



FOCUSED SUBSURFACE SITE INVESTIGATION (FSSI)

**22-01/19 QUEENS PLAZA NORTH
QUEENS, NEW YORK 11101**

PREPARED FOR

NEW YORK COMMUNITY BANK

FEBRUARY 2019

MECC PROJECT NO. M17702A

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**22-01 TO 22-19 QUEENS PLAZA NORTH
LONG ISLAND CITY, NEW YORK 11101**

PREPARED FOR

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FEBRUARY 26, 2019

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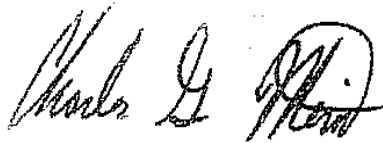
SIGNATURE PAGE

Merritt Environmental Consulting Corp. ("MECC") and the undersigned have completed this Focused Subsurface Site Investigation (the "FSSI") at 22-01 to 22-19 Queens Plaza North, Long Island City, New York (the "Site") in accordance with the scope of work defined in MECC's submitted proposal. This project conducted for environmental due diligence purposes using generally accepted industry practice.

MERRITT ENVIRONMENTAL CONSULTING CORP.



Frank Galdun
Project Geologist



Charles G. Merritt
President/LEED AP

1.0 INTRODUCTION AND SUMMARY OF FINDINGS

This report presents the results of the FSSI conducted by MECC at the Site, which consists of an approximately 111,000 square-foot parcel. The south section of the Site contains a partial one-story and partial two-story commercial/industrial building and the remaining section is open stockyard used by a construction equipment rental company. MECC understands that this study is intended for use as an environmental due diligence instrument.

The principal intent of this study was to establish subsurface soil and groundwater quality beneath the Site in connection with the potential of elevated concentrations of chlorinated volatile organic compounds (VOCs). The Site has been used for industrial purposes and underground petroleum fuel storage tanks (USTs) were historically present. In addition, a New York State Hazardous Waste Site (SHWS) with documented chlorinated VOC contamination in groundwater is proximal to the Site. A series of soil borings were installed and soil and groundwater samples were collected for laboratory analysis.

MECC installed ten (10) soil borings at various locations within the Site building and at the exterior stockyard. Depth to the water table at the Site is between eight feet and ten feet below ground surface (bgs). Grab soil samples and groundwater samples were collected from all borings. Laboratory analysis of groundwater samples show a low to moderate degree of adverse impact to Site groundwater quality by petroleum fuel-related VOCs in a minor number of locations. This condition was caused by leaking USTs and associated dispensers formerly located in the stockyard. MECC concludes that this impacted groundwater and leaking USTs is related to an unresolved petroleum release case under the authority of the New York State Department of Environmental observation (NYSDEC). This petroleum release incident was reported to NYSDEC in 2013 when the USTs and dispensers were removed. No free-phase product was identified on the shallow water table and contaminant concentrations reported by the laboratory do not greatly exceed regulatory limits.

Based on MECC's review of regulatory agency records pertaining to the petroleum release, it does not appear that all contaminated soil was removed from the UST/dispenser excavation in 2013, when work was apparently discontinued by the Site owner. Further, MECC's review of NYSDEC records identified no documentation of proper off-site disposal of any excavated petroleum-contaminated soil. The risk of an extended period to gain case closure with NYSDEC does exist, and they may require further investigation to determine the severity and extent of any remaining impacted and unexcavated soil. If the Site is proposed for redevelopment and excavation work is planned, this activity will serve to expedite efforts to gain case closure since any contaminated material could be addressed at that time.

Perchloroethylene (PCE, a chlorinated VOC) was detected at low concentrations in certain groundwater samples collected from across the Site. This substance was detected in a single groundwater sample at a concentration that slightly exceeds the applicable regulatory limit of 5.0 micrograms per liter (ug/l); this exceedance was reported at 6.0 ug/l in one of the samples collected from beneath the stockyard. None of the remaining groundwater samples were reported to contain PCE or any other chlorinated VOC at concentrations exceeding applicable regulatory limits. None of this laboratory data is indicative of an actionable or reportable condition in connection with the detected presence of chlorinated VOCs in groundwater at the Site. Further, none of the soil samples collected from the Site are reported by the laboratory to contain PCE or other chlorinated VOCs at concentrations that approach applicable regulatory limits.

MECC selected seven of the ten collected soil samples for laboratory analysis under various parameters to evaluate fill quality beneath the Site. A minor number of heavy metals and semi-volatile organic compounds (SVOCs) were detected in certain of these samples at concentrations that slightly exceed the most stringent soil quality limits established by the State of New York. MECC does not consider the presence of these substances as a material threat of adverse impact to the environmental integrity at the Site because they are common constituents of typical urban fill and do not represent a reportable or

actionable release of contaminants to the environment. Should the material be excavated and require off-site disposal by future redevelopment and/or building modification, additional costs for special disposal as nonhazardous urban fill will be incurred should excess material be generated.

MECC has identified no potential of a VOC vapor intrusion condition at the Site. However, the Site is located in an area that has been historically used for industrial purposes in a heavily urbanized setting. If the Site is to be redeveloped to contain new buildings, MECC strongly recommends that, at a minimum, a sub-slab soil vapor barrier, specifically designed to minimize the potential of volatile organic vapor intrusion into structures should be installed as a precautionary measure.

1.1 Background

Please note that delays in field activities were encountered due to lack of initial access into the Site building. MECC was not initially informed that much of the Site building was unoccupied; access to the interior of the vacant building section was not provided until the later portion of the field work. Further, the Site stockyard is near full of construction equipment and Site tenant representatives were not informed of the scope of MECC's field work. Delays did occur since waiting periods were incurred to allow for tenant activities to be completed at planned work areas.

The Site consists of an approximately 111,000- square-foot parcel containing a partial one-story and partial two-story industrial/commercial building at its south end. The Site occupies the entire city block bordered by 41st Avenue to the north, 23rd Street to the east, Queens Plaza North to the south and 22nd Street to the west. The footprint of the Site building is approximately 45,000 square feet; the remainder of the Site is exterior paved stockyard. One small and unoccupied steel-frame storage building is located at the northeast corner of the Site. The apparent sole Site occupant consists of a construction equipment rental operation. This tenant occupies the majority of the exterior stockyard, which contains stored heavy equipment and materials. This tenant also occupies the single-story section of the Site building. The two-story Site building section is not occupied. A small partial basement is present under the east side of the Site building; no other sub-grade levels exist. Site building construction consists of masonry exterior walls over steel frame and a flat roof. Site building heating systems appear to be fueled by natural gas.

A recently completed phase I environmental site assessment (ESA) states that five (5) 4,000-gallon diesel fuel and gasoline USTs, along with associated dispensers, were formerly present under the Site stockyard. Based on information contained in regulatory agency databases included with the ESA, it appears that soil and groundwater at the UST/dispenser area was discovered as early as 1997. NYSDEC records received by MECC show that a groundwater remediation system was proposed at the Site to address the petroleum contamination; it does not appear that the remediation system operated for an extended period. Nevertheless, all historical petroleum spill and Leaking Storage Tank (LTANK) incidents reported to regulators were formally "closed" by NYSDEC with "no further action required" determinations.

The most recently dated document pertaining to subsurface conditions at the former UST/dispenser area (obtained from NYSDEC files) describes a 2010 groundwater monitoring well sampling and laboratory analysis event. This document states that selected monitoring wells were sampled and that laboratory analysis detected no petroleum fuel-related VOCs at concentrations that exceed applicable regulatory limits. This 2010 document recommends no further action at the Site. However, it appears that this document was prepared to address a historical unresolved NYSDEC spill incident, which has been formally closed by NYSDEC.

It does not appear that the gasoline and diesel USTs/dispensers were removed until 2013, although it is possible that the UST system may have been present but inactive prior to this time. Evidence of petroleum contamination was reported to NYSDEC in 2013, and this petroleum spill incident remains unresolved (NYSDEC Spill Case No. 1301128). Records of communication between the Site owner and NYSDEC appear to show that work on contaminated soil removal was not completed. Based on the reviewed documents, it appears that petroleum-contaminated soil could remain at the former fuel dispenser area, which could not be accessed by MECC due to the large amounts of stocked equipment at the Site, although MECC's groundwater sampling and laboratory analysis does show that low-level contamination does exist. Further, it appears that petroleum-impacted soil that was excavated during UST removal work was present in a stockpile at the Site, but no record of proper off-site disposal of this material is included in NYSDEC records.

The ESA also states that physical evidence of a possible abandoned heating oil UST was observed at the Site building. It appears that the UST is likely located to be present at some location under the building floor slab near the partial basement at the east side of the Site. Due to access and time constraints, a more thorough assessment of this UST area was not conducted. However, interior soil borings installed by MECC within the Site building encountered no condition evidencing actionable impact on Site soil or groundwater by a possible heating oil release.

Numerous groundwater monitoring wells were observed in the Site stockyard and proximal to the former UST/dispenser area. Three of these flush-mount well covers were visible and were removed. MECC observed that all wells had been permanently sealed with concrete. Additional well covers are likely present but are covered by stored heavy equipment and other construction-related products. One well was observed in the sidewalk bordering the Site at 22nd Street (west side of the Site), but it was entirely destroyed. The only remaining viable groundwater monitoring well was found in the 23rd Street sidewalk adjacent to the northeast corner of the Site (labeled as "MWA" by MECC on the attached site sketch). MECC collected a groundwater sample from this well for laboratory analysis. It does not appear that this well was installed in response to the petroleum release at the Site, as it is located well away from the former UST system, at a hydraulic upgradient position. It is more likely that the well was installed to investigate a possible off-site source of contamination, and its installation was unrelated to any past Site investigations.

1.2 Topography and Geology

The Site elevation is estimated at roughly 20 feet above mean sea level (see topographic map in Appendix A). Surface topography within the Site is flat with little apparent relief. A rise in surface elevation occurs at areas east-northeast of the Site. This FSSI identified the water table aquifer at depths ranging from eight feet to ten feet bgs. Water table elevation isopleths on published maps and prior Site-specific reports reviewed by MECC show that groundwater flow direction is roughly to the west.

Naturally occurring sediment beneath the Site was found to consist of medium to fine sand with some intervening layers of silt and clay. Fill material is present under the stockyard and ranges in thickness from five feet to, in some cases, ten feet bgs. This material had varying content but primarily included sand, broken rock and crushed brick with some ash and cinder. A much thinner layer of fill material was encountered in borings installed into the Site building footprint.

2.0 FSSI SCOPE OF WORK COMPLETED

MECC retained a drilling contractor to employ a track-mounted hydraulic direct-push drill rig to install ten (10) soil borings at the Site. Mr. Frank Galdun, Project Geologist with MECC was present to direct the driller and to conduct both soil and groundwater sample collection and assessment tasks. All field work was completed on February 7, 2019 and February 8, 2019. Seven (7) soil borings were installed into the exterior stockyard and three (3) borings were placed inside the Site building. All borings were converted to temporary well points for groundwater sampling purposes. Grab soil samples were collected for laboratory analysis from above the water table from all borings.

The maximum depth of the borings was 15 feet bgs. The water table was encountered between approximately eight feet and ten feet bgs. A Site Location Map and Site Plan are provided in Appendix A of this report. Soil samples were collected for laboratory analysis from all borings. The primary area of concern investigated by this study was the potential presence of chlorinated VOCs from either off-site or on-site sources. This FSSI also included an evaluation of the former UST and dispenser area, although access to this area was limited by Site conditions and activities.

3.0 SOIL SAMPLE COLLECTION AND LABORATORY RESULTS

3.1 Soil Quality Field Screening Results

Continuous soil samples were collected for field screening at all of the borings. All soil samples were evaluated for visual or olfactory evidence of contamination. A portable photoionization detector (PID) was used to measure volatile organic vapor levels in each soil sample. Observations and lithologic descriptions for each soil boring are presented in Appendix B.

For the hydraulic direct-push borings, a five-foot plastic sleeve was inserted into each hollow drill rod and was driven into the subsurface. The sleeves are removed from the rods as they are extracted from the soil borings. Soil quality evaluation and soil sampling is conducted by cutting the sleeves longitudinally, exposing the collected soil.

MECC detected no odors or unusual staining in any of the soil samples extracted from the borings. In addition, PID responses were recorded as trace or undetect in all borings. The results of the field screening activities identified no evidence of VOC contamination in soil. However, MECC did identify physical evidence of petroleum, contamination on groundwater and in soil in contact with groundwater at Soil Boring Nos. B2 and B3. Both of these borings were placed at estimated hydraulic downgradient positions relative to the former UST and dispenser areas. A moderate petroleum sheen was observed on groundwater extracted from these borings; this water exhibited what was apparently a diesel fuel odor.

3.2 Soil Sample Analysis Results

MECC collected one grab soil sample from each of the ten borings for laboratory analysis (total ten samples). Sample identifications on the laboratory report in Appendix C show the soil boring and depth of sample collection. Generally, the soil samples were collected from depths of five feet bgs or less to evaluate near-surface soil and fill quality.

MECC submitted all soil and groundwater samples collected during this study to Veritech, a New York State Department of Health-Certified environmental laboratory (NYSDOH ELAP No. 10982). MECC placed all samples collected during this study in containers holding the appropriate preservatives. The laboratory supplied all sample containers used by MECC. All samples were shipped on ice to Veritech within one business day of collection. In addition, MECC completed all appropriate chain of custody documents prior to sample shipment.

All soil samples were analyzed under EPA Method 8260 - VOCs and Table 1 on the following page summarizes these results.

**FOCUSED SUBSURFACE SITE INVESTIGATION
22-01 to 22-19 QUEENS PLAZA NORTH, LONG ISLAND CITY, NEW YORK**

TABLE 1: VOC LABORATORY RESULTS FOR SOIL SAMPLES
Detected compounds only

| Compound | Sample Location and Depth | | | | | | | | | | UUSCO |
|--------------------|---------------------------|-------------|----------|-----------------|-----------------|-------------|-------------|-------------|----------|--------------|-------|
| | B1 5' | B2 3'-5' | B3 6' | B4 5.5'-6.5' | B5 4.5'-6.5' | B6 4'-5' | B7 7'-8' | B8 5'-6' | B9 5' | B10 2'-3' | |
| Acetone | 0.018 | ND | ND | 0.011 | ND | ND | ND | ND | 0.013 | ND | 0.05 |
| Toluene | 0.0013 | ND | ND | 0.0015 | ND | ND | ND | 0.0021 | ND | ND | 0.7 |
| Naphthalene | ND | ND | ND | ND | ND | 0.019 | ND | ND | ND | ND | 12 |
| Xylenes | ND | ND | ND | ND | ND | ND | ND | 0.0011 | ND | ND | 0.26 |
| Methylene chloride | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.05 |
| Perchloroethylene | ND | ND | ND | 0.024 | ND | ND | ND | ND | ND | ND | 1.3 |

NOTES

1. All results are expressed in milligrams per kilogram (mg/kg), which can also be expressed as parts per million (ppm).
2. ND - Parameter non-detected, below method detection limits.
3. Results in bold exceed Unrestricted Use Soil Cleanup Objectives as defined in the New York State Department of Environmental Conservation (NYSDEC), Division of Environmental Remediation, 6 NYCRR Part 375, Environmental Remediation Programs, dated December 14, 2006. For those VOCs not listed in Unrestricted Use SCOs, the Supplemental Soil Cleanup Objectives (Residential) listed in NYSDEC Policy CP-51 / Soil Cleanup Guidance, dated October 21, 2010 was used.

No VOCs were detected at concentrations that approach Unrestricted Use SCOs in any of the soil samples. While NYSDEC has established less restrictive soil quality standards based on non-residential use, the Unrestricted Use SCOs are commonly employed as the default when conducting due diligence investigations.

In order to principally assess shallow fill quality beneath the Site, seven of the grab soil samples were selected for laboratory analysis under EPA Method 8270: Semi-Volatile Organic Compounds (SVOCs). Certain SVOCs were detected and Table 2 on the following page summarizes the laboratory report.

