75-25-2	Bromoform	ND	ND		nc	30
74-83-9	Bromomethane	ND	ND		nc	30
78-93-3	2-Butanone (MEK)	ND	ND		nc	30
75-15-0	Carbon disulfide	ND	ND		nc	30
56-23-5	Carbon tetrachloride	ND	ND		nc	30
108-90-7	Chlorobenzene	ND	ND		nc	30
75-00-3	Chloroethane	ND	ND		nc	30
67-66-3	Chloroform	ND	ND		nc	30
74-87-3	Chloromethane	ND	ND		nc	30
110-82-7	Cyclohexane	ND	ND		nc	30
96-12-8	1,2-Dibromo-3-chloropropane	ND	ND		nc	30
124-48-1	Dibromochloromethane	ND	ND		nc	30
106-93-4	1,2-Dibromoethane	ND	ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND	ND		nc	30
541-73-1	1,3-Dichlorobenzene	ND	ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND	ND		nc	30
75-71-8	Dichlorodifluoromethane	ND	ND		nc	30
75-34-3	1,1-Dichloroethane	ND	ND		nc	30
107-06-2	1,2-Dichloroethane	ND	ND		nc	30
75-35-4	1,1-Dichloroethene	ND	ND		nc	30
156-59-2	cis-1,2-Dichloroethene	ND	ND		nc	30
156-60-5	trans-1,2-Dichloroethene	ND	ND		nc	30
78-87-5	1,2-Dichloropropane	ND	ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND	ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND	ND		nc	30
100-41-4	Ethylbenzene	ND	ND		nc	30
76-13-1	Freon 113	ND	ND		nc	30
591-78-6	2-Hexanone	ND	ND		nc	30
98-82-8	Isopropylbenzene	ND	ND		nc	11
79-20-9	Methyl Acetate	ND	ND		nc	30
108-87-2	Methylcyclohexane	ND	ND		nc	30
1634-04-4	Methyl Tert Butyl Ether	ND	ND		nc	30

* = Outside of Control Limits.

Duplicate Summary

Page 2 of 2

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC43407-1DUP	Y172522.D	1	05/19/17	PS	n/a	n/a	VY7461
JC43407-1	Y172520.D	1	05/19/17	PS	n/a	n/a	VY7461

The QC reported here applies to the following samples:

Method: SW846 8260C

JC43407-1, JC43407-2

CAS No.	Compound	JC43407-1 ug/kg	DUP Q	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	ND		nc	30
75-09-2	Methylene chloride	ND	ND		nc	30
100-42-5	Styrene	ND	ND		nc	30
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND		nc	30
127-18-4	Tetrachloroethene	ND	ND		nc	30
108-88-3	Toluene	ND	ND		nc	30
87-61-6	1,2,3-Trichlorobenzene	ND	ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND	ND		nc	30
71-55-6	1,1,1-Trichloroethane	ND	ND		nc	30
79-00-5	1,1,2-Trichloroethane	ND	ND		nc	30
79-01-6	Trichloroethene	ND	ND		nc	30
75-69-4	Trichlorofluoromethane	ND	ND		nc	30
75-01-4	Vinyl chloride	ND	ND		nc	30
	m,p-Xylene	ND	ND		nc	30
95-47-6	o-Xylene	ND	ND		nc	30
1330-20-7	Xylene (total)	ND	ND		nc	30

CAS No.	Surrogate Recoveries	DUP	JC43407-1	Limits
1868-53-7	Dibromofluoromethane	104%	106%	72-129%
17060-07-0	1,2-Dichloroethane-D4	93%	97%	73-132%
2037-26-5	Toluene-D8	100%	101%	80-120%
460-00-4	4-Bromofluorobenzene	106%	105%	77-125%

(a) High RPD due to low concentration of hit.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: V2D6949-BFB **Injection Date:** 04/13/17
Lab File ID: 2D165751.D **Injection Time:** 14:59
Instrument ID: GCMS2D

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	20840	17.4	Pass
75	30.0 - 60.0% of mass 95	55504	46.3	Pass
95	Base peak, 100% relative abundance	119952	100.0	Pass
96	5.0 - 9.0% of mass 95	7898	6.58	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	116344	97.0	Pass
175	5.0 - 9.0% of mass 174	8823	7.36 (7.58) ^a	Pass
176	95.0 - 101.0% of mass 174	113640	94.7 (97.7) ^a	Pass
177	5.0 - 9.0% of mass 176	7499	6.25 (6.60) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2D6949-IC6949	2D165752.D	04/13/17	15:29	00:30	Initial cal 0.2
V2D6949-IC6949	2D165753.D	04/13/17	15:59	01:00	Initial cal 0.5
V2D6949-IC6949	2D165754.D	04/13/17	16:29	01:30	Initial cal 1
V2D6949-IC6949	2D165755.D	04/13/17	16:59	02:00	Initial cal 2
V2D6949-IC6949	2D165756.D	04/13/17	17:29	02:30	Initial cal 5
V2D6949-IC6949	2D165757.D	04/13/17	17:59	03:00	Initial cal 10
V2D6949-IC6949	2D165758.D	04/13/17	18:29	03:30	Initial cal 20
V2D6949-ICC6949	2D165759.D	04/13/17	18:59	04:00	Initial cal 50
V2D6949-IC6949	2D165760.D	04/13/17	19:29	04:30	Initial cal 100
V2D6949-IC6949	2D165761.D	04/13/17	19:59	05:00	Initial cal 200
V2D6949-ICV6949	2D165764.D	04/13/17	21:28	06:29	Initial cal verification 50
V2D6949-ICV6949	2D165765.D	04/13/17	21:58	06:59	Initial cal verification 50

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: V2D6996-BFB **Injection Date:** 05/19/17
Lab File ID: 2D166836A.D **Injection Time:** 21:04
Instrument ID: GCMS2D

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	21245	18.1	Pass
75	30.0 - 60.0% of mass 95	53888	45.8	Pass
95	Base peak, 100% relative abundance	117627	100.0	Pass
96	5.0 - 9.0% of mass 95	7516	6.39	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	118861	101.0	Pass
175	5.0 - 9.0% of mass 174	9106	7.74 (7.66) ^a	Pass
176	95.0 - 101.0% of mass 174	115131	97.9 (96.9) ^a	Pass
177	5.0 - 9.0% of mass 176	7565	6.43 (6.57) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2D6996-CC6949	2D166836.D	05/19/17	21:04	00:00	Continuing cal 50
V2D6996-MB	2D166837.D	05/19/17	21:34	00:30	Method Blank
V2D6996-BS	2D166838.D	05/19/17	22:08	01:04	Blank Spike
ZZZZZZ	2D166840.D	05/19/17	23:18	02:14	(unrelated sample)
ZZZZZZ	2D166841.D	05/19/17	23:48	02:44	(unrelated sample)
ZZZZZZ	2D166842.D	05/20/17	00:18	03:14	(unrelated sample)
JC43407-3	2D166844.D	05/20/17	01:19	04:15	B-14 GW
JC43407-4	2D166845.D	05/20/17	01:49	04:45	B-15 GW
JC43407-5	2D166846.D	05/20/17	02:19	05:15	MW-1
ZZZZZZ	2D166847.D	05/20/17	02:49	05:45	(unrelated sample)
ZZZZZZ	2D166848.D	05/20/17	03:20	06:16	(unrelated sample)
JC43242-1	2D166849.D	05/20/17	03:50	06:46	(used for QC only; not part of job JC43407)
ZZZZZZ	2D166850.D	05/20/17	04:20	07:16	(unrelated sample)
ZZZZZZ	2D166851.D	05/20/17	04:50	07:46	(unrelated sample)
JC43242-1MS	2D166852.D	05/20/17	05:20	08:16	Matrix Spike
JC43242-1MSD	2D166853.D	05/20/17	05:50	08:46	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: VY7443-BFB
Lab File ID: Y172027.D
Instrument ID: GCMSY
Injection Date: 05/03/17
Injection Time: 01:23

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	13325	17.3	Pass
75	30.0 - 60.0% of mass 95	35496	46.0	Pass
95	Base peak, 100% relative abundance	77122	100.0	Pass
96	5.0 - 9.0% of mass 95	5268	6.83	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	77370	100.3	Pass
175	5.0 - 9.0% of mass 174	6015	7.80 (7.77) ^a	Pass
176	95.0 - 101.0% of mass 174	74554	96.7 (96.4) ^a	Pass
177	5.0 - 9.0% of mass 176	5133	6.66 (6.88) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY7443-IC7443	Y172029.D	05/03/17	02:25	01:02	Initial cal 0.5
VY7443-IC7443	Y172030.D	05/03/17	02:53	01:30	Initial cal 1
VY7443-IC7443	Y172031.D	05/03/17	03:21	01:58	Initial cal 2
VY7443-IC7443	Y172032.D	05/03/17	03:50	02:27	Initial cal 4
VY7443-IC7443	Y172033.D	05/03/17	04:18	02:55	Initial cal 8
VY7443-IC7443	Y172034.D	05/03/17	04:46	03:23	Initial cal 20
VY7443-ICC7443	Y172035.D	05/03/17	05:15	03:52	Initial cal 50
VY7443-IC7443	Y172036.D	05/03/17	05:43	04:20	Initial cal 100
VY7443-IC7443	Y172037.D	05/03/17	06:11	04:48	Initial cal 200
VY7443-ICV7443	Y172040.D	05/03/17	07:36	06:13	Initial cal verification 50
VY7443-ICV7443	Y172041.D	05/03/17	08:04	06:41	Initial cal verification 50

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: VY7461-BFB **Injection Date:** 05/19/17
Lab File ID: Y172516A.D **Injection Time:** 08:02
Instrument ID: GCMSY

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	21563	16.5	Pass
75	30.0 - 60.0% of mass 95	58099	44.4	Pass
95	Base peak, 100% relative abundance	130821	100.0	Pass
96	5.0 - 9.0% of mass 95	8430	6.44	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	126080	96.4	Pass
175	5.0 - 9.0% of mass 174	9493	7.26 (7.53) ^a	Pass
176	95.0 - 101.0% of mass 174	124019	94.8 (98.4) ^a	Pass
177	5.0 - 9.0% of mass 176	8099	6.19 (6.53) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY7461-CC7443	Y172516.D	05/19/17	08:02	00:00	Continuing cal 20
VY7461-MB	Y172517.D	05/19/17	09:13	01:11	Method Blank
ZZZZZZ	Y172517A.D	05/19/17	09:13	01:11	(unrelated sample)
VY7461-BS	Y172518.D	05/19/17	09:52	01:50	Blank Spike
JC43407-1	Y172520.D	05/19/17	11:00	02:58	B-14
JC43407-2	Y172521.D	05/19/17	11:28	03:26	B-15
JC43407-1DUP	Y172522.D	05/19/17	12:12	04:10	Duplicate
JC43407-2MS	Y172523.D	05/19/17	12:40	04:38	Matrix Spike
ZZZZZZ	Y172525.D	05/19/17	13:36	05:34	(unrelated sample)
ZZZZZZ	Y172526.D	05/19/17	14:04	06:02	(unrelated sample)
ZZZZZZ	Y172527.D	05/19/17	14:32	06:30	(unrelated sample)
ZZZZZZ	Y172528.D	05/19/17	15:00	06:58	(unrelated sample)
ZZZZZZ	Y172530.D	05/19/17	15:57	07:55	(unrelated sample)
ZZZZZZ	Y172531.D	05/19/17	16:25	08:23	(unrelated sample)
ZZZZZZ	Y172532.D	05/19/17	16:53	08:51	(unrelated sample)
ZZZZZZ	Y172533.D	05/19/17	17:21	09:19	(unrelated sample)
ZZZZZZ	Y172533A.D	05/19/17	20:26	12:24	(unrelated sample)

Volatile Surrogate Recovery Summary

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Method: SW846 8260C	Matrix: AQ
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JC43407-3	2D166844.D	100	106	98	107
JC43407-4	2D166845.D	100	107	98	107
JC43407-5	2D166846.D	101	106	98	106
JC43242-1MS	2D166852.D	99	104	95	105
JC43242-1MSD	2D166853.D	98	103	95	106
V2D6996-BS	2D166838.D	98	103	93	105
V2D6996-MB	2D166837.D	99	105	99	108

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	76-120%
S2 = 1,2-Dichloroethane-D4	73-122%
S3 = Toluene-D8	84-119%
S4 = 4-Bromofluorobenzene	78-117%

Volatile Surrogate Recovery Summary

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Method: SW846 8260C	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JC43407-1	Y172520.D	106	97	101	105
JC43407-2	Y172521.D	104	97	100	107
JC43407-1DUP	Y172522.D	104	93	100	106
JC43407-2MS	Y172523.D	102	89	103	103
VY7461-BS	Y172518.D	104	91	101	101
VY7461-MB	Y172517.D	102	92	100	107

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	72-129%
S2 = 1,2-Dichloroethane-D4	73-132%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	77-125%

5.7.2
 5

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Surrogate Recovery Summaries

Method Blank Summary

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2987-MB1	M134270.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-1, JC43407-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	67	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	28	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	36	ug/kg	
95-48-7	2-Methylphenol	ND	67	21	ug/kg	
	3&4-Methylphenol	ND	67	27	ug/kg	
88-75-5	2-Nitrophenol	ND	170	22	ug/kg	
100-02-7	4-Nitrophenol	ND	330	89	ug/kg	
87-86-5	Pentachlorophenol	ND	130	31	ug/kg	
108-95-2	Phenol	ND	67	17	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	25	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	33	11	ug/kg	
208-96-8	Acenaphthylene	ND	33	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.2	ug/kg	
120-12-7	Anthracene	ND	33	20	ug/kg	
1912-24-9	Atrazine	ND	67	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	8.1	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	4.6	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	7.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	67	4.8	ug/kg	
105-60-2	Caprolactam	ND	67	13	ug/kg	
218-01-9	Chrysene	ND	33	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	7.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	14	ug/kg	

Method Blank Summary

Page 2 of 3

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2987-MB1	M134270.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-1, JC43407-2

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	10	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	28	ug/kg	
123-91-1	1,4-Dioxane	ND	33	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	15	ug/kg	
132-64-9	Dibenzofuran	ND	67	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	5.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	8.3	ug/kg	
84-66-2	Diethyl phthalate	ND	67	7.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	5.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	7.8	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	8.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	13	ug/kg	
67-72-1	Hexachloroethane	ND	170	16	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	16	ug/kg	
78-59-1	Isophorone	ND	67	7.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	7.5	ug/kg	
88-74-4	2-Nitroaniline	ND	170	7.9	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.3	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.6	ug/kg	
91-20-3	Naphthalene	ND	33	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	67	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	9.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	ND	33	11	ug/kg	
129-00-0	Pyrene	ND	33	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.5	ug/kg	

Method Blank Summary

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Job Number: JC43407

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2987-MB1	M134270.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-1, JC43407-2

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	90% 23-115%
4165-62-2	Phenol-d5	90% 27-114%
118-79-6	2,4,6-Tribromophenol	111% 19-152%
4165-60-0	Nitrobenzene-d5	102% 26-134%
321-60-8	2-Fluorobiphenyl	91% 39-124%
1718-51-0	Terphenyl-d14	110% 36-134%

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

Method Blank Summary

Page 1 of 3

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2987-MB1	5P39053.D	1	05/24/17	JJ	05/20/17	OP2987	E5P1926

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-1, JC43407-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	67	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	28	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	36	ug/kg	
95-48-7	2-Methylphenol	ND	67	21	ug/kg	
	3&4-Methylphenol	ND	67	27	ug/kg	
88-75-5	2-Nitrophenol	ND	170	22	ug/kg	
100-02-7	4-Nitrophenol	ND	330	89	ug/kg	
87-86-5	Pentachlorophenol	ND	130	31	ug/kg	
108-95-2	Phenol	ND	67	17	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	25	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	33	11	ug/kg	
208-96-8	Acenaphthylene	ND	33	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.2	ug/kg	
120-12-7	Anthracene	ND	33	20	ug/kg	
1912-24-9	Atrazine	ND	67	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	8.1	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	4.6	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	7.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	67	4.8	ug/kg	
105-60-2	Caprolactam	ND	67	13	ug/kg	
218-01-9	Chrysene	ND	33	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	7.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	14	ug/kg	

Method Blank Summary

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2987-MB1	5P39053.D	1	05/24/17	JJ	05/20/17	OP2987	E5P1926

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-1, JC43407-2

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	10	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	28	ug/kg	
123-91-1	1,4-Dioxane	ND	33	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	15	ug/kg	
132-64-9	Dibenzofuran	ND	67	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	5.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	8.3	ug/kg	
84-66-2	Diethyl phthalate	ND	67	7.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	5.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	7.8	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	8.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	13	ug/kg	
67-72-1	Hexachloroethane	ND	170	16	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	16	ug/kg	
78-59-1	Isophorone	ND	67	7.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	7.5	ug/kg	
88-74-4	2-Nitroaniline	ND	170	7.9	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.3	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.6	ug/kg	
91-20-3	Naphthalene	ND	33	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	67	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	9.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	ND	33	11	ug/kg	
129-00-0	Pyrene	ND	33	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.5	ug/kg	

Method Blank Summary

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2987-MB1	5P39053.D	1	05/24/17	JJ	05/20/17	OP2987	E5P1926

The QC reported here applies to the following samples: Method: SW846 8270D
JC43407-1, JC43407-2

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	94% 23-115%
4165-62-2	Phenol-d5	91% 27-114%
118-79-6	2,4,6-Tribromophenol	90% 19-152%
4165-60-0	Nitrobenzene-d5	84% 26-134%
321-60-8	2-Fluorobiphenyl	91% 39-124%
1718-51-0	Terphenyl-d14	99% 36-134%

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

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3013-MB1	P114089.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-3, JC43407-4, JC43407-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3013-MB1	P114089.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-3, JC43407-4, JC43407-5

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

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Job Number: JC43407

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3013-MB1	P114089.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-3, JC43407-4, JC43407-5

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	47% 10-110%
4165-62-2	Phenol-d5	31% 10-110%
118-79-6	2,4,6-Tribromophenol	92% 36-151%
4165-60-0	Nitrobenzene-d5	74% 34-128%
321-60-8	2-Fluorobiphenyl	73% 38-119%
1718-51-0	Terphenyl-d14	91% 26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.63	4.5	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

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Job Number: JC43407

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2987-BS1	M134271.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-1, JC43407-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1670	1400	84	44-122
59-50-7	4-Chloro-3-methyl phenol	1670	1630	98	50-123
120-83-2	2,4-Dichlorophenol	1670	1520	91	48-122
105-67-9	2,4-Dimethylphenol	1670	1680	101	48-124
51-28-5	2,4-Dinitrophenol	3330	2890	87	34-146
534-52-1	4,6-Dinitro-o-cresol	1670	1500	90	49-140
95-48-7	2-Methylphenol	1670	1460	88	40-126
	3&4-Methylphenol	1670	1520	91	40-127
88-75-5	2-Nitrophenol	1670	1620	97	44-133
100-02-7	4-Nitrophenol	1670	1990	119	35-153
87-86-5	Pentachlorophenol	1670	1560	94	15-149
108-95-2	Phenol	1670	1520	91	50-109
58-90-2	2,3,4,6-Tetrachlorophenol	1670	1360	82	44-132
95-95-4	2,4,5-Trichlorophenol	1670	1440	86	45-124
88-06-2	2,4,6-Trichlorophenol	1670	1520	91	57-122
83-32-9	Acenaphthene	1670	1540	92	53-119
208-96-8	Acenaphthylene	1670	1540	92	41-125
98-86-2	Acetophenone	1670	1560	94	52-112
120-12-7	Anthracene	1670	1580	95	51-120
1912-24-9	Atrazine	1670	1590	95	49-139
56-55-3	Benzo(a)anthracene	1670	1580	95	54-118
50-32-8	Benzo(a)pyrene	1670	1590	95	55-121
205-99-2	Benzo(b)fluoranthene	1670	1600	96	57-116
191-24-2	Benzo(g,h,i)perylene	1670	1490	89	40-124
207-08-9	Benzo(k)fluoranthene	1670	1480	89	59-116
101-55-3	4-Bromophenyl phenyl ether	1670	1650	99	60-122
85-68-7	Butyl benzyl phthalate	1670	2050	123	51-134
92-52-4	1,1'-Biphenyl	1670	1560	94	46-122
100-52-7	Benzaldehyde	1670	1130	68	14-139
91-58-7	2-Chloronaphthalene	1670	1580	95	49-120
106-47-8	4-Chloroaniline	1670	861	52	10-115
86-74-8	Carbazole	1670	1590	95	52-124
105-60-2	Caprolactam	1670	1840	110	16-139
218-01-9	Chrysene	1670	1490	89	51-115
111-91-1	bis(2-Chloroethoxy)methane	1670	1730	104	36-131
111-44-4	bis(2-Chloroethyl)ether	1670	1580	95	41-131

* = Outside of Control Limits.

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2987-BS1	M134271.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-1, JC43407-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	1670	1490	89	22-134
7005-72-3	4-Chlorophenyl phenyl ether	1670	1440	86	56-118
121-14-2	2,4-Dinitrotoluene	1670	1630	98	57-131
606-20-2	2,6-Dinitrotoluene	1670	1690	101	57-132
91-94-1	3,3'-Dichlorobenzidine	3330	2250	68	10-129
123-91-1	1,4-Dioxane	1670	1020	61	10-110
53-70-3	Dibenzo(a,h)anthracene	1670	1520	91	48-121
132-64-9	Dibenzofuran	1670	1520	91	51-119
84-74-2	Di-n-butyl phthalate	1670	1830	110	59-125
117-84-0	Di-n-octyl phthalate	1670	2120	127	47-147
84-66-2	Diethyl phthalate	1670	1620	97	57-116
131-11-3	Dimethyl phthalate	1670	1510	91	56-116
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1880	113	53-133
206-44-0	Fluoranthene	1670	1530	92	58-117
86-73-7	Fluorene	1670	1510	91	56-114
118-74-1	Hexachlorobenzene	1670	1690	101	50-128
87-68-3	Hexachlorobutadiene	1670	1460	88	43-129
77-47-4	Hexachlorocyclopentadiene	3330	2760	83	15-140
67-72-1	Hexachloroethane	1670	1360	82	43-123
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1480	89	49-124
78-59-1	Isophorone	1670	1760	106	38-128
91-57-6	2-Methylnaphthalene	1670	1490	89	37-124
88-74-4	2-Nitroaniline	1670	2020	121	45-144
99-09-2	3-Nitroaniline	1670	1130	68	10-134
100-01-6	4-Nitroaniline	1670	1620	97	41-130
91-20-3	Naphthalene	1670	1420	85	44-116
98-95-3	Nitrobenzene	1670	1730	104	36-132
621-64-7	N-Nitroso-di-n-propylamine	1670	1670	100	38-125
86-30-6	N-Nitrosodiphenylamine	1670	1650	99	51-122
85-01-8	Phenanthrene	1670	1540	92	53-119
129-00-0	Pyrene	1670	1690	101	54-124
95-94-3	1,2,4,5-Tetrachlorobenzene	1670	1640	98	45-128

* = Outside of Control Limits.

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Job Number: JC43407

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2987-BS1	M134271.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-1, JC43407-2

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	99%	23-115%
4165-62-2	Phenol-d5	96%	27-114%
118-79-6	2,4,6-Tribromophenol	116%	19-152%
4165-60-0	Nitrobenzene-d5	104%	26-134%
321-60-8	2-Fluorobiphenyl	89%	39-124%
1718-51-0	Terphenyl-d14	113%	36-134%

* = Outside of Control Limits.