**FOCUSED SUBSURFACE SITE INVESTIGATION
22-01 to 22-19 QUEENS PLAZA NORTH, LONG ISLAND CITY, NEW YORK**

TABLE 2: SVOC LABORATORY RESULTS FOR SOIL SAMPLES

Detected compounds only

| Compound | Sample Location and Depth | | | | | | | SCO |
|------------------------|---------------------------|-----------------|-----------------|-------------|-------------|-------------|--------------|------------------|
| | B2 3'-5' | B4 4.5'-5.5' | B5 4.5'-5.5' | B6 4'-5' | B7 7'-8' | B8 5'-6' | B10 2'-3' | |
| Acenaphthene | ND | 0.051 | 0.21 | 2.5 | ND | ND | ND | 20 |
| Acenaphthylene | 0.061 | 0.053 | 0.089 | ND | ND | 0.1 | ND | 100 |
| Anthracene | 0.076 | 0.13 | 0.46 | 6.2 | 0.053 | 0.11 | ND | 100 |
| Benzo[a]anthracene | 0.45 | 0.53 | 1.4 | 24 | 0.15 | 0.47 | 0.05 | 1.0 1 |
| Benzo[a]pyrene | 0.34 | 0.51 | 1.3 | 17 | 0.12 | 0.37 | 0.045 | 1.0 1 |
| Benzo[b]fluoranthene | 0.5 | 0.069 | 1.7 | 21 | 0.18 | 0.45 | 0.058 | 1.0 1 |
| Benzo[g,h,i]perylene | 0.17 | 0.32 | 0.74 | 8.5 | 0.085 | 0.24 | ND | 100 |
| Benzo[k]fluoranthene | 0.2 | 0.23 | 0.66 | 6.3 | 0.054 | 0.16 | ND | 0.8 3.9 |
| Chrysene | 0.43 | 0.53 | 1.4 | 22 | 0.14 | 0.46 | 0.048 | 1.0 3.9 |
| Dibenzo[a,h]anthracene | ND | 0.087 | 0.22 | 2.6 | ND | 0.076 | ND | 0.33 0.33 |
| Fluoranthene | 0.84 | 1.0 | 3.2 | 40 | 0.3 | 0.61 | 0.086 | 100 |
| Fluorene | ND | 0.042 | 0.18 | 2.1 | ND | ND | ND | 30 |
| Indeno[1,2,3-cd]pyrene | 0.17 | 0.29 | 0.69 | 7.6 | 0.076 | 0.2 | ND | 0.5 0.5 |
| Naphthalene | ND | 0.018 | 0.11 | ND | ND | 0.04 | ND | 12 |
| Phenanthrene | 0.33 | 0.66 | 2.6 | 36 | 0.25 | 0.43 | 0.072 | 100 |
| Pyrene | 0.73 | 1.0 | 3.1 | 54 | 0.32 | 0.83 | 0.1 | 100 |

NOTES

1. All results are expressed in milligrams per kilogram (mg/kg), which can also be expressed as parts per million (ppm).
2. ND - Parameter non-detected, below method detection limits.
3. Results in bold exceed Unrestricted Use Soil Cleanup Objectives as defined in the New York State Department of Environmental Conservation (NYSDEC), Division of Environmental Remediation, 6 NYCRR Part 375, Environmental Remediation Programs, dated December 14, 2006.

Low-level impact by SVOCs typical of the content of urban fill material is evidenced in Sample Nos. B5 4'-5' and B6 4'-5' in Table 2. This condition is not considered unusual by MECC and neither of these borings were placed near the former UST/dispenser area. Further, no physical evidence of petroleum contamination was identified in any of the soil samples extracted from these borings. Accordingly, MECC believes that the elevated SVOC content in the two soil samples is representative of common urban fill.

In order to further evaluate shallow fill quality, the seven selected soil samples were also analyzed at the laboratory for Target Analyte List Heavy Metals (TAL Metals). Table 3 on the following page summarizes the laboratory report.

**FOCUSED SUBSURFACE SITE INVESTIGATION
22-01 to 22-19 QUEENS PLAZA NORTH, LONG ISLAND CITY, NEW YORK**

TABLE 3: TAL METAL LABORATORY RESULTS FOR SOIL SAMPLES

| Compound | Sample Location and Depth | | | | | | | SCO |
|-----------|---------------------------|-----------------|-----------------|-------------|-------------|-------------|--------------|------------|
| | B2 3'-5' | B4 4.5'-5.5' | B5 4.5'-5.5' | B6 4'-5' | B7 7'-8' | B8 5'-6' | B10 2'-3' | |
| Aluminum | 7000 | 14000 | 13000 | 13000 | 9100 | 11000 | 18000 | No SCO |
| Arsenic | 2.5 | 2.0 | 16 | 4.6 | 4.9 | 3.6 | 5.7 | 13 16 |
| Barium | 50 | 90 | 1600 | 180 | 170 | 1100 | 42 | 350 400 |
| Calcium | 30000 | 4000 | 15000 | 83000 | 8900 | 24000 | 1700 | No SCO |
| Chromium | 8.5 | 28 | 48 | 19 | 22 | 53 | 30 | 30 |
| Cobalt | ND | 7.4 | 6.7 | 5.2 | 10 | 5.8 | 8.9 | 30 |
| Copper | ND | 30 | 280 | 97 | 50 | 270 | 17 | 50 270 |
| Cyanide | ND | ND | 0.53 | ND | ND | 2.0 | ND | 27 27 |
| Iron | 7400 | 21000 | 20000 | 14000 | 25000 | 19000 | 24000 | No SCO |
| Lead | 42 | 140 | 3100 | 250 | 190 | 910 | 21 | 63 400 |
| Magnesium | 4800 | 3400 | 3700 | 8100 | 3900 | 3700 | 3400 | No SCO |
| Manganese | 170 | 250 | 520 | 400 | 390 | 400 | 210 | 1600 2000 |
| Nickel | ND | 19 | 25 | 15 | 29 | 21 | ND | 30 310 |
| Potassium | 630 | 840 | 1100 | 1700 | 3300 | 2400 | 960 | No SCO |
| Thallium | ND | ND | ND | ND | ND | ND | ND | No SCO |
| Sodium | 670 | ND | ND | 660 | ND | ND | ND | No SCO |
| Vanadium | 12 | 29 | 33 | 27 | 32 | 33 | 34 | 100 |
| Zinc | 33 | 100 | 1300 | 130 | 140 | 500 | 73 | 109 10,000 |
| Antimony | ND | ND | ND | ND | ND | ND | ND | No SCO |
| Beryllium | 0.31 | ND | 0.51 | ND | 0.27 | ND | ND | 7.2 72 |
| Cadmium | ND | ND | 2.0 | ND | ND | 2.2 | ND | 2.5 4.3 |
| Silver | ND | ND | 0.66 | ND | ND | ND | ND | 2 180 |
| Selenium | ND | ND | ND | ND | ND | ND | ND | No SCO |
| Mercury | ND | 0.11 | 1.4 | 0.27 | ND | ND | ND | 0.18 0.81 |

NOTES

1. All results are expressed in milligrams per kilogram (mg/kg), which can also be expressed as parts per million (ppm).
2. ND - Parameter non-detected, below method detection limits.
3. Results in bold exceed Unrestricted Use Soil Cleanup Objectives as defined in the New York State Department of Environmental Conservation (NYSDEC), Division of Environmental Remediation, 6 NYCRR Part 375, Environmental Remediation Programs, dated December 14, 2006. For those TAL Metals not listed in Unrestricted Use SCOs, the Supplemental Soil Cleanup Objectives (Residential) listed in NYSDEC Policy CP-51 / Soil Cleanup Guidance, dated October 21, 2010 was used.

As shown in the table, several TAL Metals were detected in the samples above the Unrestricted Use SCOs and will cause an increase in the cost for soil disposal during any future building modification. However, none of these results are considered by MECC to be uncommon in connection with the composition of typical urban fill material and do not represent an actionable or reportable condition. Significantly, no elevated TAL Metals concentrations were detected in B10 2'-3'; B10 was installed inside the Site building and the laboratory analytical data does generally confirm that little or no fill exists under the structure.

The seven selected soil samples were also analyzed for polychlorinated biphenyls (PCBs) as an additional means of evaluating fill quality. Table 4 on the following page summarizes the laboratory report.

FOCUSED SUBSURFACE SITE INVESTIGATION
22-01 to 22-19 QUEENS PLAZA NORTH, LONG ISLAND CITY, NEW YORK

TABLE 4: PCB LABORATORY RESULTS FOR SOIL SAMPLES
Detected compounds only

| Compound | Sample Location and Depth | | | | | | | SCO |
|----------|---------------------------|-----------------|-----------------|-------------|-------------|-------------|--------------|-----|
| | B2 3'-5' | B4 4.5'-5.5' | B5 4.5'-5.5' | B6 4'-5' | B7 7'-8' | B8 5'-6' | B10 2'-3' | |
| PCBs | 0.039 | ND | ND | ND | ND | 0.029 | ND | 0.1 |

NOTES

1. All results are expressed in milligrams per kilogram (mg/kg), which can also be expressed as parts per million (ppm).
2. ND - Parameter non-detected, below method detection limits.
3. Results in bold exceed Unrestricted Use Soil Cleanup Objectives as defined in the New York State Department of Environmental Conservation (NYSDEC), Division of Environmental Remediation, 6 NYCRR Part 375, Environmental Remediation Programs, dated December 14, 2006

No PCBs were detected in any of the samples at concentrations that approach the Unrestricted Use SCO.

4.0 GROUNDWATER SAMPLE COLLECTION AND LABORATORY RESULTS

MECC collected one (1) groundwater sample from each of the ten (10) borings. All groundwater samples were analyzed at Veritech under EPA Method 8260: VOCs.

The hydraulic direct push samples were collected by inserting dedicated one-inch diameter slotted well screen topped with un-slotted riser to surface. The well screen at each boring was ten feet in length and extended to 15 feet bgs. Water was withdrawn from each temporary well point using dedicated, disposable flexible tubing that had been pushed through the screen. The tube was attached to a peristaltic pump and the water was withdrawn and placed into the appropriate sample containers. MECC also conducted depth to water measurements at each well before sampling activities. Low flow sampling procedures were also conducted.

The groundwater monitoring well located in the sidewalk near the northeast corner of the Site is designated by MECC as MWA. This well is constructed of one-inch PVC tubing and extends to 15.3 feet bgs. Depth to water in MWA was measured at 8.95 feet bgs. Water sampling was conducted in the same manner as that employed for groundwater sampling at the temporary well points.

4.1 Groundwater Sample Analysis Results

All four groundwater samples were analyzed for VOCs and Table 5 provides a summary of laboratory analysis.

| TABLE 5: VOC LABORATORY RESULTS FOR GROUNDWATER SAMPLES | | | | | | | | | | | | |
|--|-----------------|------|------------|------------|------------|------|------|------|-----------|------|-------|--------------|
| Detected compounds only | | | | | | | | | | | | |
| Compound | Sample Location | | | | | | | | | | | Standard |
| | MWA | B1GW | B2GW | B3GW | B4GW | B5GW | B6GW | B7GW | B8GW | B9GW | B10GW | |
| 1,3,5-Trimethylbenzene | ND | ND | 1.9 | 1.8 | ND | ND | ND | ND | ND | ND | ND | 5 |
| 1,2,4-Trimethylbenzene | ND | ND | ND | 5.7 | ND | ND | ND | ND | ND | ND | ND | 5 |
| Benzene | ND | ND | 2.7 | ND | ND | ND | ND | ND | ND | ND | ND | 0.7 1 |
| Ethylbenzene | ND | ND | 2.9 | 2.7 | ND | ND | ND | ND | ND | ND | ND | 5 |
| Isopropylbenzene | ND | ND | 28 | 8.3 | ND | ND | ND | ND | ND | ND | ND | 5 |
| Xylenes | ND | ND | 11 | 11 | ND | ND | ND | ND | ND | ND | ND | 5 |
| Naphthalene | ND | ND | 9.3 | 10 | ND | ND | 1.3 | ND | 11 | ND | ND | 10 |
| n-Butylbenzene | ND | ND | 16 | 12 | ND | ND | ND | ND | ND | ND | ND | 5 |
| n-Propylbenzene | ND | ND | 47 | 24 | ND | ND | ND | ND | ND | ND | ND | 5 |
| sec-Butylbenzene | ND | ND | 5.7 | 32 | ND | ND | ND | ND | ND | ND | ND | 5 |
| Toluene | ND | ND | 2.4 | ND | ND | ND | ND | ND | ND | ND | ND | 5 |
| Chlorobenzene | ND | ND | 1.8 | ND | ND | ND | ND | ND | ND | ND | ND | 5 |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | 4.7 | ND | ND | ND | ND | ND | ND | 5 3 |
| Perchloroethylene | ND | ND | 2.5 | ND | 6.0 | ND | 2.2 | ND | ND | 4.1 | 4.1 | 5 |
| Total VOCs | 0.0 | 0.0 | 119 | 107.5 | 10.7 | 0.0 | 3.3 | 0.0 | 11 | 4.1 | 4.1 | |

NOTES

1. Results expressed in micrograms per liter (ug/l), which can also be expressed as parts per billion (ppb).
2. Any result in bold exceeds New York State Department of Health Maximum Contaminant Level for drinking water, and the guidance values or standard listed in the NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values.
3. ND: Parameter non-detected, below method detection limits.

**FOCUSED SUBSURFACE SITE INVESTIGATION
22-01 to 22-19 QUEENS PLAZA NORTH, LONG ISLAND CITY, NEW YORK**

As shown, petroleum fuel-related VOCs were detected at elevated concentrations in B2GW and in B3GW. Both of these borings were placed at estimated hydraulic downgradient positions relative to the former UST and dispenser area. While exceedances of regulatory standards are shown, MECC believes that this condition represents a moderate degree of impact on groundwater quality. However, it is likely that NYSDEC will require further investigation of soil and groundwater quality at the former UST/dispenser area in connection with Spill Case No. 1301128.

Significantly, no VOCs were detected in MWA, which is the sole remaining viable off-site monitoring well previously installed by others.

Four selected groundwater samples were further analyzed at the laboratory under EPA Method 8270; Table 6 summarizes the laboratory data:

| Substance | Sample Location | | | | Standard |
|------------------------|-----------------|-----------|------|------------|-----------------|
| | B2GW | B3GW | B4GW | B6GW | |
| Acenaphthene | ND | 2.5 | ND | 3.5 | 20 |
| Anthracene | ND | ND | ND | 6.5 | 50 |
| Benzo[a]anthracene | ND | ND | ND | 26 | 0.002 |
| Benzo[a]pyrene | ND | ND | ND | 18 | 0.002 ND |
| Benzo[b]fluoranthene | ND | ND | ND | 21 | 0.002 |
| Benzo[g,h,i]perylene | ND | ND | ND | 12 | 5 NS |
| Benzo[k]fluoranthene | ND | ND | ND | 8.3 | 0.002 |
| Chrysene | ND | ND | ND | 23 | 0.002 |
| Dibenzo[a,h]anthracene | ND | ND | ND | 3.4 | 50 NS |
| Fluoranthene | ND | 5.1 | ND | 36 | 50 |
| Fluorene | ND | 5.1 | ND | 2.7 | 50 |
| Indeno[1,2,3-cd]pyrene | ND | ND | ND | 9.4 | 0.002 |
| Naphthalene | 4.3 | 12 | ND | 1.1 | 10 |
| Phenanthrene | ND | 6.90 | ND | 33 | 50 |
| Pyrene | ND | 4.5 | ND | 56 | 50 |
| TOTAL SVOCs | 4.3 | 36.1 | 0.0 | 259.9 | |

NOTES

1. Results expressed in micrograms per liter (ug/l), which can also be expressed as parts per billion (ppb).
2. Any result in bold exceeds New York State Department of Health Maximum Contaminant Level for drinking water, and the guidance values or standard listed in the NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values.
3. ND: Parameter non-detected, below method detection limits.

B2GW, B3GW and B4GW were all installed at estimated hydraulic downgradient positions relative to the former UST/dispenser area. Naphthalene, a constituent of diesel fuel, was detected B3GW at a slightly elevated concentration. No other SVOCs were detected at levels exceeding applicable regulatory limits in B2GW and B3GW where physical evidence of petroleum impact was identified on groundwater, and where VOC laboratory analysis confirmed a petroleum release. B6GW was collected from a boring located at an estimated hydraulic upgradient position relative to the former UST/dispenser area, and no physical evidence of petroleum contamination was identified in soil or groundwater at this boring. Several SVOCs were detected at concentrations that exceed applicable regulatory limits in B6GW. However, a substantial thickness of urban fill is present at the subsurface within B6 and the collected

groundwater sample was highly turbid. MECC therefore believes that the elevated SVOC levels in B6GW are a result of suspended solids consisting of fill constituents in the media is the cause of this condition.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The principal finding of this study is the lack of any evidence to suggest that chlorinated VOCs are present in soil or groundwater at the Site at actionable or reportable concentrations. While residual levels of PCE were detected in certain groundwater samples, MECC concludes that this condition represents general background groundwater quality and that no evidence was uncovered to suggest that the Site is the source of an actionable PCE release. MECC believes that the number and positioning of groundwater sample collection points was sufficient in establishing Site groundwater quality with in connection with the potential presence of chlorinated VOCs.