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3013-BS1	P114090.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-3, JC43407-4, JC43407-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	35.3	71	39-106
59-50-7	4-Chloro-3-methyl phenol	50	37.5	75	45-118
120-83-2	2,4-Dichlorophenol	50	38.3	77	43-115
105-67-9	2,4-Dimethylphenol	50	41.0	82	38-125
51-28-5	2,4-Dinitrophenol	100	85.6	86	35-137
534-52-1	4,6-Dinitro-o-cresol	50	46.4	93	45-134
95-48-7	2-Methylphenol	50	33.3	67	34-106
	3&4-Methylphenol	50	32.1	64	31-110
88-75-5	2-Nitrophenol	50	37.1	74	41-118
100-02-7	4-Nitrophenol	50	25.0	50	10-113
87-86-5	Pentachlorophenol	50	44.8	90	21-134
108-95-2	Phenol	50	19.4	39	10-110
58-90-2	2,3,4,6-Tetrachlorophenol	50	39.7	79	41-129
95-95-4	2,4,5-Trichlorophenol	50	40.7	81	45-117
88-06-2	2,4,6-Trichlorophenol	50	41.6	83	47-125
83-32-9	Acenaphthene	50	36.3	73	40-114
208-96-8	Acenaphthylene	50	35.7	71	40-109
98-86-2	Acetophenone	50	40.6	81	43-112
120-12-7	Anthracene	50	40.2	80	50-113
1912-24-9	Atrazine	50	47.4	95	46-141
100-52-7	Benzaldehyde	50	35.0	70	27-116
56-55-3	Benzo(a)anthracene	50	41.5	83	55-110
50-32-8	Benzo(a)pyrene	50	39.8	80	52-112
205-99-2	Benzo(b)fluoranthene	50	39.8	80	53-114
191-24-2	Benzo(g,h,i)perylene	50	37.4	75	46-115
207-08-9	Benzo(k)fluoranthene	50	40.9	82	55-115
101-55-3	4-Bromophenyl phenyl ether	50	41.1	82	47-122
85-68-7	Butyl benzyl phthalate	50	44.9	90	50-124
92-52-4	1,1'-Biphenyl	50	38.4	77	42-114
91-58-7	2-Chloronaphthalene	50	34.5	69	33-112
106-47-8	4-Chloroaniline	50	26.9	54	17-87
86-74-8	Carbazole	50	43.1	86	54-118
105-60-2	Caprolactam	50	9.9	20	10-110
218-01-9	Chrysene	50	40.5	81	52-107
111-91-1	bis(2-Chloroethoxy)methane	50	38.1	76	38-116
111-44-4	bis(2-Chloroethyl)ether	50	39.3	79	38-118

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3013-BS1	P114090.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-3, JC43407-4, JC43407-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	50	39.0	78	29-108
7005-72-3	4-Chlorophenyl phenyl ether	50	38.6	77	40-122
121-14-2	2,4-Dinitrotoluene	50	43.6	87	54-129
606-20-2	2,6-Dinitrotoluene	50	43.3	87	53-131
91-94-1	3,3'-Dichlorobenzidine	100	55.4	55	28-91
123-91-1	1,4-Dioxane	50	18.4	37	10-110
53-70-3	Dibenzo(a,h)anthracene	50	38.1	76	51-117
132-64-9	Dibenzofuran	50	40.6	81	46-118
84-74-2	Di-n-butyl phthalate	50	42.9	86	54-124
117-84-0	Di-n-octyl phthalate	50	42.8	86	41-137
84-66-2	Diethyl phthalate	50	42.1	84	49-122
131-11-3	Dimethyl phthalate	50	41.3	83	51-118
117-81-7	bis(2-Ethylhexyl)phthalate	50	44.2	88	47-128
206-44-0	Fluoranthene	50	41.3	83	54-118
86-73-7	Fluorene	50	37.2	74	45-116
118-74-1	Hexachlorobenzene	50	42.2	84	45-124
87-68-3	Hexachlorobutadiene	50	24.8	50	10-120
77-47-4	Hexachlorocyclopentadiene	100	43.7	44	10-110
67-72-1	Hexachloroethane	50	27.0	54	11-110
193-39-5	Indeno(1,2,3-cd)pyrene	50	35.4	71	45-123
78-59-1	Isophorone	50	36.1	72	43-115
91-57-6	2-Methylnaphthalene	50	35.2	70	37-111
88-74-4	2-Nitroaniline	50	40.3	81	40-144
99-09-2	3-Nitroaniline	50	36.8	74	31-104
100-01-6	4-Nitroaniline	50	44.4	89	48-119
91-20-3	Naphthalene	50	27.3	55	29-110
98-95-3	Nitrobenzene	50	33.4	67	35-118
621-64-7	N-Nitroso-di-n-propylamine	50	38.8	78	38-116
86-30-6	N-Nitrosodiphenylamine	50	42.2	84	49-114
85-01-8	Phenanthrene	50	39.9	80	49-116
129-00-0	Pyrene	50	42.1	84	51-116
95-94-3	1,2,4,5-Tetrachlorobenzene	50	34.9	70	21-124

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC43407

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3013-BS1	P114090.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-3, JC43407-4, JC43407-5

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	55%	10-110%
4165-62-2	Phenol-d5	37%	10-110%
118-79-6	2,4,6-Tribromophenol	96%	36-151%
4165-60-0	Nitrobenzene-d5	69%	34-128%
321-60-8	2-Fluorobiphenyl	76%	38-119%
1718-51-0	Terphenyl-d14	98%	26-129%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2987-MS	M134289.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759
OP2987-MSD	M134290.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759
JC43589-1	M134288.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-1, JC43407-2

CAS No.	Compound	JC43589-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND	1810	1190	66	1780	1210	68	2	10-137/34
59-50-7	4-Chloro-3-methyl phenol	ND	1810	1390	77	1780	1440	81	4	11-147/35
120-83-2	2,4-Dichlorophenol	ND	1810	1330	74	1780	1360	76	2	15-140/34
105-67-9	2,4-Dimethylphenol	ND	1810	1470	81	1780	1530	86	4	10-151/34
51-28-5	2,4-Dinitrophenol	ND	3610	1840	51	3570	1900	53	3	10-148/49
534-52-1	4,6-Dinitro-o-cresol	ND	1810	1170	65	1780	1180	66	1	10-150/48
95-48-7	2-Methylphenol	ND	1810	1250	69	1780	1300	73	4	10-138/33
	3&4-Methylphenol	ND	1810	1280	71	1780	1300	73	2	10-143/33
88-75-5	2-Nitrophenol	ND	1810	1420	79	1780	1480	83	4	10-150/39
100-02-7	4-Nitrophenol	ND	1810	1640	91	1780	1740	98	6	10-163/38
87-86-5	Pentachlorophenol	ND	1810	1360	75	1780	1370	77	1	10-148/39
108-95-2	Phenol	ND	1810	1270	70	1780	1300	73	2	24-114/32
58-90-2	2,3,4,6-Tetrachlorophenol	ND	1810	1180	65	1780	1210	68	3	14-140/38
95-95-4	2,4,5-Trichlorophenol	ND	1810	1300	72	1780	1330	75	2	10-146/36
88-06-2	2,4,6-Trichlorophenol	ND	1810	1360	75	1780	1380	77	1	16-148/36
83-32-9	Acenaphthene	ND	1810	1290	71	1780	1370	77	6	21-136/34
208-96-8	Acenaphthylene	ND	1810	1290	71	1780	1370	77	6	10-143/36
98-86-2	Acetophenone	ND	1810	1270	70	1780	1340	75	5	24-127/31
120-12-7	Anthracene	ND	1810	1320	73	1780	1420	80	7	10-147/39
1912-24-9	Atrazine	ND	1810	1370	76	1780	1390	78	1	10-161/38
56-55-3	Benzo(a)anthracene	ND	1810	1320	73	1780	1410	79	7	10-151/41
50-32-8	Benzo(a)pyrene	ND	1810	1350	75	1780	1470	82	9	10-149/40
205-99-2	Benzo(b)fluoranthene	ND	1810	1360	75	1780	1480	83	8	10-147/42
191-24-2	Benzo(g,h,i)perylene	ND	1810	1300	72	1780	1420	80	9	10-150/41
207-08-9	Benzo(k)fluoranthene	ND	1810	1270	70	1780	1390	78	9	12-142/41
101-55-3	4-Bromophenyl phenyl ether	ND	1810	1420	79	1780	1460	82	3	26-138/37
85-68-7	Butyl benzyl phthalate	ND	1810	1680	93	1780	1770	99	5	24-143/36
92-52-4	1,1'-Biphenyl	ND	1810	1320	73	1780	1390	78	5	18-138/32
100-52-7	Benzaldehyde	ND	1810	1150	64	1780	1180	66	3	10-149/37
91-58-7	2-Chloronaphthalene	ND	1810	1380	76	1780	1450	81	5	24-130/31
106-47-8	4-Chloroaniline	ND	1810	677	37	1780	764	43	12	10-111/52
86-74-8	Carbazole	ND	1810	1360	75	1780	1430	80	5	12-146/39
105-60-2	Caprolactam	ND	1810	1370	76	1780	1500	84	9	10-147/40
218-01-9	Chrysene	ND	1810	1260	70	1780	1340	75	6	10-151/41
111-91-1	bis(2-Chloroethoxy)methane	ND	1810	1420	79	1780	1500	84	5	10-144/35
111-44-4	bis(2-Chloroethyl)ether	ND	1810	1330	74	1780	1410	79	6	12-142/35

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2987-MS	M134289.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759
OP2987-MSD	M134290.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759
JC43589-1	M134288.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-1, JC43407-2

CAS No.	Compound	JC43589-1 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-60-1	bis(2-Chloroisopropyl)ether	ND		1810	1240	69	1780	1320	74	6	10-137/33
7005-72-3	4-Chlorophenyl phenyl ether	ND		1810	1210	67	1780	1320	74	9	21-136/35
121-14-2	2,4-Dinitrotoluene	ND		1810	1380	76	1780	1480	83	7	14-148/41
606-20-2	2,6-Dinitrotoluene	ND		1810	1410	78	1780	1500	84	6	14-152/40
91-94-1	3,3'-Dichlorobenzidine	ND		3610	1780	49	3570	2090	59	16	10-137/47
123-91-1	1,4-Dioxane	ND		1810	877	49	1780	919	52	5	10-110/40
53-70-3	Dibenzo(a,h)anthracene	ND		1810	1310	72	1780	1430	80	9	10-152/38
132-64-9	Dibenzofuran	ND		1810	1340	74	1780	1400	78	4	17-141/36
84-74-2	Di-n-butyl phthalate	ND		1810	1530	85	1780	1620	91	6	26-137/35
117-84-0	Di-n-octyl phthalate	ND		1810	1750	97	1780	1940	109	10	23-145/36
84-66-2	Diethyl phthalate	ND		1810	1350	75	1780	1450	81	7	25-133/35
131-11-3	Dimethyl phthalate	ND		1810	1280	71	1780	1350	76	5	21-134/36
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1810	1540	85	1780	1640	92	6	26-144/39
206-44-0	Fluoranthene	ND		1810	1280	71	1780	1370	77	7	10-151/44
86-73-7	Fluorene	ND		1810	1260	70	1780	1340	75	6	19-133/36
118-74-1	Hexachlorobenzene	ND		1810	1460	81	1780	1530	86	5	18-142/37
87-68-3	Hexachlorobutadiene	ND		1810	1270	70	1780	1340	75	5	16-137/32
77-47-4	Hexachlorocyclopentadiene	ND		3610	2170	60	3570	2320	65	7	10-150/50
67-72-1	Hexachloroethane	ND		1810	1140	63	1780	1210	68	6	10-131/38
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1810	1270	70	1780	1340	75	5	10-148/41
78-59-1	Isophorone	ND		1810	1450	80	1780	1550	87	7	11-142/33
91-57-6	2-Methylnaphthalene	ND		1810	1300	72	1780	1360	76	5	10-141/35
88-74-4	2-Nitroaniline	ND		1810	1660	92	1780	1750	98	5	14-156/38
99-09-2	3-Nitroaniline	ND		1810	980	54	1780	1050	59	7	10-144/45
100-01-6	4-Nitroaniline	ND		1810	1200	66	1780	1230	69	2	10-156/44
91-20-3	Naphthalene	ND		1810	1220	67	1780	1290	72	6	10-136/36
98-95-3	Nitrobenzene	ND		1810	1440	80	1780	1530	86	6	10-142/34
621-64-7	N-Nitroso-di-n-propylamine	ND		1810	1350	75	1780	1430	80	6	10-142/31
86-30-6	N-Nitrosodiphenylamine	ND		1810	1430	79	1780	1500	84	5	10-156/37
85-01-8	Phenanthrene	ND		1810	1320	73	1780	1390	78	5	11-145/45
129-00-0	Pyrene	ND		1810	1410	78	1780	1510	85	7	11-155/44
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		1810	1460	81	1780	1500	84	3	23-136/32

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43407

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2987-MS	M134289.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759
OP2987-MSD	M134290.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759
JC43589-1	M134288.D	1	05/21/17	KLS	05/20/17	OP2987	EM5759

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-1, JC43407-2

CAS No.	Surrogate Recoveries	MS	MSD	JC43589-1	Limits
367-12-4	2-Fluorophenol	76%	79%		23-115%
4165-62-2	Phenol-d5	74%	77%		27-114%
118-79-6	2,4,6-Tribromophenol	96%	97%		19-152%
4165-60-0	Nitrobenzene-d5	81%	87%	91%	26-134%
321-60-8	2-Fluorobiphenyl	74%	76%	85%	39-124%
1718-51-0	Terphenyl-d14	92%	97%	108%	36-134%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3013-MS	P114093.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092
OP3013-MSD	P114094.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092
JC43491-1	P114098.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-3, JC43407-4, JC43407-5

CAS No.	Compound	JC43491-1 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND	100	70.6	71	100	70.5	71	0	36-113/33
59-50-7	4-Chloro-3-methyl phenol	ND	100	76.7	77	100	78.2	78	2	40-126/29
120-83-2	2,4-Dichlorophenol	ND	100	76.4	76	100	77.7	78	2	40-119/30
105-67-9	2,4-Dimethylphenol	ND	100	81.9	82	100	84.3	84	3	34-134/30
51-28-5	2,4-Dinitrophenol	ND	200	155	78	200	176	88	13	22-157/34
534-52-1	4,6-Dinitro-o-cresol	ND	100	86.0	86	100	95.6	96	11	26-151/37
95-48-7	2-Methylphenol	ND	100	72.1	72	100	72.0	72	0	31-119/32
	3&4-Methylphenol	ND	100	72.7	73	100	73.4	73	1	29-118/31
88-75-5	2-Nitrophenol	ND	100	72.3	72	100	74.8	75	3	38-123/34
100-02-7	4-Nitrophenol	ND	100	66.9	67	100	79.0	79	17	10-161/36
87-86-5	Pentachlorophenol	ND	100	73.8	74	100	84.3	84	13	22-149/36
108-95-2	Phenol	ND	100	51.1	51	100	59.2	59	15	10-110/35
58-90-2	2,3,4,6-Tetrachlorophenol	ND	100	78.3	78	100	83.8	84	7	43-131/36
95-95-4	2,4,5-Trichlorophenol	ND	100	84.9	85	100	87.1	87	3	45-118/30
88-06-2	2,4,6-Trichlorophenol	ND	100	84.5	85	100	86.6	87	2	48-126/31
83-32-9	Acenaphthene	ND	100	78.7	79	100	78.4	78	0	44-119/28
208-96-8	Acenaphthylene	ND	100	75.7	76	100	75.7	76	0	40-115/28
98-86-2	Acetophenone	ND	100	77.8	78	100	75.8	76	3	34-127/32
120-12-7	Anthracene	ND	100	80.4	80	100	83.7	84	4	44-120/30
1912-24-9	Atrazine	ND	100	90.8	91	100	97.4	97	7	31-149/30
100-52-7	Benzaldehyde	ND	100	65.6	66	100	65.5	66	0	11-132/37
56-55-3	Benzo(a)anthracene	ND	100	82.0	82	100	87.0	87	6	48-116/30
50-32-8	Benzo(a)pyrene	ND	100	78.9	79	100	84.3	84	7	43-120/31
205-99-2	Benzo(b)fluoranthene	ND	100	79.1	79	100	82.3	82	4	42-123/31
191-24-2	Benzo(g,h,i)perylene	ND	100	74.2	74	100	85.2	85	14	39-121/32
207-08-9	Benzo(k)fluoranthene	ND	100	81.8	82	100	86.7	87	6	44-123/31
101-55-3	4-Bromophenyl phenyl ether	ND	100	86.0	86	100	90.9	91	6	47-127/31
85-68-7	Butyl benzyl phthalate	ND	100	89.0	89	100	93.8	94	5	41-135/32
92-52-4	1,1'-Biphenyl	ND	100	79.4	79	100	77.6	78	2	39-124/29
91-58-7	2-Chloronaphthalene	ND	100	77.4	77	100	76.0	76	2	37-120/30
106-47-8	4-Chloroaniline	42.9	100	92.4	50	100	79.2	36	15	10-110/49
86-74-8	Carbazole	ND	100	83.4	83	100	87.6	88	5	46-127/29
105-60-2	Caprolactam	ND	100	28.0	28	100	37.0	37	28	10-110/37
218-01-9	Chrysene	ND	100	80.8	81	100	84.6	85	5	45-113/30
111-91-1	bis(2-Chloroethoxy)methane	ND	100	74.0	74	100	75.4	75	2	33-122/29
111-44-4	bis(2-Chloroethyl)ether	ND	100	75.3	75	100	73.7	74	2	29-132/36

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3013-MS	P114093.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092
OP3013-MSD	P114094.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092
JC43491-1	P114098.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-3, JC43407-4, JC43407-5

CAS No.	Compound	JC43491-1 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-60-1	bis(2-Chloroisopropyl)ether	ND	100	78.2	78	100	76.2	76	3	27-115/34
7005-72-3	4-Chlorophenyl phenyl ether	ND	100	84.2	84	100	85.4	85	1	43-125/30
121-14-2	2,4-Dinitrotoluene	ND	100	88.4	88	100	89.9	90	2	49-135/31
606-20-2	2,6-Dinitrotoluene	ND	100	87.4	87	100	90.6	91	4	50-135/32
91-94-1	3,3'-Dichlorobenzidine	ND	200	117	59	200	127	64	8	2-115/43
123-91-1	1,4-Dioxane	ND	100	41.4	41	100	43.4	43	5	10-110/42
53-70-3	Dibenzo(a,h)anthracene	ND	100	76.1	76	100	86.0	86	12	44-121/32
132-64-9	Dibenzofuran	ND	100	82.6	83	100	83.1	83	1	43-123/29
84-74-2	Di-n-butyl phthalate	ND	100	85.5	86	100	89.1	89	4	46-133/30
117-84-0	Di-n-octyl phthalate	ND	100	85.0	85	100	88.9	89	4	31-147/32
84-66-2	Diethyl phthalate	ND	100	84.7	85	100	87.8	88	4	46-126/30
131-11-3	Dimethyl phthalate	ND	100	84.1	84	100	85.6	86	2	49-120/29
117-81-7	bis(2-Ethylhexyl)phthalate	ND	100	89.0	89	100	92.7	93	4	35-140/35
206-44-0	Fluoranthene	ND	100	83.3	83	100	86.4	86	4	48-122/30
86-73-7	Fluorene	ND	100	78.3	78	100	80.0	80	2	45-121/30
118-74-1	Hexachlorobenzene	ND	100	85.6	86	100	91.2	91	6	42-129/32
87-68-3	Hexachlorobutadiene	ND	100	48.9	49	100	42.4	42	14	10-129/36
77-47-4	Hexachlorocyclopentadiene	ND	200	79.5	40	200	74.7	37	6	10-111/40
67-72-1	Hexachloroethane	ND	100	51.7	52	100	45.0	45	14	12-116/37
193-39-5	Indeno(1,2,3-cd)pyrene	ND	100	70.0	70	100	78.6	79	12	39-129/33
78-59-1	Isophorone	ND	100	71.8	72	100	71.5	72	0	37-122/29
91-57-6	2-Methylnaphthalene	ND	100	68.8	69	100	67.3	67	2	33-118/31
88-74-4	2-Nitroaniline	ND	100	79.8	80	100	82.3	82	3	32-156/31
99-09-2	3-Nitroaniline	ND	100	66.0	66	100	70.8	71	7	11-114/41
100-01-6	4-Nitroaniline	ND	100	86.5	87	100	88.8	89	3	31-125/30
91-20-3	Naphthalene	ND	100	60.5	61	100	57.9	58	4	24-119/33
98-95-3	Nitrobenzene	ND	100	65.9	66	100	64.6	65	2	28-130/32
621-64-7	N-Nitroso-di-n-propylamine	ND	100	75.5	76	100	73.9	74	2	29-128/31
86-30-6	N-Nitrosodiphenylamine	ND	100	85.2	85	100	88.7	89	4	40-128/31
85-01-8	Phenanthrene	ND	100	80.9	81	100	84.7	85	5	41-128/30
129-00-0	Pyrene	ND	100	83.6	84	100	89.6	90	7	47-122/30
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	100	81.0	81	100	79.0	79	3	23-134/31

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC43407

Account: PARTENJE Partner Engineering & Science

Project: 79 Hurley Avenue, Kingston, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3013-MS	P114093.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092
OP3013-MSD	P114094.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092
JC43491-1	P114098.D	1	05/23/17	JJ	05/21/17	OP3013	EP5092

The QC reported here applies to the following samples:

Method: SW846 8270D

JC43407-3, JC43407-4, JC43407-5

CAS No.	Surrogate Recoveries	MS	MSD	JC43491-1	Limits
367-12-4	2-Fluorophenol	65%	70%	49%	10-110%
4165-62-2	Phenol-d5	52%	60%	32%	10-110%
118-79-6	2,4,6-Tribromophenol	93%	100%	101%	36-151%
4165-60-0	Nitrobenzene-d5	67%	68%	83%	34-128%
321-60-8	2-Fluorobiphenyl	77%	78%	85%	38-119%
1718-51-0	Terphenyl-d14	93%	101%	82%	26-129%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: E5P1922-DFTPP
Lab File ID: 5P38946.D
Instrument ID: GCMS5P
Injection Date: 05/19/17
Injection Time: 09:10

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	37065	32.8	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	49222	43.5	Pass
70	Less than 2.0% of mass 69	224	0.20 (0.46) ^a	Pass
127	40.0 - 60.0% of mass 198	53634	47.4	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	113050	100.0	Pass
199	5.0 - 9.0% of mass 198	7694	6.81	Pass
275	10.0 - 30.0% of mass 198	29307	25.9	Pass
365	1.0 - 100.0% of mass 198	3327	2.94	Pass
441	Present, but less than mass 443	14118	12.5 (92.8) ^b	Pass
442	40.0 - 100.0% of mass 198	85202	75.4	Pass
443	17.0 - 23.0% of mass 442	15211	13.5 (17.9) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E5P1922-IC1922	5P38947.D	05/19/17	09:34	00:24	Initial cal 2
E5P1922-IC1922	5P38948A.D	05/19/17	09:59	00:49	Initial cal 1
E5P1922-IC1922	5P38949.D	05/19/17	10:25	01:15	Initial cal 100
E5P1922-IC1922	5P38950.D	05/19/17	10:51	01:41	Initial cal 80
E5P1922-ICC1922	5P38951.D	05/19/17	11:17	02:07	Initial cal 50
E5P1922-IC1922	5P38952.D	05/19/17	11:42	02:32	Initial cal 25
E5P1922-IC1922	5P38953.D	05/19/17	12:08	02:58	Initial cal 10
E5P1922-IC1922	5P38954.D	05/19/17	12:34	03:24	Initial cal 5
E5P1922-ICV1922	5P38955.D	05/19/17	12:59	03:49	Initial cal verification 50
E5P1922-ICV1922	5P38956.D	05/19/17	13:25	04:15	Initial cal verification 50
E5P1922-ICV1922	5P38957.D	05/19/17	13:51	04:41	Initial cal verification 50
E5P1922-ICV1922	5P38958.D	05/19/17	14:16	05:06	Initial cal verification 50
E5P1922-ICV1922	5P38960.D	05/19/17	15:08	05:58	Initial cal verification 50
E5P1922-ICV1922	5P38961.D	05/19/17	15:34	06:24	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: E5P1923-DFTPP
Lab File ID: 5P38966.D
Instrument ID: GCMS5P
Injection Date: 05/19/17
Injection Time: 16:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	46571	31.2	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	59625	39.9	Pass
70	Less than 2.0% of mass 69	390	0.26 (0.65) ^a	Pass
127	40.0 - 60.0% of mass 198	68274	45.7	Pass
197	Less than 1.0% of mass 198	193	0.13	Pass
198	Base peak, 100% relative abundance	149477	100.0	Pass
199	5.0 - 9.0% of mass 198	10155	6.79	Pass
275	10.0 - 30.0% of mass 198	38885	26.0	Pass
365	1.0 - 100.0% of mass 198	4554	3.05	Pass
441	Present, but less than mass 443	16891	11.3 (76.5) ^b	Pass
442	40.0 - 100.0% of mass 198	116069	77.7	Pass
443	17.0 - 23.0% of mass 442	22073	14.8 (19.0) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E5P1923-IC1923	5P38967.D	05/19/17	17:07	00:15	Initial cal 100
E5P1923-IC1923	5P38968.D	05/19/17	17:33	00:41	Initial cal 80
E5P1923-ICC1923	5P38969.D	05/19/17	17:59	01:07	Initial cal 50
E5P1923-IC1923	5P38970.D	05/19/17	18:24	01:32	Initial cal 25
E5P1923-IC1923	5P38971.D	05/19/17	18:50	01:58	Initial cal 10
E5P1923-IC1923	5P38972.D	05/19/17	19:16	02:24	Initial cal 5
E5P1923-IC1923	5P38973.D	05/19/17	19:42	02:50	Initial cal 2
E5P1923-IC1923	5P38974.D	05/19/17	20:08	03:16	Initial cal 1
E5P1923-ICV1923	5P38975.D	05/19/17	20:33	03:41	Initial cal verification 50
E5P1923-ICV1923	5P38976.D	05/19/17	20:59	04:07	Initial cal verification 50
E5P1923-ICV1923	5P38977.D	05/19/17	21:24	04:32	Initial cal verification 50
E5P1923-ICV1923	5P38978.D	05/19/17	21:49	04:57	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: E5P1926-DFTPP
Lab File ID: 5P39042.D
Instrument ID: GCMS5P
Injection Date: 05/23/17
Injection Time: 23:17