MECC has confirmed that elevated concentrations of petroleum fuel-related VOCs exist in groundwater at an estimated hydraulic downgradient position relative to the former UST/dispenser area. This data reveals evidence of the possibility of petroleum-contaminated soil that may remain in the vicinity of the former UST/dispenser area; this condition can be directly related to the unresolved petroleum spill incident reported to NYSDEC in 2013. Regulatory agency files pertinent to the Site (obtained from NYSDEC) indicate it is possible that contaminated soil excavation efforts were discontinued by a prior Site owner. No documentation exists in these files showing that petroleum-contaminated soil was removed from the Site for proper disposal. While not considered severe, the discovered petroleum contamination in groundwater shows that additional action will be required by NYSDEC to address the unresolved spill case against the Site (Spill Case No. 1301128).

Fill material is present beneath the Site and laboratory analytical data shows that this material contains slightly elevated levels of certain TAL Metals and pesticides. These reported contaminant concentrations and contaminant types are common to urban fill and were not reported by the laboratory at unusually high levels, but any future soil excavation activity will incur higher charges for special disposal should excess material be generated.

One potential abandoned heating oil UST may be present under the Site building, but laboratory analysis of soil and groundwater sample collected from soil borings installed inside the structure identified no evidence of an actionable petroleum release. This UST, if present, will need to be properly and permanently closed in accordance with applicable state regulations and guidance documents.

6.0 LIMITATIONS OF THE FSSI

MECC has completed this Focused Subsurface Site Investigation in accordance with the contract scope of work, using reasonable efforts to attempt to identify areas of potential liability associated with adverse environmental conditions at the Site. MECC has made no independent investigation of the accuracy of secondary sources and has assumed them to be accurate and complete. MECC does not warrant the accuracy or completeness of information provided by secondary sources. MECC does not warrant that the Site is suitable for any particular purpose or that the Site is clean or free of liability. This study is intended solely for environmental due diligence purposes, was not designed to meet regulatory requirements for delineation of the contamination discovered at the Site and was not a submittal for regulatory agency review.

**APPENDIX A:
SITE LOCATION MAP
SITE PLAN**

SITE

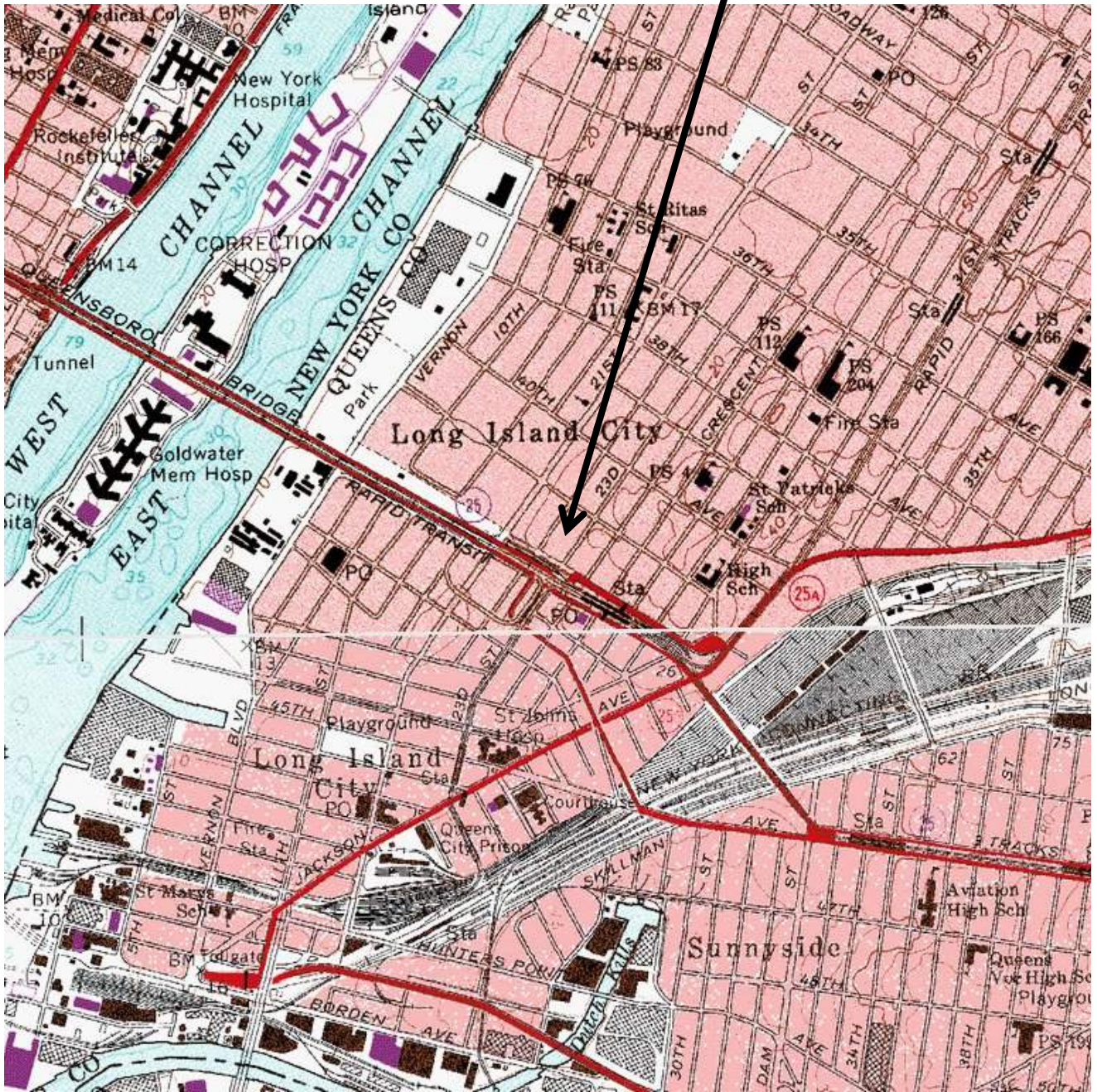
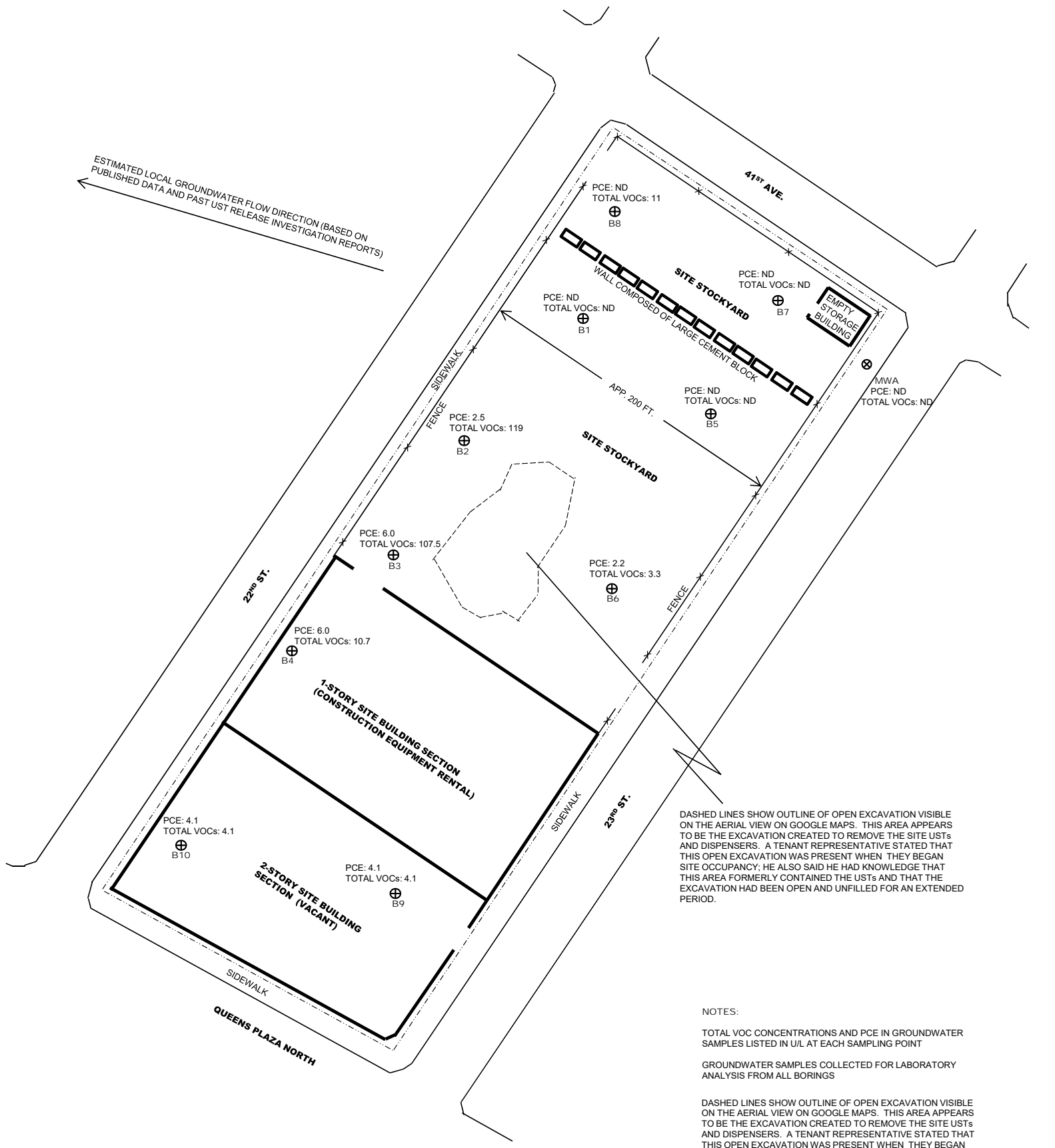


FIGURE 1: SITE LOCATION MAP
Contour Interval: 10'
USGS 7.5" Quadrangle Map titled *Central Park, NY*, dated 1995

Site Address:
22-01 to 22-19 Queens Plaza N.
Long Island City, NY



ESTIMATED LOCAL GROUNDWATER FLOW DIRECTION (BASED ON PUBLISHED DATA AND PAST UST RELEASE INVESTIGATION REPORTS)



DASHED LINES SHOW OUTLINE OF OPEN EXCAVATION VISIBLE ON THE AERIAL VIEW ON GOOGLE MAPS. THIS AREA APPEARS TO BE THE EXCAVATION CREATED TO REMOVE THE SITE USTs AND DISPENSERS. A TENANT REPRESENTATIVE STATED THAT THIS OPEN EXCAVATION WAS PRESENT WHEN THEY BEGAN SITE OCCUPANCY; HE ALSO SAID HE HAD KNOWLEDGE THAT THIS AREA FORMERLY CONTAINED THE USTs AND THAT THE EXCAVATION HAD BEEN OPEN AND UNFILLED FOR AN EXTENDED PERIOD.

NOTES:
 TOTAL VOC CONCENTRATIONS AND PCE IN GROUNDWATER SAMPLES LISTED IN U/L AT EACH SAMPLING POINT
 GROUNDWATER SAMPLES COLLECTED FOR LABORATORY ANALYSIS FROM ALL BORINGS

DASHED LINES SHOW OUTLINE OF OPEN EXCAVATION VISIBLE ON THE AERIAL VIEW ON GOOGLE MAPS. THIS AREA APPEARS TO BE THE EXCAVATION CREATED TO REMOVE THE SITE USTs AND DISPENSERS. A TENANT REPRESENTATIVE STATED THAT THIS OPEN EXCAVATION WAS PRESENT WHEN THEY BEGAN SITE OCCUPANCY; HE ALSO SAID HE HAD KNOWLEDGE THAT THIS AREA FORMERLY CONTAINED THE USTs AND THAT THE EXCAVATION HAD BEEN OPEN AND UNFILLED FOR AN EXTENDED PERIOD.

NUMEROUS GROUNDWATER MONITORING WELL COVER PLATES ARE PRESENT IN THE VICINITY OF THIS FORMER EXCAVATION, BUT ALL ARE EITHER DESTROYED OR PERMANENTLY SEALED WITH CONCRETE.

FOR THOSE SOIL BORINGS WHERE TOTAL VOC CONTENT IN GROUNDWATER EXCEEDS INDIVIDUAL PCE CONTENT, ALL ADDITIONAL VOCs CONSIST OF PETROLEUM FUEL-RELATED SUBSTANCES

SITE SKETCH: 21-01 TO 21-19 QUEENS PLAZA NORTH
 NOT TO SCALE LONG ISLAND CITY, NY

PATTERNED LINES ENCLOSE THE SITE

⊕ DENOTES EXISTING AND VIABLE MONITORING WELLS
 ⊕ DENOTES SOIL BORING LOCATIONS



**APPENDIX B:
SOIL BORING LOGS**

**APPENDIX C:
LABORATORY REPORT OF ANALYSIS**

Hampton-Clarke Report Of Analysis

Client: GFE LLC

HC Project #: 9021105

Project: 22-01 Queen Plz.N.LI City

Sample ID: B1 5'

Collection Date: 2/7/2019

Lab#: AD09023-001

Receipt Date: 2/11/2019

Matrix: Soil

% Solids SM2540G

| Analyte | DF | Units | RL | Result |
|----------|----|---------|----|--------|
| % Solids | 1 | percent | | 89 |

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result |
|--------------------------|--------------|--------------|---------------|---------------|
| 1,1,1-Trichloroethane | 0.973 | mg/kg | 0.0022 | ND |
| 1,1-Dichloroethane | 0.973 | mg/kg | 0.0022 | ND |
| 1,1-Dichloroethene | 0.973 | mg/kg | 0.0022 | ND |
| 1,2,4-Trimethylbenzene | 0.973 | mg/kg | 0.0011 | ND |
| 1,2-Dichlorobenzene | 0.973 | mg/kg | 0.0022 | ND |
| 1,2-Dichloroethane | 0.973 | mg/kg | 0.0022 | ND |
| 1,3,5-Trimethylbenzene | 0.973 | mg/kg | 0.0011 | ND |
| 1,3-Dichlorobenzene | 0.973 | mg/kg | 0.0022 | ND |
| 1,4-Dichlorobenzene | 0.973 | mg/kg | 0.0022 | ND |
| 1,4-Dioxane | 0.973 | mg/kg | 0.11 | ND |
| 2-Butanone | 0.973 | mg/kg | 0.0022 | ND |
| 4-Isopropyltoluene | 0.973 | mg/kg | 0.0011 | ND |
| Acetone | 0.973 | mg/kg | 0.011 | 0.018 |
| Benzene | 0.973 | mg/kg | 0.0011 | ND |
| Carbon tetrachloride | 0.973 | mg/kg | 0.0022 | ND |
| Chlorobenzene | 0.973 | mg/kg | 0.0022 | ND |
| Chloroform | 0.973 | mg/kg | 0.0022 | ND |
| cis-1,2-Dichloroethane | 0.973 | mg/kg | 0.0022 | ND |
| Ethylbenzene | 0.973 | mg/kg | 0.0011 | ND |
| Isopropylbenzene | 0.973 | mg/kg | 0.0011 | ND |
| m&p-Xylenes | 0.973 | mg/kg | 0.0011 | ND |
| Methylene chloride | 0.973 | mg/kg | 0.0022 | ND |
| Methyl-t-butyl ether | 0.973 | mg/kg | 0.0011 | ND |
| Naphthalene | 0.973 | mg/kg | 0.0011 | ND |
| n-Butylbenzene | 0.973 | mg/kg | 0.0011 | ND |
| n-Propylbenzene | 0.973 | mg/kg | 0.0011 | ND |
| o-Xylene | 0.973 | mg/kg | 0.0011 | ND |
| sec-Butylbenzene | 0.973 | mg/kg | 0.0011 | ND |
| t-Butylbenzene | 0.973 | mg/kg | 0.0011 | ND |
| Tetrachloroethene | 0.973 | mg/kg | 0.0022 | ND |
| Toluene | 0.973 | mg/kg | 0.0011 | 0.0013 |
| trans-1,2-Dichloroethene | 0.973 | mg/kg | 0.0022 | ND |
| Trichloroethene | 0.973 | mg/kg | 0.0022 | ND |
| Vinyl chloride | 0.973 | mg/kg | 0.0022 | ND |
| Xylenes (Total) | 0.973 | mg/kg | 0.0011 | ND |

| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
|-----------------------|-------|-------|-----------|------------|----------|-------|
| Toluene-d8 | 28.76 | 30 | 68 | 122 | 96 | |
| Dibromofluoromethane | 29.99 | 30 | 63 | 140 | 100 | |
| Bromofluorobenzene | 30.40 | 30 | 64 | 129 | 101 | |
| 1,2-Dichloroethane-d4 | 29.53 | 30 | 63 | 143 | 98 | |