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	47977	37.1	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	56244	43.5	Pass
70	Less than 2.0% of mass 69	352	0.27 (0.63) ^a	Pass
127	40.0 - 60.0% of mass 198	62904	48.6	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	129306	100.0	Pass
199	5.0 - 9.0% of mass 198	8914	6.89	Pass
275	10.0 - 30.0% of mass 198	35037	27.1	Pass
365	1.0 - 100.0% of mass 198	4382	3.39	Pass
441	Present, but less than mass 443	17892	13.8 (85.0) ^b	Pass
442	40.0 - 100.0% of mass 198	113290	87.6	Pass
443	17.0 - 23.0% of mass 442	21053	16.3 (18.6) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E5P1926-CC1922	5P39043.D	05/23/17	23:35	00:18	Continuing cal 50
E5P1926-CC1923	5P39044.D	05/24/17	00:00	00:43	Continuing cal 50
OP2987-MB1	5P39053.D	05/24/17	04:33	05:16	Method Blank
OP2941-MB1	5P39054.D	05/24/17	04:58	05:41	Method Blank
ZZZZZZ	5P39055.D	05/24/17	05:23	06:06	(unrelated sample)
ZZZZZZ	5P39056.D	05/24/17	05:48	06:31	(unrelated sample)
ZZZZZZ	5P39057.D	05/24/17	06:13	06:56	(unrelated sample)
ZZZZZZ	5P39058.D	05/24/17	06:38	07:21	(unrelated sample)
ZZZZZZ	5P39059.D	05/24/17	07:03	07:46	(unrelated sample)
ZZZZZZ	5P39060.D	05/24/17	07:28	08:11	(unrelated sample)
ZZZZZZ	5P39061.D	05/24/17	07:53	08:36	(unrelated sample)

Instrument Performance Check (DFTPP)

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EM5748-DFTPP
Lab File ID: M134042.D
Instrument ID: GCMSM
Injection Date: 05/12/17
Injection Time: 12:09

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	29201	33.9	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	37664	43.8	Pass
70	Less than 2.0% of mass 69	147	0.17 (0.39) ^a	Pass
127	40.0 - 60.0% of mass 198	45322	52.7	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	86013	100.0	Pass
199	5.0 - 9.0% of mass 198	5736	6.67	Pass
275	10.0 - 30.0% of mass 198	25054	29.1	Pass
365	1.0 - 100.0% of mass 198	3463	4.03	Pass
441	Present, but less than mass 443	12961	15.1 (80.1) ^b	Pass
442	40.0 - 100.0% of mass 198	85493	99.4	Pass
443	17.0 - 23.0% of mass 442	16176	18.8 (18.9) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM5748-IC5748	M134043.D	05/12/17	12:27	00:18	Initial cal 2
EM5748-IC5748	M134044.D	05/12/17	13:01	00:52	Initial cal 1
EM5748-IC5748	M134045.D	05/12/17	13:31	01:22	Initial cal 100
EM5748-ICC5748	M134046.D	05/12/17	14:25	02:16	Initial cal 50
EM5748-IC5748	M134047.D	05/12/17	14:54	02:45	Initial cal 25
EM5748-IC5748	M134048.D	05/12/17	15:24	03:15	Initial cal 10
EM5748-IC5748	M134049.D	05/12/17	15:54	03:45	Initial cal 5
EM5748-IC5748	M134050.D	05/12/17	16:23	04:14	Initial cal 80

Instrument Performance Check (DFTPP)

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EM5749-DFTPP
Lab File ID: M134052.D
Instrument ID: GCMSM
Injection Date: 05/12/17
Injection Time: 17:18

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	31384	34.9	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	40413	45.0	Pass
70	Less than 2.0% of mass 69	241	0.27 (0.60) ^a	Pass
127	40.0 - 60.0% of mass 198	47544	52.9	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	89816	100.0	Pass
199	5.0 - 9.0% of mass 198	6346	7.07	Pass
275	10.0 - 30.0% of mass 198	26377	29.4	Pass
365	1.0 - 100.0% of mass 198	3361	3.74	Pass
441	Present, but less than mass 443	13040	14.5 (78.1) ^b	Pass
442	40.0 - 100.0% of mass 198	85082	94.7	Pass
443	17.0 - 23.0% of mass 442	16692	18.6 (19.6) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM5749-IC5749	M134053.D	05/12/17	17:30	00:12	Initial cal 100
EM5749-IC5749	M134054.D	05/12/17	17:59	00:41	Initial cal 80
EM5749-ICC5749	M134055.D	05/12/17	18:29	01:11	Initial cal 50
EM5749-IC5749	M134056.D	05/12/17	18:59	01:41	Initial cal 25
EM5749-IC5749	M134057.D	05/12/17	19:29	02:11	Initial cal 10
EM5749-IC5749	M134058.D	05/12/17	19:58	02:40	Initial cal 5
EM5749-IC5749	M134059.D	05/12/17	20:28	03:10	Initial cal 2
EM5749-IC5749	M134060.D	05/12/17	20:57	03:39	Initial cal 1
EM5749-ICV5748	M134061.D	05/12/17	21:27	04:09	Initial cal verification 50
EM5749-ICV5749	M134061A.D	05/12/17	21:27	04:09	Initial cal verification 50
EM5749-ICV5748	M134063.D	05/12/17	22:26	05:08	Initial cal verification 50
EM5749-ICV5748	M134064.D	05/12/17	22:55	05:37	Initial cal verification 50
EM5749-ICV5748	M134065.D	05/12/17	23:25	06:07	Initial cal verification 50
EM5749-ICV5749	M134065A.D	05/12/17	23:25	06:07	Initial cal verification 50
EM5749-ICV5748	M134066.D	05/12/17	23:54	06:36	Initial cal verification 50
EM5749-ICV5749	M134067.D	05/13/17	00:23	07:05	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EM5750-DFTPP	Injection Date: 05/15/17
Lab File ID: M134069.D	Injection Time: 15:40
Instrument ID: GCMSM	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	16794	32.5	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	22740	44.1	Pass
70	Less than 2.0% of mass 69	43	0.08 (0.19) ^a	Pass
127	40.0 - 60.0% of mass 198	27354	53.0	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	51610	100.0	Pass
199	5.0 - 9.0% of mass 198	3543	6.86	Pass
275	10.0 - 30.0% of mass 198	15329	29.7	Pass
365	1.0 - 100.0% of mass 198	1989	3.85	Pass
441	Present, but less than mass 443	7364	14.3 (82.6) ^b	Pass
442	40.0 - 100.0% of mass 198	47183	91.4	Pass
443	17.0 - 23.0% of mass 442	8919	17.3 (18.9) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM5750-ICV5748	M134070.D	05/15/17	15:57	00:17	Initial cal verification 50
EM5750-ICV5749	M134070A.D	05/15/17	15:57	00:17	Initial cal verification 50
EM5750-ICV5748	M134071.D	05/15/17	16:43	01:03	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EM5759-DFTPP
Lab File ID: M134267.D
Instrument ID: GCMSM
Injection Date: 05/21/17
Injection Time: 08:39

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	21456	35.8	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	28729	47.9	Pass
70	Less than 2.0% of mass 69	137	0.23 (0.48) ^a	Pass
127	40.0 - 60.0% of mass 198	33523	55.9	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	59981	100.0	Pass
199	5.0 - 9.0% of mass 198	4019	6.70	Pass
275	10.0 - 30.0% of mass 198	15103	25.2	Pass
365	1.0 - 100.0% of mass 198	1760	2.93	Pass
441	Present, but less than mass 443	7109	11.9 (72.8) ^b	Pass
442	40.0 - 100.0% of mass 198	49483	82.5	Pass
443	17.0 - 23.0% of mass 442	9762	16.3 (19.7) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM5759-CC5748	M134268.D	05/21/17	08:51	00:12	Continuing cal 50
EM5759-CC5749	M134269.D	05/21/17	09:24	00:45	Continuing cal 25
OP2987-MB1	M134270.D	05/21/17	09:57	01:18	Method Blank
OP2987-BS1	M134271.D	05/21/17	10:26	01:47	Blank Spike
OP2970-MB1	M134272.D	05/21/17	10:56	02:17	Method Blank
OP2970-BS1	M134273.D	05/21/17	11:25	02:46	Blank Spike
ZZZZZZ	M134274.D	05/21/17	11:54	03:15	(unrelated sample)
ZZZZZZ	M134275.D	05/21/17	12:23	03:44	(unrelated sample)
ZZZZZZ	M134276.D	05/21/17	12:53	04:14	(unrelated sample)
JC43428-1	M134277.D	05/21/17	13:22	04:43	(used for QC only; not part of job JC43407)
OP2970-MS	M134278.D	05/21/17	13:52	05:13	Matrix Spike
OP2970-MSD	M134279.D	05/21/17	14:21	05:42	Matrix Spike Duplicate
ZZZZZZ	M134280.D	05/21/17	14:51	06:12	(unrelated sample)
ZZZZZZ	M134281.D	05/21/17	15:20	06:41	(unrelated sample)
ZZZZZZ	M134282.D	05/21/17	15:50	07:11	(unrelated sample)
ZZZZZZ	M134283.D	05/21/17	16:20	07:41	(unrelated sample)
ZZZZZZ	M134284.D	05/21/17	16:49	08:10	(unrelated sample)
ZZZZZZ	M134285.D	05/21/17	17:19	08:40	(unrelated sample)
ZZZZZZ	M134286.D	05/21/17	17:48	09:09	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample:	EM5759-DFTPP	Injection Date:	05/21/17
Lab File ID:	M134267.D	Injection Time:	08:39
Instrument ID:	GCMSM		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	M134287.D	05/21/17	18:17	09:38	(unrelated sample)
JC43589-1	M134288.D	05/21/17	18:47	10:08	(used for QC only; not part of job JC43407)
OP2987-MS	M134289.D	05/21/17	19:16	10:37	Matrix Spike
OP2987-MSD	M134290.D	05/21/17	19:46	11:07	Matrix Spike Duplicate
OP2959-MB1	M134291.D	05/21/17	20:15	11:36	Method Blank
ZZZZZZ	M134292.D	05/21/17	20:44	12:05	(unrelated sample)
ZZZZZZ	M134293.D	05/21/17	21:14	12:35	(unrelated sample)

Instrument Performance Check (DFTPP)

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EM5760-DFTPP	Injection Date: 05/22/17
Lab File ID: M134297.D	Injection Time: 09:28
Instrument ID: GCMSM	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	22803	36.7	Pass
68	Less than 2.0% of mass 69	119	0.19 (0.40) ^a	Pass
69	Mass 69 relative abundance	29829	48.0	Pass
70	Less than 2.0% of mass 69	277	0.45 (0.93) ^a	Pass
127	40.0 - 60.0% of mass 198	35442	57.0	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	62170	100.0	Pass
199	5.0 - 9.0% of mass 198	4230	6.80	Pass
275	10.0 - 30.0% of mass 198	17245	27.7	Pass
365	1.0 - 100.0% of mass 198	2147	3.45	Pass
441	Present, but less than mass 443	8731	14.0 (76.5) ^b	Pass
442	40.0 - 100.0% of mass 198	59308	95.4	Pass
443	17.0 - 23.0% of mass 442	11406	18.3 (19.2) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM5760-CC5748	M134298.D	05/22/17	09:55	00:27	Continuing cal 25
EM5760-CC5749	M134299.D	05/22/17	10:24	00:56	Continuing cal 25
ZZZZZZ	M134300.D	05/22/17	10:55	01:27	(unrelated sample)
ZZZZZZ	M134301.D	05/22/17	11:25	01:57	(unrelated sample)
JC43407-1	M134302.D	05/22/17	11:55	02:27	B-14
JC43407-2	M134303.D	05/22/17	12:25	02:57	B-15
ZZZZZZ	M134304.D	05/22/17	12:55	03:27	(unrelated sample)
ZZZZZZ	M134305.D	05/22/17	13:25	03:57	(unrelated sample)
ZZZZZZ	M134306.D	05/22/17	13:55	04:27	(unrelated sample)
ZZZZZZ	M134317.D	05/22/17	14:25	04:57	(unrelated sample)
ZZZZZZ	M134307.D	05/22/17	14:55	05:27	(unrelated sample)
ZZZZZZ	M134309.D	05/22/17	15:55	06:27	(unrelated sample)
ZZZZZZ	M134310.D	05/22/17	16:25	06:57	(unrelated sample)
ZZZZZZ	M134311.D	05/22/17	16:55	07:27	(unrelated sample)
ZZZZZZ	M134315.D	05/22/17	19:26	09:58	(unrelated sample)
ZZZZZZ	M134318.D	05/22/17	19:56	10:28	(unrelated sample)

Instrument Performance Check (DFTPP)

Page 1 of 1

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EP5078-DFTPP
Lab File ID: P113755.D
Instrument ID: GCMSP
Injection Date: 05/12/17
Injection Time: 09:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	6713	35.1	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	8140	42.6	Pass
70	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
127	40.0 - 60.0% of mass 198	8537	44.6	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	19126	100.0	Pass
199	5.0 - 9.0% of mass 198	1277	6.68	Pass
275	10.0 - 30.0% of mass 198	5236	27.4	Pass
365	1.0 - 100.0% of mass 198	670	3.50	Pass
441	Present, but less than mass 443	2023	10.6 (83.7) ^b	Pass
442	40.0 - 100.0% of mass 198	12565	65.7	Pass
443	17.0 - 23.0% of mass 442	2417	12.6 (19.2) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP5078-IC5078	P113756.D	05/12/17	10:36	00:40	Initial cal 2
EP5078-IC5078	P113757.D	05/12/17	11:05	01:09	Initial cal 1
EP5078-IC5078	P113758.D	05/12/17	11:34	01:38	Initial cal 100
EP5078-ICC5078	P113759.D	05/12/17	12:04	02:08	Initial cal 50
EP5078-IC5078	P113760.D	05/12/17	12:33	02:37	Initial cal 80
EP5078-IC5078	P113761.D	05/12/17	13:01	03:05	Initial cal 25
EP5078-IC5078	P113762.D	05/12/17	13:31	03:35	Initial cal 10
EP5078-IC5078	P113763.D	05/12/17	14:00	04:04	Initial cal 5

Instrument Performance Check (DFTPP)

Page 1 of 1

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EP5079-DFTPP
Lab File ID: P113764.D
Instrument ID: GCMSP
Injection Date: 05/12/17
Injection Time: 14:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	6979	35.1	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	9052	45.5	Pass
70	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
127	40.0 - 60.0% of mass 198	8959	45.0	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	19894	100.0	Pass
199	5.0 - 9.0% of mass 198	1374	6.91	Pass
275	10.0 - 30.0% of mass 198	5277	26.5	Pass
365	1.0 - 100.0% of mass 198	660	3.32	Pass
441	Present, but less than mass 443	1996	10.0 (87.9) ^b	Pass
442	40.0 - 100.0% of mass 198	11722	58.9	Pass
443	17.0 - 23.0% of mass 442	2270	11.4 (19.4) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP5079-IC5079	P113765.D	05/12/17	14:44	00:20	Initial cal 100
EP5079-IC5079	P113766.D	05/12/17	15:13	00:49	Initial cal 80
EP5079-ICC5079	P113767.D	05/12/17	15:42	01:18	Initial cal 50
EP5079-IC5079	P113768.D	05/12/17	16:11	01:47	Initial cal 25
EP5079-IC5079	P113769.D	05/12/17	16:40	02:16	Initial cal 10
EP5079-IC5079	P113770.D	05/12/17	17:09	02:45	Initial cal 5
EP5079-IC5079	P113771.D	05/12/17	17:38	03:14	Initial cal 2
EP5079-IC5079	P113772.D	05/12/17	18:07	03:43	Initial cal 1
EP5079-ICV5078	P113773.D	05/12/17	18:37	04:13	Initial cal verification 50
EP5079-ICV5078	P113774.D	05/12/17	19:06	04:42	Initial cal verification 50
EP5079-ICV5079	P113775A.D	05/12/17	19:35	05:11	Initial cal verification 50
EP5079-ICV5078	P113775.D	05/12/17	19:35	05:11	Initial cal verification 50
EP5079-ICV5079	P113776A.D	05/12/17	20:04	05:40	Initial cal verification 50
EP5079-ICV5078	P113776.D	05/12/17	20:04	05:40	Initial cal verification 50
EP5079-ICV5078	P113777.D	05/12/17	20:33	06:09	Initial cal verification 50
EP5079-ICV5079	P113778A.D	05/12/17	21:58	07:34	Initial cal verification 50
EP5079-ICV5078	P113778AA.D	05/12/17	21:58	07:34	Initial cal verification 50
EP5079-ICV5079	P113779.D	05/12/17	22:27	08:03	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EP5080-DFTPP **Injection Date:** 05/12/17
Lab File ID: P113780.D **Injection Time:** 22:51
Instrument ID: GCMSP

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	6346	31.2	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	8276	40.7	Pass
70	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
127	40.0 - 60.0% of mass 198	8733	43.0	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	20322	100.0	Pass
199	5.0 - 9.0% of mass 198	1353	6.66	Pass
275	10.0 - 30.0% of mass 198	5517	27.1	Pass
365	1.0 - 100.0% of mass 198	644	3.17	Pass
441	Present, but less than mass 443	2262	11.1 (88.8) ^b	Pass
442	40.0 - 100.0% of mass 198	13227	65.1	Pass
443	17.0 - 23.0% of mass 442	2548	12.5 (19.3) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP5080-IC5080	P113781.D	05/12/17	23:03	00:12	Initial cal 100
EP5080-IC5080	P113782.D	05/12/17	23:32	00:41	Initial cal 80
EP5080-ICC5080	P113783.D	05/13/17	00:01	01:10	Initial cal 50
EP5080-IC5080	P113784.D	05/13/17	00:30	01:39	Initial cal 25
EP5080-IC5080	P113785.D	05/13/17	00:59	02:08	Initial cal 10
EP5080-IC5080	P113786.D	05/13/17	01:27	02:36	Initial cal 5
EP5080-IC5080	P113787.D	05/13/17	01:56	03:05	Initial cal 2
EP5080-IC5080	P113788.D	05/13/17	02:25	03:34	Initial cal 1
EP5080-ICV5080	P113789.D	05/13/17	02:54	04:03	Initial cal verification 50
EP5080-ICV5078	P113789A.D	05/13/17	02:54	04:03	Initial cal verification 50
EP5080-ICV5080	P113790.D	05/13/17	03:23	04:32	Initial cal verification 50
EP5080-ICV5080	P113791.D	05/13/17	03:51	05:00	Initial cal verification 50
EP5080-ICV5080	P113792.D	05/13/17	04:20	05:29	Initial cal verification 50
EP5080-ICV5078	P113792A.D	05/13/17	04:20	05:29	Initial cal verification 50

Instrument Performance Check (DFTPP)

Page 1 of 2

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample: EP5092-DFTPP
Lab File ID: P114085.D
Instrument ID: GCMSP
Injection Date: 05/23/17
Injection Time: 00:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	9154	34.7	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	11820	44.8	Pass
70	Less than 2.0% of mass 69	59	0.22 (0.50) ^a	Pass
127	40.0 - 60.0% of mass 198	11870	45.0	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	26396	100.0	Pass
199	5.0 - 9.0% of mass 198	1794	6.80	Pass
275	10.0 - 30.0% of mass 198	6741	25.5	Pass
365	1.0 - 100.0% of mass 198	796	3.02	Pass
441	Present, but less than mass 443	2497	9.46 (85.4) ^b	Pass
442	40.0 - 100.0% of mass 198	15239	57.7	Pass
443	17.0 - 23.0% of mass 442	2925	11.1 (19.2) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP5092-CC5078	P114086.D	05/23/17	00:44	00:15	Continuing cal 50
EP5092-CC5079	P114087.D	05/23/17	01:13	00:44	Continuing cal 50
OP3013-MB1	P114089.D	05/23/17	02:37	02:08	Method Blank
OP3013-BS1	P114090.D	05/23/17	03:06	02:37	Blank Spike
ZZZZZZ	P114092.D	05/23/17	04:04	03:35	(unrelated sample)
OP3013-MS	P114093.D	05/23/17	04:33	04:04	Matrix Spike
OP3013-MSD	P114094.D	05/23/17	05:02	04:33	Matrix Spike Duplicate
JC43407-3	P114095.D	05/23/17	05:31	05:02	B-14 GW
JC43407-4	P114096.D	05/23/17	06:00	05:31	B-15 GW
JC43407-5	P114097.D	05/23/17	06:29	06:00	MW-1
JC43491-1	P114098.D	05/23/17	06:58	06:29	(used for QC only; not part of job JC43407)
ZZZZZZ	P114099.D	05/23/17	07:27	06:58	(unrelated sample)
ZZZZZZ	P114100.D	05/23/17	07:56	07:27	(unrelated sample)
ZZZZZZ	P114101.D	05/23/17	08:25	07:56	(unrelated sample)
ZZZZZZ	P114102.D	05/23/17	08:54	08:25	(unrelated sample)
ZZZZZZ	P114103.D	05/23/17	09:23	08:54	(unrelated sample)
ZZZZZZ	P114104.D	05/23/17	09:52	09:23	(unrelated sample)
ZZZZZZ	P114105.D	05/23/17	10:21	09:52	(unrelated sample)
ZZZZZZ	P114106.D	05/23/17	10:50	10:21	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Sample:	EP5092-DFTPP	Injection Date:	05/23/17
Lab File ID:	P114085.D	Injection Time:	00:29
Instrument ID:	GCMSP		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	P114107.D	05/23/17	11:19	10:50	(unrelated sample)
ZZZZZZ	P114108.D	05/23/17	11:48	11:19	(unrelated sample)
ZZZZZZ	P114109.D	05/23/17	12:17	11:48	(unrelated sample)