Sample ID: B2 3'-5'
 Lab#: AD09023-002
 Matrix: Soil

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

% Solids SM2540G

| Analyte | DF | Units | RL | Result |
|----------|----|---------|----|--------|
| % Solids | 1 | percent | | 86 |

Cyanide (Soil/Waste) 9012B

| Analyte | DF | Units | RL | Result |
|---------|----|-------|------|--------|
| Cyanide | 1 | mg/kg | 0.28 | ND |

Mercury (Soil/Waste) 7471B

| Analyte | DF | Units | RL | Result |
|---------|----|-------|-------|--------|
| Mercury | 1 | mg/kg | 0.097 | ND |

PAH Compounds 8270

| Analyte | DF | Units | RL | Result | | |
|------------------------|-------|-------|-----------|------------|----------|-------|
| Acenaphthene | 1 | mg/kg | 0.039 | ND | | |
| Acenaphthylene | 1 | mg/kg | 0.039 | 0.061 | | |
| Anthracene | 1 | mg/kg | 0.039 | 0.076 | | |
| Benzo[a]anthracene | 1 | mg/kg | 0.039 | 0.45 | | |
| Benzo[a]pyrene | 1 | mg/kg | 0.039 | 0.34 | | |
| Benzo[b]fluoranthene | 1 | mg/kg | 0.039 | 0.50 | | |
| Benzo[g,h,i]perylene | 1 | mg/kg | 0.039 | 0.17 | | |
| Benzo[k]fluoranthene | 1 | mg/kg | 0.039 | 0.20 | | |
| Chrysene | 1 | mg/kg | 0.039 | 0.43 | | |
| Dibenzo[a,h]anthracene | 1 | mg/kg | 0.039 | 0.065 | | |
| Fluoranthene | 1 | mg/kg | 0.039 | 0.84 | | |
| Fluorene | 1 | mg/kg | 0.039 | ND | | |
| Indeno[1,2,3-cd]pyrene | 1 | mg/kg | 0.039 | 0.17 | | |
| Naphthalene | 1 | mg/kg | 0.0097 | ND | | |
| Phenanthrene | 1 | mg/kg | 0.039 | 0.33 | | |
| Pyrene | 1 | mg/kg | 0.039 | 0.73 | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Terphenyl-d14 | 48.64 | 50 | 58 | 148 | 97 | |
| Phenol-d5 | 82.81 | 100 | 49 | 129 | 83 | |
| Nitrobenzene-d5 | 40.30 | 50 | 52 | 129 | 81 | |
| 2-Fluorophenol | 81.68 | 100 | 43 | 128 | 82 | |
| 2-Fluorobiphenyl | 42.19 | 50 | 58 | 125 | 84 | |
| 2,4,6-Tribromophenol | 88.29 | 100 | 54 | 145 | 88 | |

PCB 8082

| Analyte | DF | Units | RL | Result | | |
|-----------------|--------|-------|-----------|------------|----------|-------|
| Aroclor (Total) | 1 | mg/kg | 0.029 | 0.039 | | |
| Aroclor-1016 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1221 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1232 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1242 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1248 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1254 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1260 | 1 | mg/kg | 0.029 | 0.039 | | |
| Aroclor-1262 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1268 | 1 | mg/kg | 0.029 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| TCMX-Surrogate | 106.75 | 100 | 37 | 141 | 107 | |
| TCMX-Surrogate | 107.19 | 100 | 37 | 141 | 107 | |
| DCB-Surrogate | 131.13 | 100 | 34 | 146 | 131 | |
| DCB-Surrogate | 128.45 | 100 | 34 | 146 | 128 | |

TAL Metals 6010D

| Analyte | DF | Units | RL | Result |
|----------|----|-------|------|--------|
| Aluminum | 1 | mg/kg | 230 | 7000 |
| Barium | 1 | mg/kg | 12 | 50 |
| Calcium | 1 | mg/kg | 1200 | 30000 |
| Chromium | 1 | mg/kg | 5.8 | 8.5 |
| Cobalt | 1 | mg/kg | 2.9 | ND |
| Copper | 1 | mg/kg | 5.8 | ND |
| Iron | 1 | mg/kg | 230 | 7400 |
| Lead | 1 | mg/kg | 5.8 | 42 |

Sample ID: B2 3'-5'
 Lab#: AD09023-002
 Matrix: Soil

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

| | | | | |
|-----------|---|-------|-----|------|
| Magnesium | 1 | mg/kg | 580 | 4800 |
| Manganese | 1 | mg/kg | 12 | 170 |
| Nickel | 1 | mg/kg | 5.8 | ND |
| Potassium | 1 | mg/kg | 580 | 630 |
| Sodium | 1 | mg/kg | 290 | 670 |
| Vanadium | 1 | mg/kg | 12 | 12 |
| Zinc | 1 | mg/kg | 12 | 33 |

TAL Metals 6020B

| Analyte | DF | Units | RL | Result |
|-----------|----|-------|------|--------|
| Antimony | 1 | mg/kg | 0.93 | ND |
| Arsenic | 1 | mg/kg | 0.23 | 2.5 |
| Beryllium | 1 | mg/kg | 0.23 | 0.31 |
| Cadmium | 1 | mg/kg | 0.47 | ND |
| Selenium | 1 | mg/kg | 2.3 | ND |
| Silver | 1 | mg/kg | 0.23 | ND |
| Thallium | 1 | mg/kg | 0.47 | ND |

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|-------|-------|-----------|------------|----------|-------|
| 1,1,1-Trichloroethane | 1.01 | mg/kg | 0.0023 | ND | | |
| 1,1-Dichloroethane | 1.01 | mg/kg | 0.0023 | ND | | |
| 1,1-Dichloroethene | 1.01 | mg/kg | 0.0023 | ND | | |
| 1,2,4-Trimethylbenzene | 1.01 | mg/kg | 0.0012 | ND | | |
| 1,2-Dichlorobenzene | 1.01 | mg/kg | 0.0023 | ND | | |
| 1,2-Dichloroethane | 1.01 | mg/kg | 0.0023 | ND | | |
| 1,3,5-Trimethylbenzene | 1.01 | mg/kg | 0.0012 | ND | | |
| 1,3-Dichlorobenzene | 1.01 | mg/kg | 0.0023 | ND | | |
| 1,4-Dichlorobenzene | 1.01 | mg/kg | 0.0023 | ND | | |
| 1,4-Dioxane | 1.01 | mg/kg | 0.12 | ND | | |
| 2-Butanone | 1.01 | mg/kg | 0.0023 | ND | | |
| 4-Isopropyltoluene | 1.01 | mg/kg | 0.0012 | ND | | |
| Acetone | 1.01 | mg/kg | 0.012 | ND | | |
| Benzene | 1.01 | mg/kg | 0.0012 | ND | | |
| Carbon tetrachloride | 1.01 | mg/kg | 0.0023 | ND | | |
| Chlorobenzene | 1.01 | mg/kg | 0.0023 | ND | | |
| Chloroform | 1.01 | mg/kg | 0.0023 | ND | | |
| cis-1,2-Dichloroethene | 1.01 | mg/kg | 0.0023 | ND | | |
| Ethylbenzene | 1.01 | mg/kg | 0.0012 | ND | | |
| Isopropylbenzene | 1.01 | mg/kg | 0.0012 | ND | | |
| m&p-Xylenes | 1.01 | mg/kg | 0.0012 | ND | | |
| Methylene chloride | 1.01 | mg/kg | 0.0023 | ND | | |
| Methyl-t-butyl ether | 1.01 | mg/kg | 0.0012 | ND | | |
| Naphthalene | 1.01 | mg/kg | 0.0012 | ND | | |
| n-Butylbenzene | 1.01 | mg/kg | 0.0012 | ND | | |
| n-Propylbenzene | 1.01 | mg/kg | 0.0012 | ND | | |
| o-Xylene | 1.01 | mg/kg | 0.0012 | ND | | |
| sec-Butylbenzene | 1.01 | mg/kg | 0.0012 | ND | | |
| t-Butylbenzene | 1.01 | mg/kg | 0.0012 | ND | | |
| Tetrachloroethene | 1.01 | mg/kg | 0.0023 | ND | | |
| Toluene | 1.01 | mg/kg | 0.0012 | ND | | |
| trans-1,2-Dichloroethene | 1.01 | mg/kg | 0.0023 | ND | | |
| Trichloroethene | 1.01 | mg/kg | 0.0023 | ND | | |
| Vinyl chloride | 1.01 | mg/kg | 0.0023 | ND | | |
| Xylenes (Total) | 1.01 | mg/kg | 0.0012 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 29.39 | 30 | 68 | 122 | 98 | |
| Dibromofluoromethane | 30.14 | 30 | 63 | 140 | 100 | |
| Bromofluorobenzene | 30.45 | 30 | 64 | 129 | 101 | |
| 1,2-Dichloroethane-d4 | 29.56 | 30 | 63 | 143 | 99 | |

Sample ID: B3 6'
 Lab#: AD09023-003
 Matrix: Soil

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

% Solids SM2540G

| Analyte | DF | Units | RL | Result |
|----------|----|---------|----|--------|
| % Solids | 1 | percent | | 92 |

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|-------|-------|-----------|------------|----------|-------|
| 1,1,1-Trichloroethane | 0.958 | mg/kg | 0.0021 | ND | | |
| 1,1-Dichloroethane | 0.958 | mg/kg | 0.0021 | ND | | |
| 1,1-Dichloroethene | 0.958 | mg/kg | 0.0021 | ND | | |
| 1,2,4-Trimethylbenzene | 0.958 | mg/kg | 0.0010 | ND | | |
| 1,2-Dichlorobenzene | 0.958 | mg/kg | 0.0021 | ND | | |
| 1,2-Dichloroethane | 0.958 | mg/kg | 0.0021 | ND | | |
| 1,3,5-Trimethylbenzene | 0.958 | mg/kg | 0.0010 | ND | | |
| 1,3-Dichlorobenzene | 0.958 | mg/kg | 0.0021 | ND | | |
| 1,4-Dichlorobenzene | 0.958 | mg/kg | 0.0021 | ND | | |
| 1,4-Dioxane | 0.958 | mg/kg | 0.10 | ND | | |
| 2-Butanone | 0.958 | mg/kg | 0.0021 | ND | | |
| 4-Isopropyltoluene | 0.958 | mg/kg | 0.0010 | ND | | |
| Acetone | 0.958 | mg/kg | 0.010 | ND | | |
| Benzene | 0.958 | mg/kg | 0.0010 | ND | | |
| Carbon tetrachloride | 0.958 | mg/kg | 0.0021 | ND | | |
| Chlorobenzene | 0.958 | mg/kg | 0.0021 | ND | | |
| Chloroform | 0.958 | mg/kg | 0.0021 | ND | | |
| cis-1,2-Dichloroethene | 0.958 | mg/kg | 0.0021 | ND | | |
| Ethylbenzene | 0.958 | mg/kg | 0.0010 | ND | | |
| Isopropylbenzene | 0.958 | mg/kg | 0.0010 | ND | | |
| m&p-Xylenes | 0.958 | mg/kg | 0.0010 | ND | | |
| Methylene chloride | 0.958 | mg/kg | 0.0021 | ND | | |
| Methyl-t-butyl ether | 0.958 | mg/kg | 0.0010 | ND | | |
| Naphthalene | 0.958 | mg/kg | 0.0010 | ND | | |
| n-Butylbenzene | 0.958 | mg/kg | 0.0010 | ND | | |
| n-Propylbenzene | 0.958 | mg/kg | 0.0010 | ND | | |
| o-Xylene | 0.958 | mg/kg | 0.0010 | ND | | |
| sec-Butylbenzene | 0.958 | mg/kg | 0.0010 | ND | | |
| t-Butylbenzene | 0.958 | mg/kg | 0.0010 | ND | | |
| Tetrachloroethene | 0.958 | mg/kg | 0.0021 | ND | | |
| Toluene | 0.958 | mg/kg | 0.0010 | ND | | |
| trans-1,2-Dichloroethene | 0.958 | mg/kg | 0.0021 | ND | | |
| Trichloroethene | 0.958 | mg/kg | 0.0021 | ND | | |
| Vinyl chloride | 0.958 | mg/kg | 0.0021 | ND | | |
| Xylenes (Total) | 0.958 | mg/kg | 0.0010 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 29.17 | 30 | 68 | 122 | 97 | |
| Dibromofluoromethane | 30.50 | 30 | 63 | 140 | 102 | |
| Bromofluorobenzene | 30.36 | 30 | 64 | 129 | 101 | |
| 1,2-Dichloroethane-d4 | 30.91 | 30 | 63 | 143 | 103 | |

Sample ID: B4 5.5-6.5'
 Lab#: AD09023-004
 Matrix: Soil

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

% Solids SM2540G

| Analyte | DF | Units | RL | Result |
|----------|----|---------|----|--------|
| % Solids | 1 | percent | | 90 |

Cyanide (Soil/Waste) 9012B

| Analyte | DF | Units | RL | Result |
|---------|----|-------|------|--------|
| Cyanide | 1 | mg/kg | 0.27 | ND |

Mercury (Soil/Waste) 7471B

| Analyte | DF | Units | RL | Result |
|---------|----|-------|-------|--------|
| Mercury | 1 | mg/kg | 0.093 | 0.11 |

PAH Compounds 8270

| Analyte | DF | Units | RL | Result | | |
|------------------------|-------|-------|-----------|------------|----------|-------|
| Acenaphthene | 1 | mg/kg | 0.037 | 0.051 | | |
| Acenaphthylene | 1 | mg/kg | 0.037 | 0.053 | | |
| Anthracene | 1 | mg/kg | 0.037 | 0.13 | | |
| Benzo[a]anthracene | 1 | mg/kg | 0.037 | 0.53 | | |
| Benzo[a]pyrene | 1 | mg/kg | 0.037 | 0.51 | | |
| Benzo[b]fluoranthene | 1 | mg/kg | 0.037 | 0.69 | | |
| Benzo[g,h,i]perylene | 1 | mg/kg | 0.037 | 0.32 | | |
| Benzo[k]fluoranthene | 1 | mg/kg | 0.037 | 0.23 | | |
| Chrysene | 1 | mg/kg | 0.037 | 0.53 | | |
| Dibenzo[a,h]anthracene | 1 | mg/kg | 0.037 | 0.087 | | |
| Fluoranthene | 1 | mg/kg | 0.037 | 1.0 | | |
| Fluorene | 1 | mg/kg | 0.037 | 0.042 | | |
| Indeno[1,2,3-cd]pyrene | 1 | mg/kg | 0.037 | 0.29 | | |
| Naphthalene | 1 | mg/kg | 0.0093 | 0.018 | | |
| Phenanthrene | 1 | mg/kg | 0.037 | 0.66 | | |
| Pyrene | 1 | mg/kg | 0.037 | 1.0 | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Terphenyl-d14 | 45.19 | 50 | 58 | 148 | 90 | |
| Phenol-d5 | 82.83 | 100 | 49 | 129 | 83 | |
| Nitrobenzene-d5 | 39.26 | 50 | 52 | 129 | 79 | |
| 2-Fluorophenol | 81.96 | 100 | 43 | 128 | 82 | |
| 2-Fluorobiphenyl | 41.92 | 50 | 58 | 125 | 84 | |
| 2,4,6-Tribromophenol | 84.69 | 100 | 54 | 145 | 85 | |

PCB 8082

| Analyte | DF | Units | RL | Result | | |
|-----------------|--------|-------|-----------|------------|----------|-------|
| Aroclor (Total) | 1 | mg/kg | 0.028 | ND | | |
| Aroclor-1016 | 1 | mg/kg | 0.028 | ND | | |
| Aroclor-1221 | 1 | mg/kg | 0.028 | ND | | |
| Aroclor-1232 | 1 | mg/kg | 0.028 | ND | | |
| Aroclor-1242 | 1 | mg/kg | 0.028 | ND | | |
| Aroclor-1248 | 1 | mg/kg | 0.028 | ND | | |
| Aroclor-1254 | 1 | mg/kg | 0.028 | ND | | |
| Aroclor-1260 | 1 | mg/kg | 0.028 | ND | | |
| Aroclor-1262 | 1 | mg/kg | 0.028 | ND | | |
| Aroclor-1268 | 1 | mg/kg | 0.028 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| TCMX-Surrogate | 119.46 | 100 | 37 | 141 | 119 | |
| TCMX-Surrogate | 101.04 | 100 | 37 | 141 | 101 | |
| DCB-Surrogate | 115.60 | 100 | 34 | 146 | 116 | |
| DCB-Surrogate | 92.18 | 100 | 34 | 146 | 92 | |

TAL Metals 6010D

| Analyte | DF | Units | RL | Result |
|----------|----|-------|------|--------|
| Aluminum | 1 | mg/kg | 220 | 14000 |
| Barium | 1 | mg/kg | 11 | 90 |
| Calcium | 1 | mg/kg | 1100 | 4000 |
| Chromium | 1 | mg/kg | 5.6 | 28 |
| Cobalt | 1 | mg/kg | 2.8 | 7.4 |
| Copper | 1 | mg/kg | 5.6 | 30 |
| Iron | 1 | mg/kg | 220 | 21000 |
| Lead | 1 | mg/kg | 5.6 | 140 |

Sample ID: B4 5.5-6.5'
 Lab#: AD09023-004
 Matrix: Soil

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

| | | | | |
|-----------|---|-------|-----|------|
| Magnesium | 1 | mg/kg | 560 | 3400 |
| Manganese | 1 | mg/kg | 11 | 250 |
| Nickel | 1 | mg/kg | 5.6 | 19 |
| Potassium | 1 | mg/kg | 560 | 840 |
| Sodium | 1 | mg/kg | 280 | ND |
| Vanadium | 1 | mg/kg | 11 | 29 |
| Zinc | 1 | mg/kg | 11 | 100 |

TAL Metals 6020B

| Analyte | DF | Units | RL | Result |
|-----------|----|-------|------|--------|
| Antimony | 1 | mg/kg | 0.89 | ND |
| Arsenic | 1 | mg/kg | 0.22 | 2.0 |
| Beryllium | 1 | mg/kg | 0.22 | ND |
| Cadmium | 1 | mg/kg | 0.44 | ND |
| Selenium | 1 | mg/kg | 2.2 | ND |
| Silver | 1 | mg/kg | 0.22 | ND |
| Thallium | 1 | mg/kg | 0.44 | ND |

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|----------|--------------|---------------|---------------|----------|-------|
| 1,1,1-Trichloroethane | 1 | mg/kg | 0.0022 | ND | | |
| 1,1-Dichloroethane | 1 | mg/kg | 0.0022 | ND | | |
| 1,1-Dichloroethene | 1 | mg/kg | 0.0022 | ND | | |
| 1,2,4-Trimethylbenzene | 1 | mg/kg | 0.0011 | ND | | |
| 1,2-Dichlorobenzene | 1 | mg/kg | 0.0022 | ND | | |
| 1,2-Dichloroethane | 1 | mg/kg | 0.0022 | ND | | |
| 1,3,5-Trimethylbenzene | 1 | mg/kg | 0.0011 | ND | | |
| 1,3-Dichlorobenzene | 1 | mg/kg | 0.0022 | ND | | |
| 1,4-Dichlorobenzene | 1 | mg/kg | 0.0022 | ND | | |
| 1,4-Dioxane | 1 | mg/kg | 0.11 | ND | | |
| 2-Butanone | 1 | mg/kg | 0.0022 | ND | | |
| 4-Isopropyltoluene | 1 | mg/kg | 0.0011 | ND | | |
| Acetone | 1 | mg/kg | 0.011 | 0.011 | | |
| Benzene | 1 | mg/kg | 0.0011 | ND | | |
| Carbon tetrachloride | 1 | mg/kg | 0.0022 | ND | | |
| Chlorobenzene | 1 | mg/kg | 0.0022 | ND | | |
| Chloroform | 1 | mg/kg | 0.0022 | ND | | |
| cis-1,2-Dichloroethene | 1 | mg/kg | 0.0022 | ND | | |
| Ethylbenzene | 1 | mg/kg | 0.0011 | ND | | |
| Isopropylbenzene | 1 | mg/kg | 0.0011 | ND | | |
| m&p-Xylenes | 1 | mg/kg | 0.0011 | ND | | |
| Methylene chloride | 1 | mg/kg | 0.0022 | ND | | |
| Methyl-t-butyl ether | 1 | mg/kg | 0.0011 | ND | | |
| Naphthalene | 1 | mg/kg | 0.0011 | ND | | |
| n-Butylbenzene | 1 | mg/kg | 0.0011 | ND | | |
| n-Propylbenzene | 1 | mg/kg | 0.0011 | ND | | |
| o-Xylene | 1 | mg/kg | 0.0011 | ND | | |
| sec-Butylbenzene | 1 | mg/kg | 0.0011 | ND | | |
| t-Butylbenzene | 1 | mg/kg | 0.0011 | ND | | |
| Tetrachloroethene | 1 | mg/kg | 0.0022 | 0.024 | | |
| Toluene | 1 | mg/kg | 0.0011 | 0.0015 | | |
| trans-1,2-Dichloroethene | 1 | mg/kg | 0.0022 | ND | | |
| Trichloroethene | 1 | mg/kg | 0.0022 | ND | | |
| Vinyl chloride | 1 | mg/kg | 0.0022 | ND | | |
| Xylenes (Total) | 1 | mg/kg | 0.0011 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 29.62 | 30 | 68 | 122 | 99 | |
| Dibromofluoromethane | 30.65 | 30 | 63 | 140 | 102 | |
| Bromofluorobenzene | 32.19 | 30 | 64 | 129 | 107 | |
| 1,2-Dichloroethane-d4 | 30.26 | 30 | 63 | 143 | 101 | |

Sample ID: B5 4.5'-5.5'
 Lab#: AD09023-005
 Matrix: Soil

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

% Solids SM2540G

| Analyte | DF | Units | RL | Result |
|----------|----|---------|----|--------|
| % Solids | 1 | percent | | 79 |

Cyanide (Soil/Waste) 9012B

| Analyte | DF | Units | RL | Result |
|---------|----|-------|------|--------|
| Cyanide | 1 | mg/kg | 0.30 | 0.53 |

Mercury (Soil/Waste) 7471B

| Analyte | DF | Units | RL | Result |
|---------|----|-------|------|--------|
| Mercury | 1 | mg/kg | 0.11 | 1.4 |

PAH Compounds 8270

| Analyte | DF | Units | RL | Result | | |
|------------------------|-------|-------|-----------|------------|----------|-------|
| Acenaphthene | 1 | mg/kg | 0.042 | 0.21 | | |
| Acenaphthylene | 1 | mg/kg | 0.042 | 0.089 | | |
| Anthracene | 1 | mg/kg | 0.042 | 0.46 | | |
| Benzo[a]anthracene | 1 | mg/kg | 0.042 | 1.4 | | |
| Benzo[a]pyrene | 1 | mg/kg | 0.042 | 1.3 | | |
| Benzo[b]fluoranthene | 1 | mg/kg | 0.042 | 1.7 | | |
| Benzo[g,h,i]perylene | 1 | mg/kg | 0.042 | 0.74 | | |
| Benzo[k]fluoranthene | 1 | mg/kg | 0.042 | 0.66 | | |
| Chrysene | 1 | mg/kg | 0.042 | 1.4 | | |
| Dibenzo[a,h]anthracene | 1 | mg/kg | 0.042 | 0.22 | | |
| Fluoranthene | 1 | mg/kg | 0.042 | 3.2 | | |
| Fluorene | 1 | mg/kg | 0.042 | 0.18 | | |
| Indeno[1,2,3-cd]pyrene | 1 | mg/kg | 0.042 | 0.69 | | |
| Naphthalene | 1 | mg/kg | 0.011 | 0.11 | | |
| Phenanthrene | 1 | mg/kg | 0.042 | 2.6 | | |
| Pyrene | 1 | mg/kg | 0.042 | 3.1 | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Terphenyl-d14 | 44.09 | 50 | 58 | 148 | 88 | |
| Phenol-d5 | 72.93 | 100 | 49 | 129 | 73 | |
| Nitrobenzene-d5 | 34.95 | 50 | 52 | 129 | 70 | |
| 2-Fluorophenol | 70.53 | 100 | 43 | 128 | 71 | |
| 2-Fluorobiphenyl | 37.03 | 50 | 58 | 125 | 74 | |
| 2,4,6-Tribromophenol | 80.59 | 100 | 54 | 145 | 81 | |

PCB 8082

| Analyte | DF | Units | RL | Result | | |
|-----------------|--------|-------|-----------|------------|----------|-------|
| Aroclor (Total) | 1 | mg/kg | 0.032 | ND | | |
| Aroclor-1016 | 1 | mg/kg | 0.032 | ND | | |
| Aroclor-1221 | 1 | mg/kg | 0.032 | ND | | |
| Aroclor-1232 | 1 | mg/kg | 0.032 | ND | | |
| Aroclor-1242 | 1 | mg/kg | 0.032 | ND | | |
| Aroclor-1248 | 1 | mg/kg | 0.032 | ND | | |
| Aroclor-1254 | 1 | mg/kg | 0.032 | ND | | |
| Aroclor-1260 | 1 | mg/kg | 0.032 | ND | | |
| Aroclor-1262 | 1 | mg/kg | 0.032 | ND | | |
| Aroclor-1268 | 1 | mg/kg | 0.032 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| TCMX-Surrogate | 110.39 | 100 | 37 | 141 | 110 | |
| TCMX-Surrogate | 92.90 | 100 | 37 | 141 | 93 | |
| DCB-Surrogate | 104.97 | 100 | 34 | 146 | 105 | |
| DCB-Surrogate | 84.41 | 100 | 34 | 146 | 84 | |

TAL Metals 6010D

| Analyte | DF | Units | RL | Result |
|----------|----|-------|------|--------|
| Aluminum | 1 | mg/kg | 250 | 13000 |
| Barium | 2 | mg/kg | 25 | 1600 |
| Calcium | 1 | mg/kg | 1300 | 15000 |
| Chromium | 1 | mg/kg | 6.3 | 48 |
| Cobalt | 1 | mg/kg | 3.2 | 6.7 |
| Copper | 1 | mg/kg | 6.3 | 280 |
| Iron | 1 | mg/kg | 250 | 20000 |
| Lead | 4 | mg/kg | 25 | 3100 |

Sample ID: B5 4.5'-5.5'
 Lab#: AD09023-005
 Matrix: Soil

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

| | | | | |
|-----------|---|-------|-----|------|
| Magnesium | 1 | mg/kg | 630 | 3700 |
| Manganese | 1 | mg/kg | 13 | 520 |
| Nickel | 1 | mg/kg | 6.3 | 25 |
| Potassium | 1 | mg/kg | 630 | 1100 |
| Sodium | 1 | mg/kg | 320 | ND |
| Vanadium | 2 | mg/kg | 25 | 33 |
| Zinc | 2 | mg/kg | 25 | 1300 |

TAL Metals 6020B

| Analyte | DF | Units | RL | Result |
|-----------|----|-------|------|--------|
| Antimony | 1 | mg/kg | 1.0 | ND |
| Arsenic | 1 | mg/kg | 0.25 | 16 |
| Beryllium | 2 | mg/kg | 0.51 | 0.51 |
| Cadmium | 1 | mg/kg | 0.51 | 2.0 |
| Selenium | 1 | mg/kg | 2.5 | ND |
| Silver | 1 | mg/kg | 0.25 | 0.66 |
| Thallium | 1 | mg/kg | 0.51 | ND |

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|-------|-------|-----------|------------|----------|-------|
| 1,1,1-Trichloroethane | 0.988 | mg/kg | 0.0025 | ND | | |
| 1,1-Dichloroethane | 0.988 | mg/kg | 0.0025 | ND | | |
| 1,1-Dichloroethene | 0.988 | mg/kg | 0.0025 | ND | | |
| 1,2,4-Trimethylbenzene | 0.988 | mg/kg | 0.0013 | ND | | |
| 1,2-Dichlorobenzene | 0.988 | mg/kg | 0.0025 | ND | | |
| 1,2-Dichloroethane | 0.988 | mg/kg | 0.0025 | ND | | |
| 1,3,5-Trimethylbenzene | 0.988 | mg/kg | 0.0013 | ND | | |
| 1,3-Dichlorobenzene | 0.988 | mg/kg | 0.0025 | ND | | |
| 1,4-Dichlorobenzene | 0.988 | mg/kg | 0.0025 | ND | | |
| 1,4-Dioxane | 0.988 | mg/kg | 0.13 | ND | | |
| 2-Butanone | 0.988 | mg/kg | 0.0025 | ND | | |
| 4-Isopropyltoluene | 0.988 | mg/kg | 0.0013 | ND | | |
| Acetone | 0.988 | mg/kg | 0.013 | ND | | |
| Benzene | 0.988 | mg/kg | 0.0013 | ND | | |
| Carbon tetrachloride | 0.988 | mg/kg | 0.0025 | ND | | |
| Chlorobenzene | 0.988 | mg/kg | 0.0025 | ND | | |
| Chloroform | 0.988 | mg/kg | 0.0025 | ND | | |
| cis-1,2-Dichloroethene | 0.988 | mg/kg | 0.0025 | ND | | |
| Ethylbenzene | 0.988 | mg/kg | 0.0013 | ND | | |
| Isopropylbenzene | 0.988 | mg/kg | 0.0013 | ND | | |
| m&p-Xylenes | 0.988 | mg/kg | 0.0013 | ND | | |
| Methylene chloride | 0.988 | mg/kg | 0.0025 | ND | | |
| Methyl-t-butyl ether | 0.988 | mg/kg | 0.0013 | ND | | |
| Naphthalene | 0.988 | mg/kg | 0.0013 | ND | | |
| n-Butylbenzene | 0.988 | mg/kg | 0.0013 | ND | | |
| n-Propylbenzene | 0.988 | mg/kg | 0.0013 | ND | | |
| o-Xylene | 0.988 | mg/kg | 0.0013 | ND | | |
| sec-Butylbenzene | 0.988 | mg/kg | 0.0013 | ND | | |
| t-Butylbenzene | 0.988 | mg/kg | 0.0013 | ND | | |
| Tetrachloroethene | 0.988 | mg/kg | 0.0025 | ND | | |
| Toluene | 0.988 | mg/kg | 0.0013 | ND | | |
| trans-1,2-Dichloroethene | 0.988 | mg/kg | 0.0025 | ND | | |
| Trichloroethene | 0.988 | mg/kg | 0.0025 | ND | | |
| Vinyl chloride | 0.988 | mg/kg | 0.0025 | ND | | |
| Xylenes (Total) | 0.988 | mg/kg | 0.0013 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 30.51 | 30 | 68 | 122 | 102 | |
| Dibromofluoromethane | 31.48 | 30 | 63 | 140 | 105 | |
| Bromofluorobenzene | 34.22 | 30 | 64 | 129 | 114 | |
| 1,2-Dichloroethane-d4 | 30.39 | 30 | 63 | 143 | 101 | |

Sample ID: B6 4'-5'
 Lab#: AD09023-006
 Matrix: Soil

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

% Solids SM2540G

| Analyte | DF | Units | RL | Result |
|----------|----|---------|----|--------|
| % Solids | 1 | percent | | 86 |

Cyanide (Soil/Waste) 9012B

| Analyte | DF | Units | RL | Result |
|---------|----|-------|------|--------|
| Cyanide | 1 | mg/kg | 0.28 | ND |

Mercury (Soil/Waste) 7471B

| Analyte | DF | Units | RL | Result |
|---------|----|-------|-------|--------|
| Mercury | 1 | mg/kg | 0.097 | 0.27 |

PAH Compounds 8270

| Analyte | DF | Units | RL | Result | | |
|------------------------|-------|-------|-----------|------------|----------|-------|
| Acenaphthene | 30 | mg/kg | 1.2 | 2.5 | | |
| Acenaphthylene | 30 | mg/kg | 1.2 | ND | | |
| Anthracene | 30 | mg/kg | 1.2 | 6.2 | | |
| Benzo[a]anthracene | 30 | mg/kg | 1.2 | 24 | | |
| Benzo[a]pyrene | 30 | mg/kg | 1.2 | 17 | | |
| Benzo[b]fluoranthene | 30 | mg/kg | 1.2 | 21 | | |
| Benzo[g,h,i]perylene | 30 | mg/kg | 1.2 | 8.5 | | |
| Benzo[k]fluoranthene | 30 | mg/kg | 1.2 | 6.3 | | |
| Chrysene | 30 | mg/kg | 1.2 | 22 | | |
| Dibenzo[a,h]anthracene | 30 | mg/kg | 1.2 | 2.6 | | |
| Fluoranthene | 30 | mg/kg | 1.2 | 40 | | |
| Fluorene | 30 | mg/kg | 1.2 | 2.1 | | |
| Indeno[1,2,3-cd]pyrene | 30 | mg/kg | 1.2 | 7.6 | | |
| Naphthalene | 30 | mg/kg | 0.29 | ND | | |
| Phenanthrene | 30 | mg/kg | 1.2 | 36 | | |
| Pyrene | 30 | mg/kg | 1.2 | 54 | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Terphenyl-d14 | 0.00 | 50 | 58 | 148 | 0 | Sb8 |
| Phenol-d5 | 0.00 | 100 | 49 | 129 | 0 | |
| Nitrobenzene-d5 | 0.00 | 50 | 52 | 129 | 0 | Sb8 |
| 2-Fluorophenol | 0.00 | 100 | 43 | 128 | 0 | |
| 2-Fluorobiphenyl | 0.00 | 50 | 58 | 125 | 0 | Sb8 |
| 2,4,6-Tribromophenol | 0.00 | 100 | 54 | 145 | 0 | |