6.4.12
6

Semivolatile Surrogate Recovery Summary

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Method: SW846 8270D	Matrix: AQ
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JC43407-3	P114095.D	39	27	88	68	74	58
JC43407-4	P114096.D	44	31	100	73	79	66
JC43407-5	P114097.D	45	29	96	78	84	80
OP3013-BS1	P114090.D	55	37	96	69	76	98
OP3013-MB1	P114089.D	47	31	92	74	73	91
OP3013-MS	P114093.D	65	52	93	67	77	93
OP3013-MSD	P114094.D	70	60	100	68	78	101

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-110%
S2 = Phenol-d5	10-110%
S3 = 2,4,6-Tribromophenol	36-151%
S4 = Nitrobenzene-d5	34-128%
S5 = 2-Fluorobiphenyl	38-119%
S6 = Terphenyl-d14	26-129%

Semivolatile Surrogate Recovery Summary

Job Number: JC43407
Account: PARTENJE Partner Engineering & Science
Project: 79 Hurley Avenue, Kingston, NY

Method: SW846 8270D	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JC43407-1	M134302.D	60	66	82	80	71	87
JC43407-2	M134303.D	69	74	92	78	75	90
OP2987-BS1	M134271.D	99	96	116	104	89	113
OP2987-MB1	M134270.D	90	90	111	102	91	110
OP2987-MB1	5P39053.D	94	91	90	84	91	99
OP2987-MS	M134289.D	76	74	96	81	74	92
OP2987-MSD	M134290.D	79	77	97	87	76	97

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	23-115%
S2 = Phenol-d5	27-114%
S3 = 2,4,6-Tribromophenol	19-152%
S4 = Nitrobenzene-d5	26-134%
S5 = 2-Fluorobiphenyl	39-124%
S6 = Terphenyl-d14	36-134%



ANALYTICAL REPORT

Lab Number:	L1715695
Client:	Partner Engineering and Science, Inc. 611 Industrial Way W. Eatontown, NJ 07724
ATTN:	Cilien Hanna
Phone:	(732) 380-1700
Project Name:	TWENTY LAKE HOLDINGS
Project Number:	1724956
Report Date:	05/19/17

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), NJ NELAP (MA015), CT (PH-0141), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-13-00067), USFWS (Permit #LE2069641).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: TWENTY LAKE HOLDINGS
Project Number: 1724956

Lab Number: L1715695
Report Date: 05/19/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1715695-01	SG-1	SOIL_VAPOR	73 HARLEY AVE	05/12/17 15:51	05/12/17
L1715695-02	SG-2	SOIL_VAPOR	73 HARLEY AVE	05/12/17 15:54	05/12/17
L1715695-03	SG-3	SOIL_VAPOR	73 HARLEY AVE	05/12/17 15:35	05/12/17

Project Name: TWENTY LAKE HOLDINGS
Project Number: 1724956

Lab Number: L1715695
Report Date: 05/19/17

Case Narrative

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

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

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

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

HOLD POLICY

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

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

Project Name: TWENTY LAKE HOLDINGS
Project Number: 1724956

Lab Number: L1715695
Report Date: 05/19/17

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on May 11, 2017. The canister certification results are provided as an addendum.

Sample L1715695-01 and -02 results for Acetone should be considered estimated due to co-elution with a non-target peak.

Sample L1715695-03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 05/19/17

AIR

Project Name: TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-01
Client ID: SG-1
Sample Location: 73 HARLEY AVE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/19/17 01:16
Analyst: MB

Date Collected: 05/12/17 15:51
Date Received: 05/12/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	15.2	0.200	--	75.2	0.989	--		1
Chloromethane	0.528	0.200	--	1.09	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.35	5.00	--	10.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	16.7	1.00	--	39.7	2.38	--		1
Trichlorofluoromethane	0.453	0.200	--	2.55	1.12	--		1
Isopropanol	1.62	0.500	--	3.98	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.609	0.500	--	1.85	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.786	0.200	--	2.45	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.638	0.500	--	1.88	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-01

Date Collected: 05/12/17 15:51

Client ID: SG-1

Date Received: 05/12/17

Sample Location: 73 HARLEY AVE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.516	0.200	--	1.82	0.705	--		1
1,1,1-Trichloroethane	0.885	0.200	--	4.83	1.09	--		1
Benzene	2.22	0.200	--	7.09	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.62	0.200	--	5.58	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.02	0.200	--	7.61	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.921	0.200	--	4.00	0.869	--		1
p/m-Xylene	2.94	0.400	--	12.8	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1



Project Name: TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-01
 Client ID: SG-1
 Sample Location: 73 HARLEY AVE

Date Collected: 05/12/17 15:51
 Date Received: 05/12/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.20	0.200	--	5.21	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.221	0.200	--	1.09	0.983	--		1
1,2,4-Trimethylbenzene	0.459	0.200	--	2.26	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	73		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	74		60-140



Project Name: TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-02
Client ID: SG-2
Sample Location: 73 HARLEY AVE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/19/17 01:51
Analyst: MB

Date Collected: 05/12/17 15:54
Date Received: 05/12/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	2.39	0.200	--	11.8	0.989	--		1
Chloromethane	0.234	0.200	--	0.483	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.43	5.00	--	10.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	20.8	1.00	--	49.4	2.38	--		1
Trichlorofluoromethane	0.519	0.200	--	2.92	1.12	--		1
Isopropanol	2.04	0.500	--	5.01	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.730	0.500	--	2.21	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.38	0.200	--	4.30	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.572	0.500	--	1.69	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-02

Date Collected: 05/12/17 15:54

Client ID: SG-2

Date Received: 05/12/17

Sample Location: 73 HARLEY AVE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.572	0.200	--	2.02	0.705	--		1
1,1,1-Trichloroethane	0.237	0.200	--	1.29	1.09	--		1
Benzene	2.20	0.200	--	7.03	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.17	0.200	--	4.03	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.54	0.200	--	5.80	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.413	0.200	--	1.79	0.869	--		1
p/m-Xylene	1.40	0.400	--	6.08	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1



Project Name: TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-02
 Client ID: SG-2
 Sample Location: 73 HARLEY AVE

Date Collected: 05/12/17 15:54
 Date Received: 05/12/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.506	0.200	--	2.20	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.228	0.200	--	1.12	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	71		60-140
Bromochloromethane	76		60-140
chlorobenzene-d5	75		60-140



Project Name: TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-03 D
Client ID: SG-3
Sample Location: 73 HARLEY AVE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/19/17 02:26
Analyst: MB

Date Collected: 05/12/17 15:35
Date Received: 05/12/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	2520	8.05	--	12500	39.8	--		40.26
Chloromethane	ND	8.05	--	ND	16.6	--		40.26
Freon-114	ND	8.05	--	ND	56.3	--		40.26
Vinyl chloride	ND	8.05	--	ND	20.6	--		40.26
1,3-Butadiene	ND	8.05	--	ND	17.8	--		40.26
Bromomethane	ND	8.05	--	ND	31.3	--		40.26
Chloroethane	ND	8.05	--	ND	21.2	--		40.26
Ethanol	275	201	--	518	379	--		40.26
Vinyl bromide	ND	8.05	--	ND	35.2	--		40.26
Acetone	ND	40.3	--	ND	95.7	--		40.26
Trichlorofluoromethane	ND	8.05	--	ND	45.2	--		40.26
Isopropanol	ND	20.1	--	ND	49.4	--		40.26
1,1-Dichloroethene	ND	8.05	--	ND	31.9	--		40.26
Tertiary butyl Alcohol	ND	20.1	--	ND	60.9	--		40.26
Methylene chloride	ND	20.1	--	ND	69.8	--		40.26
3-Chloropropene	ND	8.05	--	ND	25.2	--		40.26
Carbon disulfide	ND	8.05	--	ND	25.1	--		40.26
Freon-113	ND	8.05	--	ND	61.7	--		40.26
trans-1,2-Dichloroethene	ND	8.05	--	ND	31.9	--		40.26
1,1-Dichloroethane	ND	8.05	--	ND	32.6	--		40.26
Methyl tert butyl ether	ND	8.05	--	ND	29.0	--		40.26
2-Butanone	ND	20.1	--	ND	59.3	--		40.26
cis-1,2-Dichloroethene	ND	8.05	--	ND	31.9	--		40.26
Ethyl Acetate	ND	20.1	--	ND	72.4	--		40.26



Project Name: TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-03 D

Date Collected: 05/12/17 15:35

Client ID: SG-3

Date Received: 05/12/17

Sample Location: 73 HARLEY AVE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	8.05	--	ND	39.3	--		40.26
Tetrahydrofuran	ND	20.1	--	ND	59.3	--		40.26
1,2-Dichloroethane	ND	8.05	--	ND	32.6	--		40.26
n-Hexane	ND	8.05	--	ND	28.4	--		40.26
1,1,1-Trichloroethane	ND	8.05	--	ND	43.9	--		40.26
Benzene	ND	8.05	--	ND	25.7	--		40.26
Carbon tetrachloride	ND	8.05	--	ND	50.6	--		40.26
Cyclohexane	ND	8.05	--	ND	27.7	--		40.26
1,2-Dichloropropane	ND	8.05	--	ND	37.2	--		40.26
Bromodichloromethane	ND	8.05	--	ND	53.9	--		40.26
1,4-Dioxane	ND	8.05	--	ND	29.0	--		40.26
Trichloroethene	ND	8.05	--	ND	43.3	--		40.26
2,2,4-Trimethylpentane	ND	8.05	--	ND	37.6	--		40.26
Heptane	ND	8.05	--	ND	33.0	--		40.26
cis-1,3-Dichloropropene	ND	8.05	--	ND	36.5	--		40.26
4-Methyl-2-pentanone	ND	20.1	--	ND	82.4	--		40.26
trans-1,3-Dichloropropene	ND	8.05	--	ND	36.5	--		40.26
1,1,2-Trichloroethane	ND	8.05	--	ND	43.9	--		40.26
Toluene	ND	8.05	--	ND	30.3	--		40.26
2-Hexanone	ND	8.05	--	ND	33.0	--		40.26
Dibromochloromethane	ND	8.05	--	ND	68.6	--		40.26
1,2-Dibromoethane	ND	8.05	--	ND	61.9	--		40.26
Tetrachloroethene	ND	8.05	--	ND	54.6	--		40.26
Chlorobenzene	ND	8.05	--	ND	37.1	--		40.26
Ethylbenzene	ND	8.05	--	ND	35.0	--		40.26
p/m-Xylene	ND	16.1	--	ND	69.9	--		40.26
Bromoform	ND	8.05	--	ND	83.2	--		40.26
Styrene	ND	8.05	--	ND	34.3	--		40.26



Project Name: TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17**SAMPLE RESULTS**

Lab ID: L1715695-03 D

Date Collected: 05/12/17 15:35

Client ID: SG-3

Date Received: 05/12/17

Sample Location: 73 HARLEY AVE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	8.05	--	ND	55.3	--		40.26
o-Xylene	ND	8.05	--	ND	35.0	--		40.26
4-Ethyltoluene	ND	8.05	--	ND	39.6	--		40.26
1,3,5-Trimethylbenzene	ND	8.05	--	ND	39.6	--		40.26
1,2,4-Trimethylbenzene	ND	8.05	--	ND	39.6	--		40.26
Benzyl chloride	ND	8.05	--	ND	41.7	--		40.26
1,3-Dichlorobenzene	ND	8.05	--	ND	48.4	--		40.26
1,4-Dichlorobenzene	ND	8.05	--	ND	48.4	--		40.26
1,2-Dichlorobenzene	ND	8.05	--	ND	48.4	--		40.26
1,2,4-Trichlorobenzene	ND	8.05	--	ND	59.8	--		40.26
Hexachlorobutadiene	ND	8.05	--	ND	85.9	--		40.26

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	76		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	78		60-140



Project Name: TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/18/17 15:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1004853-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: TWENTY LAKE HOLDINGS**Lab Number:** L1715695**Project Number:** 1724956**Report Date:** 05/19/17

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/18/17 15:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1004853-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



Project Name: TWENTY LAKE HOLDINGS

Lab Number: L1715695

Project Number: 1724956

Report Date: 05/19/17

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/18/17 15:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1004853-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Lab Control Sample Analysis