PCB 8082

| Analyte | DF | Units | RL | Result | | |
|-----------------|--------|-------|-----------|------------|----------|-------|
| Aroclor (Total) | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1016 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1221 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1232 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1242 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1248 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1254 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1260 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1262 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1268 | 1 | mg/kg | 0.029 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| TCMX-Surrogate | 102.39 | 100 | 37 | 141 | 102 | |
| TCMX-Surrogate | 81.15 | 100 | 37 | 141 | 81 | |
| DCB-Surrogate | 96.34 | 100 | 34 | 146 | 96 | |
| DCB-Surrogate | 79.33 | 100 | 34 | 146 | 79 | |

TAL Metals 6010D

| Analyte | DF | Units | RL | Result |
|----------|----|-------|------|--------|
| Aluminum | 1 | mg/kg | 230 | 13000 |
| Barium | 1 | mg/kg | 12 | 180 |
| Calcium | 5 | mg/kg | 5800 | 83000 |
| Chromium | 1 | mg/kg | 5.8 | 19 |
| Cobalt | 1 | mg/kg | 2.9 | 5.2 |
| Copper | 1 | mg/kg | 5.8 | 97 |
| Iron | 1 | mg/kg | 230 | 14000 |
| Lead | 1 | mg/kg | 5.8 | 250 |

Sample ID: B6 4'-5'
 Lab#: AD09023-006
 Matrix: Soil

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

| | | | | |
|-----------|---|-------|-----|------|
| Magnesium | 1 | mg/kg | 580 | 8100 |
| Manganese | 1 | mg/kg | 12 | 400 |
| Nickel | 1 | mg/kg | 5.8 | 15 |
| Potassium | 1 | mg/kg | 580 | 1700 |
| Sodium | 1 | mg/kg | 290 | 660 |
| Vanadium | 1 | mg/kg | 12 | 27 |
| Zinc | 1 | mg/kg | 12 | 130 |

TAL Metals 6020B

| Analyte | DF | Units | RL | Result |
|-----------|----|-------|------|--------|
| Antimony | 1 | mg/kg | 0.93 | ND |
| Arsenic | 1 | mg/kg | 0.23 | 4.6 |
| Beryllium | 1 | mg/kg | 0.23 | ND |
| Cadmium | 1 | mg/kg | 0.47 | ND |
| Selenium | 1 | mg/kg | 2.3 | ND |
| Silver | 1 | mg/kg | 0.23 | ND |
| Thallium | 1 | mg/kg | 0.47 | ND |

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|--------------|--------------|---------------|--------------|----------|-------|
| 1,1,1-Trichloroethane | 0.986 | mg/kg | 0.0023 | ND | | |
| 1,1-Dichloroethane | 0.986 | mg/kg | 0.0023 | ND | | |
| 1,1-Dichloroethene | 0.986 | mg/kg | 0.0023 | ND | | |
| 1,2,4-Trimethylbenzene | 0.986 | mg/kg | 0.0011 | ND | | |
| 1,2-Dichlorobenzene | 0.986 | mg/kg | 0.0023 | ND | | |
| 1,2-Dichloroethane | 0.986 | mg/kg | 0.0023 | ND | | |
| 1,3,5-Trimethylbenzene | 0.986 | mg/kg | 0.0011 | ND | | |
| 1,3-Dichlorobenzene | 0.986 | mg/kg | 0.0023 | ND | | |
| 1,4-Dichlorobenzene | 0.986 | mg/kg | 0.0023 | ND | | |
| 1,4-Dioxane | 0.986 | mg/kg | 0.11 | ND | | |
| 2-Butanone | 0.986 | mg/kg | 0.0023 | ND | | |
| 4-Isopropyltoluene | 0.986 | mg/kg | 0.0011 | ND | | |
| Acetone | 0.986 | mg/kg | 0.011 | ND | | |
| Benzene | 0.986 | mg/kg | 0.0011 | ND | | |
| Carbon tetrachloride | 0.986 | mg/kg | 0.0023 | ND | | |
| Chlorobenzene | 0.986 | mg/kg | 0.0023 | ND | | |
| Chloroform | 0.986 | mg/kg | 0.0023 | ND | | |
| cis-1,2-Dichloroethene | 0.986 | mg/kg | 0.0023 | ND | | |
| Ethylbenzene | 0.986 | mg/kg | 0.0011 | ND | | |
| Isopropylbenzene | 0.986 | mg/kg | 0.0011 | ND | | |
| m&p-Xylenes | 0.986 | mg/kg | 0.0011 | ND | | |
| Methylene chloride | 0.986 | mg/kg | 0.0023 | ND | | |
| Methyl-t-butyl ether | 0.986 | mg/kg | 0.0011 | ND | | |
| Naphthalene | 0.986 | mg/kg | 0.0011 | 0.019 | | |
| n-Butylbenzene | 0.986 | mg/kg | 0.0011 | ND | | |
| n-Propylbenzene | 0.986 | mg/kg | 0.0011 | ND | | |
| o-Xylene | 0.986 | mg/kg | 0.0011 | ND | | |
| sec-Butylbenzene | 0.986 | mg/kg | 0.0011 | ND | | |
| t-Butylbenzene | 0.986 | mg/kg | 0.0011 | ND | | |
| Tetrachloroethene | 0.986 | mg/kg | 0.0023 | ND | | |
| Toluene | 0.986 | mg/kg | 0.0011 | ND | | |
| trans-1,2-Dichloroethene | 0.986 | mg/kg | 0.0023 | ND | | |
| Trichloroethene | 0.986 | mg/kg | 0.0023 | ND | | |
| Vinyl chloride | 0.986 | mg/kg | 0.0023 | ND | | |
| Xylenes (Total) | 0.986 | mg/kg | 0.0011 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 28.44 | 30 | 68 | 122 | 95 | |
| Dibromofluoromethane | 30.65 | 30 | 63 | 140 | 102 | |
| Bromofluorobenzene | 31.83 | 30 | 64 | 129 | 106 | |
| 1,2-Dichloroethane-d4 | 30.16 | 30 | 63 | 143 | 101 | |

Sample ID: B7 7'-8'
 Lab#: AD09023-007
 Matrix: Soil

Collection Date: 2/8/2019
 Receipt Date: 2/11/2019

% Solids SM2540G

| Analyte | DF | Units | RL | Result |
|----------|----|---------|----|--------|
| % Solids | 1 | percent | | 86 |

Cyanide (Soil/Waste) 9012B

| Analyte | DF | Units | RL | Result |
|---------|----|-------|------|--------|
| Cyanide | 1 | mg/kg | 0.28 | ND |

Mercury (Soil/Waste) 7471B

| Analyte | DF | Units | RL | Result |
|---------|----|-------|-------|--------|
| Mercury | 1 | mg/kg | 0.097 | ND |

PAH Compounds 8270

| Analyte | DF | Units | RL | Result | | |
|------------------------|-------|-------|-----------|------------|----------|-------|
| Acenaphthene | 1 | mg/kg | 0.039 | ND | | |
| Acenaphthylene | 1 | mg/kg | 0.039 | ND | | |
| Anthracene | 1 | mg/kg | 0.039 | 0.053 | | |
| Benzo[a]anthracene | 1 | mg/kg | 0.039 | 0.15 | | |
| Benzo[a]pyrene | 1 | mg/kg | 0.039 | 0.12 | | |
| Benzo[b]fluoranthene | 1 | mg/kg | 0.039 | 0.18 | | |
| Benzo[g,h,i]perylene | 1 | mg/kg | 0.039 | 0.085 | | |
| Benzo[k]fluoranthene | 1 | mg/kg | 0.039 | 0.054 | | |
| Chrysene | 1 | mg/kg | 0.039 | 0.14 | | |
| Dibenzo[a,h]anthracene | 1 | mg/kg | 0.039 | ND | | |
| Fluoranthene | 1 | mg/kg | 0.039 | 0.30 | | |
| Fluorene | 1 | mg/kg | 0.039 | ND | | |
| Indeno[1,2,3-cd]pyrene | 1 | mg/kg | 0.039 | 0.076 | | |
| Naphthalene | 1 | mg/kg | 0.0097 | ND | | |
| Phenanthrene | 1 | mg/kg | 0.039 | 0.25 | | |
| Pyrene | 1 | mg/kg | 0.039 | 0.32 | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Terphenyl-d14 | 41.21 | 50 | 58 | 148 | 82 | |
| Phenol-d5 | 70.99 | 100 | 49 | 129 | 71 | |
| Nitrobenzene-d5 | 33.07 | 50 | 52 | 129 | 66 | |
| 2-Fluorophenol | 64.48 | 100 | 43 | 128 | 64 | |
| 2-Fluorobiphenyl | 35.20 | 50 | 58 | 125 | 70 | |
| 2,4,6-Tribromophenol | 73.40 | 100 | 54 | 145 | 73 | |

PCB 8082

| Analyte | DF | Units | RL | Result | | |
|-----------------|--------|-------|-----------|------------|----------|-------|
| Aroclor (Total) | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1016 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1221 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1232 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1242 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1248 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1254 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1260 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1262 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1268 | 1 | mg/kg | 0.029 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| TCMX-Surrogate | 118.33 | 100 | 37 | 141 | 118 | |
| TCMX-Surrogate | 97.91 | 100 | 37 | 141 | 98 | |
| DCB-Surrogate | 105.16 | 100 | 34 | 146 | 105 | |
| DCB-Surrogate | 84.62 | 100 | 34 | 146 | 85 | |

TAL Metals 6010D

| Analyte | DF | Units | RL | Result |
|----------|----|-------|------|--------|
| Aluminum | 1 | mg/kg | 230 | 9100 |
| Barium | 1 | mg/kg | 12 | 170 |
| Calcium | 1 | mg/kg | 1200 | 8900 |
| Chromium | 1 | mg/kg | 5.8 | 22 |
| Cobalt | 1 | mg/kg | 2.9 | 10 |
| Copper | 1 | mg/kg | 5.8 | 50 |
| Iron | 1 | mg/kg | 230 | 25000 |
| Lead | 1 | mg/kg | 5.8 | 190 |

Sample ID: B7 7'-8'
 Lab#: AD09023-007
 Matrix: Soil

Collection Date: 2/8/2019
 Receipt Date: 2/11/2019

| | | | | |
|-----------|---|-------|-----|------|
| Magnesium | 1 | mg/kg | 580 | 3900 |
| Manganese | 1 | mg/kg | 12 | 390 |
| Nickel | 1 | mg/kg | 5.8 | 29 |
| Potassium | 1 | mg/kg | 580 | 3300 |
| Sodium | 1 | mg/kg | 290 | ND |
| Vanadium | 1 | mg/kg | 12 | 32 |
| Zinc | 1 | mg/kg | 12 | 140 |

TAL Metals 6020B

| Analyte | DF | Units | RL | Result |
|-----------|----|-------|------|--------|
| Antimony | 1 | mg/kg | 0.93 | ND |
| Arsenic | 1 | mg/kg | 0.23 | 4.9 |
| Beryllium | 1 | mg/kg | 0.23 | 0.27 |
| Cadmium | 1 | mg/kg | 0.47 | ND |
| Selenium | 1 | mg/kg | 2.3 | ND |
| Silver | 1 | mg/kg | 0.23 | ND |
| Thallium | 1 | mg/kg | 0.47 | ND |

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|-------|-------|-----------|------------|----------|-------|
| 1,1,1-Trichloroethane | 0.962 | mg/kg | 0.0022 | ND | | |
| 1,1-Dichloroethane | 0.962 | mg/kg | 0.0022 | ND | | |
| 1,1-Dichloroethene | 0.962 | mg/kg | 0.0022 | ND | | |
| 1,2,4-Trimethylbenzene | 0.962 | mg/kg | 0.0011 | ND | | |
| 1,2-Dichlorobenzene | 0.962 | mg/kg | 0.0022 | ND | | |
| 1,2-Dichloroethane | 0.962 | mg/kg | 0.0022 | ND | | |
| 1,3,5-Trimethylbenzene | 0.962 | mg/kg | 0.0011 | ND | | |
| 1,3-Dichlorobenzene | 0.962 | mg/kg | 0.0022 | ND | | |
| 1,4-Dichlorobenzene | 0.962 | mg/kg | 0.0022 | ND | | |
| 1,4-Dioxane | 0.962 | mg/kg | 0.11 | ND | | |
| 2-Butanone | 0.962 | mg/kg | 0.0022 | ND | | |
| 4-Isopropyltoluene | 0.962 | mg/kg | 0.0011 | ND | | |
| Acetone | 0.962 | mg/kg | 0.011 | ND | | |
| Benzene | 0.962 | mg/kg | 0.0011 | ND | | |
| Carbon tetrachloride | 0.962 | mg/kg | 0.0022 | ND | | |
| Chlorobenzene | 0.962 | mg/kg | 0.0022 | ND | | |
| Chloroform | 0.962 | mg/kg | 0.0022 | ND | | |
| cis-1,2-Dichloroethene | 0.962 | mg/kg | 0.0022 | ND | | |
| Ethylbenzene | 0.962 | mg/kg | 0.0011 | ND | | |
| Isopropylbenzene | 0.962 | mg/kg | 0.0011 | ND | | |
| m&p-Xylenes | 0.962 | mg/kg | 0.0011 | ND | | |
| Methylene chloride | 0.962 | mg/kg | 0.0022 | ND | | |
| Methyl-t-butyl ether | 0.962 | mg/kg | 0.0011 | ND | | |
| Naphthalene | 0.962 | mg/kg | 0.0011 | ND | | |
| n-Butylbenzene | 0.962 | mg/kg | 0.0011 | ND | | |
| n-Propylbenzene | 0.962 | mg/kg | 0.0011 | ND | | |
| o-Xylene | 0.962 | mg/kg | 0.0011 | ND | | |
| sec-Butylbenzene | 0.962 | mg/kg | 0.0011 | ND | | |
| t-Butylbenzene | 0.962 | mg/kg | 0.0011 | ND | | |
| Tetrachloroethene | 0.962 | mg/kg | 0.0022 | ND | | |
| Toluene | 0.962 | mg/kg | 0.0011 | ND | | |
| trans-1,2-Dichloroethene | 0.962 | mg/kg | 0.0022 | ND | | |
| Trichloroethene | 0.962 | mg/kg | 0.0022 | ND | | |
| Vinyl chloride | 0.962 | mg/kg | 0.0022 | ND | | |
| Xylenes (Total) | 0.962 | mg/kg | 0.0011 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 28.58 | 30 | 68 | 122 | 95 | |
| Dibromofluoromethane | 31.11 | 30 | 63 | 140 | 104 | |
| Bromofluorobenzene | 30.48 | 30 | 64 | 129 | 102 | |
| 1,2-Dichloroethane-d4 | 30.78 | 30 | 63 | 143 | 103 | |

Sample ID: B8 5'-6'
 Lab#: AD09023-008
 Matrix: Soil

Collection Date: 2/8/2019
 Receipt Date: 2/11/2019

% Solids SM2540G

| Analyte | DF | Units | RL | Result |
|----------|----|---------|----|--------|
| % Solids | 1 | percent | | 87 |

Cyanide (Soil/Waste) 9012B

| Analyte | DF | Units | RL | Result |
|---------|----|-------|------|--------|
| Cyanide | 1 | mg/kg | 0.28 | 2.0 |

Mercury (Soil/Waste) 7471B

| Analyte | DF | Units | RL | Result |
|---------|----|-------|-------|--------|
| Mercury | 1 | mg/kg | 0.096 | ND |

PAH Compounds 8270

| Analyte | DF | Units | RL | Result | | |
|------------------------|-------|-------|-----------|------------|----------|-------|
| Acenaphthene | 1 | mg/kg | 0.038 | ND | | |
| Acenaphthylene | 1 | mg/kg | 0.038 | 0.10 | | |
| Anthracene | 1 | mg/kg | 0.038 | 0.11 | | |
| Benzo[a]anthracene | 1 | mg/kg | 0.038 | 0.47 | | |
| Benzo[a]pyrene | 1 | mg/kg | 0.038 | 0.37 | | |
| Benzo[b]fluoranthene | 1 | mg/kg | 0.038 | 0.45 | | |
| Benzo[g,h,i]perylene | 1 | mg/kg | 0.038 | 0.24 | | |
| Benzo[k]fluoranthene | 1 | mg/kg | 0.038 | 0.16 | | |
| Chrysene | 1 | mg/kg | 0.038 | 0.46 | | |
| Dibenzo[a,h]anthracene | 1 | mg/kg | 0.038 | 0.076 | | |
| Fluoranthene | 1 | mg/kg | 0.038 | 0.61 | | |
| Fluorene | 1 | mg/kg | 0.038 | ND | | |
| Indeno[1,2,3-cd]pyrene | 1 | mg/kg | 0.038 | 0.20 | | |
| Naphthalene | 1 | mg/kg | 0.0096 | 0.040 | | |
| Phenanthrene | 1 | mg/kg | 0.038 | 0.43 | | |
| Pyrene | 1 | mg/kg | 0.038 | 0.83 | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Terphenyl-d14 | 46.15 | 50 | 58 | 148 | 92 | |
| Phenol-d5 | 76.18 | 100 | 49 | 129 | 76 | |
| Nitrobenzene-d5 | 37.05 | 50 | 52 | 129 | 74 | |
| 2-Fluorophenol | 69.05 | 100 | 43 | 128 | 69 | |
| 2-Fluorobiphenyl | 37.88 | 50 | 58 | 125 | 76 | |
| 2,4,6-Tribromophenol | 85.64 | 100 | 54 | 145 | 86 | |

PCB 8082

| Analyte | DF | Units | RL | Result | | |
|-----------------|--------|-------|-----------|------------|----------|-------|
| Aroclor (Total) | 1 | mg/kg | 0.029 | 0.071 | | |
| Aroclor-1016 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1221 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1232 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1242 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1248 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1254 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1260 | 1 | mg/kg | 0.029 | 0.071 | | |
| Aroclor-1262 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1268 | 1 | mg/kg | 0.029 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| TCMX-Surrogate | 111.32 | 100 | 37 | 141 | 111 | |
| TCMX-Surrogate | 105.53 | 100 | 37 | 141 | 106 | |
| DCB-Surrogate | 132.77 | 100 | 34 | 146 | 133 | |
| DCB-Surrogate | 129.75 | 100 | 34 | 146 | 130 | |

TAL Metals 6010D

| Analyte | DF | Units | RL | Result |
|----------|----|-------|------|--------|
| Aluminum | 1 | mg/kg | 230 | 11000 |
| Barium | 1 | mg/kg | 11 | 1100 |
| Calcium | 1 | mg/kg | 1100 | 24000 |
| Chromium | 1 | mg/kg | 5.7 | 53 |
| Cobalt | 1 | mg/kg | 2.9 | 5.8 |
| Copper | 1 | mg/kg | 5.7 | 270 |
| Iron | 1 | mg/kg | 230 | 19000 |
| Lead | 1 | mg/kg | 5.7 | 910 |

Sample ID: B8 5'-6'
 Lab#: AD09023-008
 Matrix: Soil

Collection Date: 2/8/2019
 Receipt Date: 2/11/2019

| | | | | |
|-----------|---|-------|-----|------|
| Magnesium | 1 | mg/kg | 570 | 3700 |
| Manganese | 1 | mg/kg | 11 | 400 |
| Nickel | 1 | mg/kg | 5.7 | 21 |
| Potassium | 1 | mg/kg | 570 | 2400 |
| Sodium | 1 | mg/kg | 290 | ND |
| Vanadium | 1 | mg/kg | 11 | 33 |
| Zinc | 1 | mg/kg | 11 | 500 |

TAL Metals 6020B

| Analyte | DF | Units | RL | Result |
|-----------|----|-------|------|--------|
| Antimony | 1 | mg/kg | 0.92 | ND |
| Arsenic | 1 | mg/kg | 0.23 | 3.6 |
| Beryllium | 2 | mg/kg | 0.46 | ND |
| Cadmium | 1 | mg/kg | 0.46 | 2.2 |
| Selenium | 1 | mg/kg | 2.3 | ND |
| Silver | 1 | mg/kg | 0.23 | ND |
| Thallium | 1 | mg/kg | 0.46 | ND |

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|--------------|--------------|---------------|---------------|----------|-------|
| 1,1,1-Trichloroethane | 0.958 | mg/kg | 0.0022 | ND | | |
| 1,1-Dichloroethane | 0.958 | mg/kg | 0.0022 | ND | | |
| 1,1-Dichloroethene | 0.958 | mg/kg | 0.0022 | ND | | |
| 1,2,4-Trimethylbenzene | 0.958 | mg/kg | 0.0011 | ND | | |
| 1,2-Dichlorobenzene | 0.958 | mg/kg | 0.0022 | ND | | |
| 1,2-Dichloroethane | 0.958 | mg/kg | 0.0022 | ND | | |
| 1,3,5-Trimethylbenzene | 0.958 | mg/kg | 0.0011 | ND | | |
| 1,3-Dichlorobenzene | 0.958 | mg/kg | 0.0022 | ND | | |
| 1,4-Dichlorobenzene | 0.958 | mg/kg | 0.0022 | ND | | |
| 1,4-Dioxane | 0.958 | mg/kg | 0.11 | ND | | |
| 2-Butanone | 0.958 | mg/kg | 0.0022 | ND | | |
| 4-Isopropyltoluene | 0.958 | mg/kg | 0.0011 | ND | | |
| Acetone | 0.958 | mg/kg | 0.011 | ND | | |
| Benzene | 0.958 | mg/kg | 0.0011 | ND | | |
| Carbon tetrachloride | 0.958 | mg/kg | 0.0022 | ND | | |
| Chlorobenzene | 0.958 | mg/kg | 0.0022 | ND | | |
| Chloroform | 0.958 | mg/kg | 0.0022 | ND | | |
| cis-1,2-Dichloroethene | 0.958 | mg/kg | 0.0022 | ND | | |
| Ethylbenzene | 0.958 | mg/kg | 0.0011 | ND | | |
| Isopropylbenzene | 0.958 | mg/kg | 0.0011 | ND | | |
| m&p-Xylenes | 0.958 | mg/kg | 0.0011 | 0.0011 | | |
| Methylene chloride | 0.958 | mg/kg | 0.0022 | ND | | |
| Methyl-t-butyl ether | 0.958 | mg/kg | 0.0011 | ND | | |
| Naphthalene | 0.958 | mg/kg | 0.0011 | ND | | |
| n-Butylbenzene | 0.958 | mg/kg | 0.0011 | ND | | |
| n-Propylbenzene | 0.958 | mg/kg | 0.0011 | ND | | |
| o-Xylene | 0.958 | mg/kg | 0.0011 | ND | | |
| sec-Butylbenzene | 0.958 | mg/kg | 0.0011 | ND | | |
| t-Butylbenzene | 0.958 | mg/kg | 0.0011 | ND | | |
| Tetrachloroethene | 0.958 | mg/kg | 0.0022 | ND | | |
| Toluene | 0.958 | mg/kg | 0.0011 | 0.0021 | | |
| trans-1,2-Dichloroethene | 0.958 | mg/kg | 0.0022 | ND | | |
| Trichloroethene | 0.958 | mg/kg | 0.0022 | ND | | |
| Vinyl chloride | 0.958 | mg/kg | 0.0022 | ND | | |
| Xylenes (Total) | 0.958 | mg/kg | 0.0011 | 0.0011 | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 30.68 | 30 | 68 | 122 | 102 | |
| Dibromofluoromethane | 31.08 | 30 | 63 | 140 | 104 | |
| Bromofluorobenzene | 33.15 | 30 | 64 | 129 | 110 | |
| 1,2-Dichloroethane-d4 | 30.07 | 30 | 63 | 143 | 100 | |

Sample ID: B9 5'
 Lab#: AD09023-009
 Matrix: Soil

Collection Date: 2/8/2019
 Receipt Date: 2/11/2019

% Solids SM2540G

| Analyte | DF | Units | RL | Result |
|----------|----|---------|----|--------|
| % Solids | 1 | percent | | 91 |

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|--------------|--------------|--------------|--------------|----------|-------|
| 1,1,1-Trichloroethane | 0.956 | mg/kg | 0.0021 | ND | | |
| 1,1-Dichloroethane | 0.956 | mg/kg | 0.0021 | ND | | |
| 1,1-Dichloroethene | 0.956 | mg/kg | 0.0021 | ND | | |
| 1,2,4-Trimethylbenzene | 0.956 | mg/kg | 0.0011 | ND | | |
| 1,2-Dichlorobenzene | 0.956 | mg/kg | 0.0021 | ND | | |
| 1,2-Dichloroethane | 0.956 | mg/kg | 0.0021 | ND | | |
| 1,3,5-Trimethylbenzene | 0.956 | mg/kg | 0.0011 | ND | | |
| 1,3-Dichlorobenzene | 0.956 | mg/kg | 0.0021 | ND | | |
| 1,4-Dichlorobenzene | 0.956 | mg/kg | 0.0021 | ND | | |
| 1,4-Dioxane | 0.956 | mg/kg | 0.11 | ND | | |
| 2-Butanone | 0.956 | mg/kg | 0.0021 | ND | | |
| 4-Isopropyltoluene | 0.956 | mg/kg | 0.0011 | ND | | |
| Acetone | 0.956 | mg/kg | 0.011 | 0.013 | | |
| Benzene | 0.956 | mg/kg | 0.0011 | ND | | |
| Carbon tetrachloride | 0.956 | mg/kg | 0.0021 | ND | | |
| Chlorobenzene | 0.956 | mg/kg | 0.0021 | ND | | |
| Chloroform | 0.956 | mg/kg | 0.0021 | ND | | |
| cis-1,2-Dichloroethene | 0.956 | mg/kg | 0.0021 | ND | | |
| Ethylbenzene | 0.956 | mg/kg | 0.0011 | ND | | |
| Isopropylbenzene | 0.956 | mg/kg | 0.0011 | ND | | |
| m&p-Xylenes | 0.956 | mg/kg | 0.0011 | ND | | |
| Methylene chloride | 0.956 | mg/kg | 0.0021 | ND | | |
| Methyl-t-butyl ether | 0.956 | mg/kg | 0.0011 | ND | | |
| Naphthalene | 0.956 | mg/kg | 0.0011 | ND | | |
| n-Butylbenzene | 0.956 | mg/kg | 0.0011 | ND | | |
| n-Propylbenzene | 0.956 | mg/kg | 0.0011 | ND | | |
| o-Xylene | 0.956 | mg/kg | 0.0011 | ND | | |
| sec-Butylbenzene | 0.956 | mg/kg | 0.0011 | ND | | |
| t-Butylbenzene | 0.956 | mg/kg | 0.0011 | ND | | |
| Tetrachloroethene | 0.956 | mg/kg | 0.0021 | ND | | |
| Toluene | 0.956 | mg/kg | 0.0011 | ND | | |
| trans-1,2-Dichloroethene | 0.956 | mg/kg | 0.0021 | ND | | |
| Trichloroethene | 0.956 | mg/kg | 0.0021 | ND | | |
| Vinyl chloride | 0.956 | mg/kg | 0.0021 | ND | | |
| Xylenes (Total) | 0.956 | mg/kg | 0.0011 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 29.12 | 30 | 68 | 122 | 97 | |
| Dibromofluoromethane | 30.16 | 30 | 63 | 140 | 101 | |
| Bromofluorobenzene | 31.09 | 30 | 64 | 129 | 104 | |
| 1,2-Dichloroethane-d4 | 29.85 | 30 | 63 | 143 | 99 | |

Sample ID: B10 2'-3'
 Lab#: AD09023-010
 Matrix: Soil

Collection Date: 2/8/2019
 Receipt Date: 2/11/2019

% Solids SM2540G

| Analyte | DF | Units | RL | Result |
|----------|----|---------|----|--------|
| % Solids | 1 | percent | | 87 |

Cyanide (Soil/Waste) 9012B

| Analyte | DF | Units | RL | Result |
|---------|----|-------|------|--------|
| Cyanide | 1 | mg/kg | 0.28 | ND |

Mercury (Soil/Waste) 7471B

| Analyte | DF | Units | RL | Result |
|---------|----|-------|-------|--------|
| Mercury | 1 | mg/kg | 0.096 | ND |

PAH Compounds 8270

| Analyte | DF | Units | RL | Result | | |
|-----------------------------|----------|--------------|--------------|--------------|----------|-------|
| Acenaphthene | 1 | mg/kg | 0.038 | ND | | |
| Acenaphthylene | 1 | mg/kg | 0.038 | ND | | |
| Anthracene | 1 | mg/kg | 0.038 | ND | | |
| Benzo[a]anthracene | 1 | mg/kg | 0.038 | 0.050 | | |
| Benzo[a]pyrene | 1 | mg/kg | 0.038 | 0.045 | | |
| Benzo[b]fluoranthene | 1 | mg/kg | 0.038 | 0.058 | | |
| Benzo[g,h,i]perylene | 1 | mg/kg | 0.038 | ND | | |
| Benzo[k]fluoranthene | 1 | mg/kg | 0.038 | ND | | |
| Chrysene | 1 | mg/kg | 0.038 | 0.048 | | |
| Dibenzo[a,h]anthracene | 1 | mg/kg | 0.038 | ND | | |
| Fluoranthene | 1 | mg/kg | 0.038 | 0.086 | | |
| Fluorene | 1 | mg/kg | 0.038 | ND | | |
| Indeno[1,2,3-cd]pyrene | 1 | mg/kg | 0.038 | ND | | |
| Naphthalene | 1 | mg/kg | 0.0096 | ND | | |
| Phenanthrene | 1 | mg/kg | 0.038 | 0.072 | | |
| Pyrene | 1 | mg/kg | 0.038 | 0.10 | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Terphenyl-d14 | 44.94 | 50 | 58 | 148 | 90 | |
| Phenol-d5 | 76.79 | 100 | 49 | 129 | 77 | |
| Nitrobenzene-d5 | 36.41 | 50 | 52 | 129 | 73 | |
| 2-Fluorophenol | 73.00 | 100 | 43 | 128 | 73 | |
| 2-Fluorobiphenyl | 37.23 | 50 | 58 | 125 | 74 | |
| 2,4,6-Tribromophenol | 84.40 | 100 | 54 | 145 | 84 | |

PCB 8082

| Analyte | DF | Units | RL | Result | | |
|-----------------|--------|-------|-----------|------------|----------|-------|
| Aroclor (Total) | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1016 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1221 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1232 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1242 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1248 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1254 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1260 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1262 | 1 | mg/kg | 0.029 | ND | | |
| Aroclor-1268 | 1 | mg/kg | 0.029 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| TCMX-Surrogate | 109.98 | 100 | 37 | 141 | 110 | |
| TCMX-Surrogate | 93.62 | 100 | 37 | 141 | 94 | |
| DCB-Surrogate | 99.87 | 100 | 34 | 146 | 100 | |
| DCB-Surrogate | 81.09 | 100 | 34 | 146 | 81 | |

TAL Metals 6010D

| Analyte | DF | Units | RL | Result |
|----------|----|-------|------|--------|
| Aluminum | 1 | mg/kg | 230 | 18000 |
| Barium | 1 | mg/kg | 11 | 42 |
| Calcium | 1 | mg/kg | 1100 | 1700 |
| Chromium | 1 | mg/kg | 5.7 | 30 |
| Cobalt | 1 | mg/kg | 2.9 | 8.9 |
| Copper | 1 | mg/kg | 5.7 | 17 |
| Iron | 1 | mg/kg | 230 | 24000 |
| Lead | 1 | mg/kg | 5.7 | 21 |

Sample ID: B10 2'-3'
 Lab#: AD09023-010
 Matrix: Soil

Collection Date: 2/8/2019
 Receipt Date: 2/11/2019

| | | | | |
|-----------|---|-------|-----|------|
| Magnesium | 1 | mg/kg | 570 | 3400 |
| Manganese | 1 | mg/kg | 11 | 210 |
| Nickel | 1 | mg/kg | 5.7 | 18 |
| Potassium | 1 | mg/kg | 570 | 960 |
| Sodium | 1 | mg/kg | 290 | ND |
| Vanadium | 1 | mg/kg | 11 | 34 |
| Zinc | 1 | mg/kg | 11 | 73 |

TAL Metals 6020B

| Analyte | DF | Units | RL | Result |
|-----------|----|-------|------|--------|
| Antimony | 1 | mg/kg | 0.92 | ND |
| Arsenic | 1 | mg/kg | 0.23 | 5.7 |
| Beryllium | 4 | mg/kg | 0.92 | ND |
| Cadmium | 1 | mg/kg | 0.46 | ND |
| Selenium | 1 | mg/kg | 2.3 | ND |
| Silver | 1 | mg/kg | 0.23 | ND |
| Thallium | 1 | mg/kg | 0.46 | ND |