Batch Quality Control

Project Name: TWENTY LAKE HOLDINGS

Project Number: 1724956

Lab Number: L1715695

Report Date: 05/19/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1004853-3								
Chlorodifluoromethane	93		-		70-130	-		
Propylene	102		-		70-130	-		
Propane	70		-		70-130	-		
Dichlorodifluoromethane	118		-		70-130	-		
Chloromethane	109		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	123		-		70-130	-		
Methanol	82		-		70-130	-		
Vinyl chloride	112		-		70-130	-		
1,3-Butadiene	111		-		70-130	-		
Butane	90		-		70-130	-		
Bromomethane	118		-		70-130	-		
Chloroethane	113		-		70-130	-		
Ethyl Alcohol	83		-		70-130	-		
Dichlorofluoromethane	97		-		70-130	-		
Vinyl bromide	108		-		70-130	-		
Acrolein	91		-		70-130	-		
Acetone	113		-		70-130	-		
Acetonitrile	96		-		70-130	-		
Trichlorofluoromethane	112		-		70-130	-		
iso-Propyl Alcohol	94		-		70-130	-		
Acrylonitrile	98		-		70-130	-		
Pentane	87		-		70-130	-		
Ethyl ether	78		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: TWENTY LAKE HOLDINGS

Project Number: 1724956

Lab Number: L1715695

Report Date: 05/19/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1004853-3								
1,1-Dichloroethene	116		-		70-130	-		
tert-Butyl Alcohol	92		-		70-130	-		
Methylene chloride	118		-		70-130	-		
3-Chloropropene	104		-		70-130	-		
Carbon disulfide	112		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	119		-		70-130	-		
trans-1,2-Dichloroethene	99		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
Vinyl acetate	112		-		70-130	-		
2-Butanone	87		-		70-130	-		
cis-1,2-Dichloroethene	100		-		70-130	-		
Ethyl Acetate	105		-		70-130	-		
Chloroform	106		-		70-130	-		
Tetrahydrofuran	85		-		70-130	-		
2,2-Dichloropropane	89		-		70-130	-		
1,2-Dichloroethane	99		-		70-130	-		
n-Hexane	93		-		70-130	-		
Isopropyl Ether	87		-		70-130	-		
Ethyl-Tert-Butyl-Ether	82		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
1,1-Dichloropropene	91		-		70-130	-		
Benzene	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: TWENTY LAKE HOLDINGS

Project Number: 1724956

Lab Number: L1715695

Report Date: 05/19/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1004853-3								
Carbon tetrachloride	99		-		70-130	-		
Cyclohexane	90		-		70-130	-		
Tertiary-Amyl Methyl Ether	79		-		70-130	-		
Dibromomethane	95		-		70-130	-		
1,2-Dichloropropane	98		-		70-130	-		
Bromodichloromethane	101		-		70-130	-		
1,4-Dioxane	99		-		70-130	-		
Trichloroethene	103		-		70-130	-		
2,2,4-Trimethylpentane	95		-		70-130	-		
Methyl Methacrylate	93		-		70-130	-		
Heptane	86		-		70-130	-		
cis-1,3-Dichloropropene	101		-		70-130	-		
4-Methyl-2-pentanone	89		-		70-130	-		
trans-1,3-Dichloropropene	88		-		70-130	-		
1,1,2-Trichloroethane	105		-		70-130	-		
Toluene	101		-		70-130	-		
1,3-Dichloropropane	95		-		70-130	-		
2-Hexanone	93		-		70-130	-		
Dibromochloromethane	108		-		70-130	-		
1,2-Dibromoethane	110		-		70-130	-		
Butyl Acetate	92		-		70-130	-		
Octane	92		-		70-130	-		
Tetrachloroethene	106		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: TWENTY LAKE HOLDINGS

Project Number: 1724956

Lab Number: L1715695

Report Date: 05/19/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1004853-3								
1,1,1,2-Tetrachloroethane	96		-		70-130	-		
Chlorobenzene	105		-		70-130	-		
Ethylbenzene	103		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	112		-		70-130	-		
Styrene	102		-		70-130	-		
1,1,2,2-Tetrachloroethane	110		-		70-130	-		
o-Xylene	104		-		70-130	-		
1,2,3-Trichloropropane	94		-		70-130	-		
Nonane (C9)	82		-		70-130	-		
Isopropylbenzene	97		-		70-130	-		
Bromobenzene	94		-		70-130	-		
o-Chlorotoluene	112		-		70-130	-		
n-Propylbenzene	81		-		70-130	-		
p-Chlorotoluene	92		-		70-130	-		
4-Ethyltoluene	102		-		70-130	-		
1,3,5-Trimethylbenzene	102		-		70-130	-		
tert-Butylbenzene	97		-		70-130	-		
1,2,4-Trimethylbenzene	107		-		70-130	-		
Decane (C10)	90		-		70-130	-		
Benzyl chloride	100		-		70-130	-		
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: TWENTY LAKE HOLDINGS

Project Number: 1724956

Lab Number: L1715695

Report Date: 05/19/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1004853-3								
sec-Butylbenzene	96		-		70-130	-		
p-Isopropyltoluene	90		-		70-130	-		
1,2-Dichlorobenzene	108		-		70-130	-		
n-Butylbenzene	101		-		70-130	-		
1,2-Dibromo-3-chloropropane	95		-		70-130	-		
Undecane	94		-		70-130	-		
Dodecane (C12)	106		-		70-130	-		
1,2,4-Trichlorobenzene	121		-		70-130	-		
Naphthalene	103		-		70-130	-		
1,2,3-Trichlorobenzene	106		-		70-130	-		
Hexachlorobutadiene	112		-		70-130	-		

Lab Duplicate Analysis Batch Quality Control

Project Name: TWENTY LAKE HOLDINGS

Project Number: 1724956

Lab Number: L1715695

Report Date: 05/19/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1004853-5 QC Sample: L1716153-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.452	0.408	ppbV	10		25
Chloromethane	0.813	0.804	ppbV	1		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	163	165	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	15.2	15.3	ppbV	1		25
Trichlorofluoromethane	0.353	0.334	ppbV	6		25
iso-Propyl Alcohol	4.26	4.12	ppbV	3		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.751	0.760	ppbV	1		25
Ethyl Acetate	23.8	23.5	ppbV	1		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: TWENTY LAKE HOLDINGS

Project Number: 1724956

Lab Number: L1715695

Report Date: 05/19/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1004853-5 QC Sample: L1716153-02 Client ID: DUP Sample						
Chloroform	0.531	0.522	ppbV	2		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.523	0.553	ppbV	6		25
Benzene	0.465	0.453	ppbV	3		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	1.52	1.51	ppbV	1		25
Heptane	0.547	0.534	ppbV	2		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	1.80	1.82	ppbV	1		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: TWENTY LAKE HOLDINGS

Project Number: 1724956

Lab Number: L1715695

Report Date: 05/19/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1004853-5 QC Sample: L1716153-02 Client ID: DUP Sample						
p/m-Xylene	0.652	0.678	ppbV	4		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	0.331	0.339	ppbV	2		25
4-Ethyltoluene	0.386	0.390	ppbV	1		25
1,3,5-Trimethylbenzene	0.409	0.412	ppbV	1		25
1,2,4-Trimethylbenzene	1.17	1.18	ppbV	1		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: TWENTY LAKE HOLDINGS

Serial_No:05191716:33
Lab Number: L1715695

Project Number: 1724956

Report Date: 05/19/17

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1715695-01	SG-1	0586	Flow 5	05/11/17	241749		-	-	-	Pass	4.5	1.6	95
L1715695-01	SG-1	388	2.7L Can	05/11/17	241749	L1714850-01	Pass	-30.0	-15.0	-	-	-	-
L1715695-02	SG-2	0620	Flow 2	05/11/17	241749		-	-	-	Pass	4.4	3.8	15
L1715695-02	SG-2	178	2.7L Can	05/11/17	241749	L1714850-01	Pass	-30.0	-10.9	-	-	-	-
L1715695-03	SG-3	0784	Flow 5	05/11/17	241749		-	-	-	Pass	4.4	4.4	0
L1715695-03	SG-3	254	2.7L Can	05/11/17	241749	L1714850-01	Pass	-30.0	-9.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1714850
Report Date: 05/19/17

Air Canister Certification Results

Lab ID: L1714850-01
Client ID: CAN 2030 SHELF 7
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 05/09/17 16:11
Analyst: MB

Date Collected: 05/08/17 16:00
Date Received: 05/09/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1714850
Report Date: 05/19/17

Air Canister Certification Results

Lab ID: L1714850-01
 Client ID: CAN 2030 SHELF 7
 Sample Location:

Date Collected: 05/08/17 16:00
 Date Received: 05/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1714850
Report Date: 05/19/17

Air Canister Certification Results

Lab ID: L1714850-01
 Client ID: CAN 2030 SHELF 7
 Sample Location:

Date Collected: 05/08/17 16:00
 Date Received: 05/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1714850
Report Date: 05/19/17

Air Canister Certification Results

Lab ID: L1714850-01
Client ID: CAN 2030 SHELF 7
Sample Location:

Date Collected: 05/08/17 16:00
Date Received: 05/09/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1714850**Project Number:** CANISTER QC BAT**Report Date:** 05/19/17**Air Canister Certification Results**

Lab ID: L1714850-01

Date Collected: 05/08/17 16:00

Client ID: CAN 2030 SHELF 7

Date Received: 05/09/17

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	98		60-140



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1714850**Project Number:** CANISTER QC BAT**Report Date:** 05/19/17**Air Canister Certification Results**

Lab ID: L1714850-01
 Client ID: CAN 2030 SHELF 7
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/09/17 16:11
 Analyst: MB

Date Collected: 05/08/17 16:00
 Date Received: 05/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1714850
Report Date: 05/19/17

Air Canister Certification Results

Lab ID: L1714850-01
Client ID: CAN 2030 SHELF 7
Sample Location:

Date Collected: 05/08/17 16:00
Date Received: 05/09/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1714850
Report Date: 05/19/17

Air Canister Certification Results

Lab ID: L1714850-01
 Client ID: CAN 2030 SHELF 7
 Sample Location:

Date Collected: 05/08/17 16:00
 Date Received: 05/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	97		60-140



Project Name: TWENTY LAKE HOLDINGS**Project Number:** 1724956**Lab Number:** L1715695**Report Date:** 05/19/17**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information Custody Seal**Cooler**

N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1715695-01A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1715695-02A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1715695-03A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days



Project Name: TWENTY LAKE HOLDINGS
Project Number: 1724956

Lab Number: L1715695
Report Date: 05/19/17

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: Data Usability Report



Project Name: TWENTY LAKE HOLDINGS
Project Number: 1724956

Lab Number: L1715695
Report Date: 05/19/17

Data Qualifiers

- reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: TWENTY LAKE HOLDINGS
Project Number: 1724956

Lab Number: L1715695
Report Date: 05/19/17

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 10

Department: **Quality Assurance**

Published Date: 1/16/2017 11:00:05 AM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.****EPA 624:** Volatile Halocarbons & Aromatics,**EPA 608:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.****Mansfield Facility:****Drinking Water****EPA 200.7:** Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

CHAIN OF CUSTODY

PAGE _____ OF _____

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

Client Information

Client: Partner EST
Address: 611 Industrial Way West
Eatontown, NJ 07724
Phone: 732 380 1700
Fax: 732 380 1701
Email: CHANNA@Partnersi.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:	
---	--

Project-Specific Target Compound List: ☐

Project Information

Project Name: Twenty Lake Holdings
Project Location: 73 Hurley Ave
Project #: 1724956
Project Manager: C. Hanna
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: July 17 Time: _____

Report Information - Data Deliverables

☐ FAX
☒ ADEx

Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)

Other Formats: _____
☒ EMAIL (standard pdf report)

Report to: (if different than Project Manager)

ALPHA Job #: L1715695

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
-----------	---------	------------

ANALYSIS

TO-15
TO-15 SIM
APH Subtract Non-petroleum HCs
Fixed Gases
Sulfides & Mercaptans by TO-15 ☐

All Columns Below Must Be Filled Out

[illegible]

***SAMPLE MATRIX CODES**

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

45

Relinquished By:

Date/Time

Received By:

Date/Time:

Form No: 101-02 Rev: (25-Sep-15)