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|-------|-------|-----------|------------|----------|-------|
| 1,1,1-Trichloroethane | 0.998 | mg/kg | 0.0023 | ND | | |
| 1,1-Dichloroethane | 0.998 | mg/kg | 0.0023 | ND | | |
| 1,1-Dichloroethene | 0.998 | mg/kg | 0.0023 | ND | | |
| 1,2,4-Trimethylbenzene | 0.998 | mg/kg | 0.0011 | ND | | |
| 1,2-Dichlorobenzene | 0.998 | mg/kg | 0.0023 | ND | | |
| 1,2-Dichloroethane | 0.998 | mg/kg | 0.0023 | ND | | |
| 1,3,5-Trimethylbenzene | 0.998 | mg/kg | 0.0011 | ND | | |
| 1,3-Dichlorobenzene | 0.998 | mg/kg | 0.0023 | ND | | |
| 1,4-Dichlorobenzene | 0.998 | mg/kg | 0.0023 | ND | | |
| 1,4-Dioxane | 0.998 | mg/kg | 0.11 | ND | | |
| 2-Butanone | 0.998 | mg/kg | 0.0023 | ND | | |
| 4-Isopropyltoluene | 0.998 | mg/kg | 0.0011 | ND | | |
| Acetone | 0.998 | mg/kg | 0.011 | ND | | |
| Benzene | 0.998 | mg/kg | 0.0011 | ND | | |
| Carbon tetrachloride | 0.998 | mg/kg | 0.0023 | ND | | |
| Chlorobenzene | 0.998 | mg/kg | 0.0023 | ND | | |
| Chloroform | 0.998 | mg/kg | 0.0023 | ND | | |
| cis-1,2-Dichloroethene | 0.998 | mg/kg | 0.0023 | ND | | |
| Ethylbenzene | 0.998 | mg/kg | 0.0011 | ND | | |
| Isopropylbenzene | 0.998 | mg/kg | 0.0011 | ND | | |
| m&p-Xylenes | 0.998 | mg/kg | 0.0011 | ND | | |
| Methylene chloride | 0.998 | mg/kg | 0.0023 | ND | | |
| Methyl-t-butyl ether | 0.998 | mg/kg | 0.0011 | ND | | |
| Naphthalene | 0.998 | mg/kg | 0.0011 | ND | | |
| n-Butylbenzene | 0.998 | mg/kg | 0.0011 | ND | | |
| n-Propylbenzene | 0.998 | mg/kg | 0.0011 | ND | | |
| o-Xylene | 0.998 | mg/kg | 0.0011 | ND | | |
| sec-Butylbenzene | 0.998 | mg/kg | 0.0011 | ND | | |
| t-Butylbenzene | 0.998 | mg/kg | 0.0011 | ND | | |
| Tetrachloroethene | 0.998 | mg/kg | 0.0023 | ND | | |
| Toluene | 0.998 | mg/kg | 0.0011 | ND | | |
| trans-1,2-Dichloroethene | 0.998 | mg/kg | 0.0023 | ND | | |
| Trichloroethene | 0.998 | mg/kg | 0.0023 | ND | | |
| Vinyl chloride | 0.998 | mg/kg | 0.0023 | ND | | |
| Xylenes (Total) | 0.998 | mg/kg | 0.0011 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 28.95 | 30 | 68 | 122 | 96 | |
| Dibromofluoromethane | 30.40 | 30 | 63 | 140 | 101 | |
| Bromofluorobenzene | 30.25 | 30 | 64 | 129 | 101 | |
| 1,2-Dichloroethane-d4 | 30.62 | 30 | 63 | 143 | 102 | |

Sample ID: MWA
 Lab#: AD09023-011
 Matrix: Aqueous

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|-------|-------|-----------|------------|----------|-------|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| 1,2,4-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND | | |
| 1,3,5-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dioxane | 1 | ug/l | 50 | ND | | |
| 2-Butanone | 1 | ug/l | 1.0 | ND | | |
| 4-Isopropyltoluene | 1 | ug/l | 1.0 | ND | | |
| Acetone | 1 | ug/l | 5.0 | ND | | |
| Benzene | 1 | ug/l | 0.50 | ND | | |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND | | |
| Chlorobenzene | 1 | ug/l | 1.0 | ND | | |
| Chloroform | 1 | ug/l | 1.0 | ND | | |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Ethylbenzene | 1 | ug/l | 1.0 | ND | | |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND | | |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND | | |
| Methylene chloride | 1 | ug/l | 1.0 | ND | | |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND | | |
| Naphthalene | 1 | ug/l | 1.0 | ND | | |
| n-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| n-Propylbenzene | 1 | ug/l | 1.0 | ND | | |
| o-Xylene | 1 | ug/l | 1.0 | ND | | |
| sec-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| t-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND | | |
| Toluene | 1 | ug/l | 1.0 | ND | | |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Trichloroethene | 1 | ug/l | 1.0 | ND | | |
| Vinyl chloride | 1 | ug/l | 1.0 | ND | | |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 31.07 | 30 | 79 | 111 | 104 | |
| Dibromofluoromethane | 28.38 | 30 | 73 | 131 | 95 | |
| Bromofluorobenzene | 30.71 | 30 | 82 | 112 | 102 | |
| 1,2-Dichloroethane-d4 | 28.16 | 30 | 78 | 128 | 94 | |

Sample ID: B1GW
 Lab#: AD09023-012
 Matrix: Aqueous

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|-------|-------|-----------|------------|----------|-------|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| 1,2,4-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND | | |
| 1,3,5-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dioxane | 1 | ug/l | 50 | ND | | |
| 2-Butanone | 1 | ug/l | 1.0 | ND | | |
| 4-Isopropyltoluene | 1 | ug/l | 1.0 | ND | | |
| Acetone | 1 | ug/l | 5.0 | ND | | |
| Benzene | 1 | ug/l | 0.50 | ND | | |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND | | |
| Chlorobenzene | 1 | ug/l | 1.0 | ND | | |
| Chloroform | 1 | ug/l | 1.0 | ND | | |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Ethylbenzene | 1 | ug/l | 1.0 | ND | | |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND | | |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND | | |
| Methylene chloride | 1 | ug/l | 1.0 | ND | | |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND | | |
| Naphthalene | 1 | ug/l | 1.0 | ND | | |
| n-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| n-Propylbenzene | 1 | ug/l | 1.0 | ND | | |
| o-Xylene | 1 | ug/l | 1.0 | ND | | |
| sec-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| t-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND | | |
| Toluene | 1 | ug/l | 1.0 | ND | | |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Trichloroethene | 1 | ug/l | 1.0 | ND | | |
| Vinyl chloride | 1 | ug/l | 1.0 | ND | | |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 31.24 | 30 | 79 | 111 | 104 | |
| Dibromofluoromethane | 31.18 | 30 | 73 | 131 | 104 | |
| Bromofluorobenzene | 29.12 | 30 | 82 | 112 | 97 | |
| 1,2-Dichloroethane-d4 | 29.69 | 30 | 78 | 128 | 99 | |

Sample ID: B2GW
 Lab#: AD09023-013
 Matrix: Aqueous

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

PAH Compounds 8270

| Analyte | DF | Units | RL | Result | | |
|------------------------|----------|-------------|-------------|------------|----------|-------|
| Acenaphthene | 1 | ug/l | 2.0 | ND | | |
| Acenaphthylene | 1 | ug/l | 2.0 | ND | | |
| Anthracene | 1 | ug/l | 2.0 | ND | | |
| Benzo[a]anthracene | 1 | ug/l | 2.0 | ND | | |
| Benzo[a]pyrene | 1 | ug/l | 2.0 | ND | | |
| Benzo[b]fluoranthene | 1 | ug/l | 2.0 | ND | | |
| Benzo[g,h,i]perylene | 1 | ug/l | 2.0 | ND | | |
| Benzo[k]fluoranthene | 1 | ug/l | 2.0 | ND | | |
| Chrysene | 1 | ug/l | 2.0 | ND | | |
| Dibenzo[a,h]anthracene | 1 | ug/l | 2.0 | ND | | |
| Fluoranthene | 1 | ug/l | 2.0 | ND | | |
| Fluorene | 1 | ug/l | 2.0 | ND | | |
| Indeno[1,2,3-cd]pyrene | 1 | ug/l | 2.0 | ND | | |
| Naphthalene | 1 | ug/l | 0.50 | 4.3 | | |
| Phenanthrene | 1 | ug/l | 2.0 | ND | | |
| Pyrene | 1 | ug/l | 2.0 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Terphenyl-d14 | 60.34 | 50 | 55 | 146 | 121 | |
| Phenol-d5 | 0.00 | 100 | 27 | 115 | 0 | |
| Nitrobenzene-d5 | 56.53 | 50 | 51 | 139 | 113 | |
| 2-Fluorophenol | 0.00 | 100 | 29 | 113 | 0 | |
| 2-Fluorobiphenyl | 48.14 | 50 | 53 | 129 | 96 | |
| 2,4,6-Tribromophenol | 0.00 | 100 | 54 | 149 | 0 | |

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|-------------------------------|----------|-------------|-------------|------------|--|--|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| 1,2,4-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND | | |
| 1,3,5-Trimethylbenzene | 1 | ug/l | 1.0 | 1.9 | | |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dioxane | 1 | ug/l | 50 | ND | | |
| 2-Butanone | 1 | ug/l | 1.0 | ND | | |
| 4-Isopropyltoluene | 1 | ug/l | 1.0 | ND | | |
| Acetone | 1 | ug/l | 5.0 | ND | | |
| Benzene | 1 | ug/l | 0.50 | 2.7 | | |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND | | |
| Chlorobenzene | 1 | ug/l | 1.0 | 1.8 | | |
| Chloroform | 1 | ug/l | 1.0 | ND | | |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Ethylbenzene | 1 | ug/l | 1.0 | 2.9 | | |
| Isopropylbenzene | 1 | ug/l | 1.0 | 28 | | |
| m&p-Xylenes | 1 | ug/l | 1.0 | 8.3 | | |
| Methylene chloride | 1 | ug/l | 1.0 | ND | | |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND | | |
| Naphthalene | 1 | ug/l | 1.0 | 9.3 | | |
| n-Butylbenzene | 1 | ug/l | 1.0 | 16 | | |
| n-Propylbenzene | 1 | ug/l | 1.0 | 47 | | |
| o-Xylene | 1 | ug/l | 1.0 | 2.5 | | |
| sec-Butylbenzene | 1 | ug/l | 1.0 | 5.7 | | |
| t-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| Tetrachloroethene | 1 | ug/l | 1.0 | 2.5 | | |
| Toluene | 1 | ug/l | 1.0 | 2.4 | | |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Trichloroethene | 1 | ug/l | 1.0 | ND | | |
| Vinyl chloride | 1 | ug/l | 1.0 | ND | | |
| Xylenes (Total) | 1 | ug/l | 1.0 | 11 | | |

Sample ID: B2GW
Lab#: AD09023-013
Matrix: Aqueous

Collection Date: 2/7/2019
Receipt Date: 2/11/2019

| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
|-----------------------|-------|-------|-----------|------------|----------|-------|
| Toluene-d8 | 31.30 | 30 | 79 | 111 | 104 | |
| Dibromofluoromethane | 27.68 | 30 | 73 | 131 | 92 | |
| Bromofluorobenzene | 29.12 | 30 | 82 | 112 | 97 | |
| 1,2-Dichloroethane-d4 | 29.89 | 30 | 78 | 128 | 100 | |

Sample ID: B3GW
 Lab#: AD09023-014
 Matrix: Aqueous

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

PAH Compounds 8270

| Analyte | DF | Units | RL | Result | | |
|------------------------|-------|-------|-----------|------------|----------|-------|
| Acenaphthene | 1 | ug/l | 2.0 | 2.5 | | |
| Acenaphthylene | 1 | ug/l | 2.0 | ND | | |
| Anthracene | 1 | ug/l | 2.0 | ND | | |
| Benzo[a]anthracene | 1 | ug/l | 2.0 | ND | | |
| Benzo[a]pyrene | 1 | ug/l | 2.0 | ND | | |
| Benzo[b]fluoranthene | 1 | ug/l | 2.0 | ND | | |
| Benzo[g,h,i]perylene | 1 | ug/l | 2.0 | ND | | |
| Benzo[k]fluoranthene | 1 | ug/l | 2.0 | ND | | |
| Chrysene | 1 | ug/l | 2.0 | ND | | |
| Dibenzo[a,h]anthracene | 1 | ug/l | 2.0 | ND | | |
| Fluoranthene | 1 | ug/l | 2.0 | 5.1 | | |
| Fluorene | 1 | ug/l | 2.0 | 5.1 | | |
| Indeno[1,2,3-cd]pyrene | 1 | ug/l | 2.0 | ND | | |
| Naphthalene | 1 | ug/l | 0.50 | 12 | | |
| Phenanthrene | 1 | ug/l | 2.0 | 6.0 | | |
| Pyrene | 1 | ug/l | 2.0 | 4.5 | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Terphenyl-d14 | 57.79 | 50 | 55 | 146 | 116 | |
| Phenol-d5 | 1.15 | 100 | 27 | 115 | 1 | |
| Nitrobenzene-d5 | 51.07 | 50 | 51 | 139 | 102 | |
| 2-Fluorophenol | 0.00 | 100 | 29 | 113 | 0 | |
| 2-Fluorobiphenyl | 45.91 | 50 | 53 | 129 | 92 | |
| 2,4,6-Tribromophenol | 0.00 | 100 | 54 | 149 | 0 | |

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|-------------------------------|----------|-------------|------------|------------|--|--|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| 1,2,4-Trimethylbenzene | 1 | ug/l | 1.0 | 5.7 | | |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND | | |
| 1,3,5-Trimethylbenzene | 1 | ug/l | 1.0 | 1.8 | | |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dioxane | 1 | ug/l | 50 | ND | | |
| 2-Butanone | 1 | ug/l | 1.0 | ND | | |
| 4-Isopropyltoluene | 1 | ug/l | 1.0 | ND | | |
| Acetone | 1 | ug/l | 5.0 | ND | | |
| Benzene | 1 | ug/l | 0.50 | ND | | |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND | | |
| Chlorobenzene | 1 | ug/l | 1.0 | ND | | |
| Chloroform | 1 | ug/l | 1.0 | ND | | |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Ethylbenzene | 1 | ug/l | 1.0 | 2.7 | | |
| Isopropylbenzene | 1 | ug/l | 1.0 | 8.3 | | |
| m&p-Xylenes | 1 | ug/l | 1.0 | 9.3 | | |
| Methylene chloride | 1 | ug/l | 1.0 | ND | | |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND | | |
| Naphthalene | 1 | ug/l | 1.0 | 10 | | |
| n-Butylbenzene | 1 | ug/l | 1.0 | 12 | | |
| n-Propylbenzene | 1 | ug/l | 1.0 | 24 | | |
| o-Xylene | 1 | ug/l | 1.0 | 1.7 | | |
| sec-Butylbenzene | 1 | ug/l | 1.0 | 32 | | |
| t-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND | | |
| Toluene | 1 | ug/l | 1.0 | ND | | |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Trichloroethene | 1 | ug/l | 1.0 | ND | | |
| Vinyl chloride | 1 | ug/l | 1.0 | ND | | |
| Xylenes (Total) | 1 | ug/l | 1.0 | 11 | | |

Sample ID: B3GW
Lab#: AD09023-014
Matrix: Aqueous

Collection Date: 2/7/2019
Receipt Date: 2/11/2019

| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
|-----------------------|-------|-------|-----------|------------|----------|-------|
| Toluene-d8 | 31.34 | 30 | 79 | 111 | 104 | |
| Dibromofluoromethane | 28.56 | 30 | 73 | 131 | 95 | |
| Bromofluorobenzene | 29.96 | 30 | 82 | 112 | 100 | |
| 1,2-Dichloroethane-d4 | 29.68 | 30 | 78 | 128 | 99 | |

Sample ID: B4GW
 Lab#: AD09023-015
 Matrix: Aqueous

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

PAH Compounds 8270

| Analyte | DF | Units | RL | Result | | |
|------------------------|-------|-------|-----------|------------|----------|-------|
| Acenaphthene | 1 | ug/l | 2.0 | ND | | |
| Acenaphthylene | 1 | ug/l | 2.0 | ND | | |
| Anthracene | 1 | ug/l | 2.0 | ND | | |
| Benzo[a]anthracene | 1 | ug/l | 2.0 | ND | | |
| Benzo[a]pyrene | 1 | ug/l | 2.0 | ND | | |
| Benzo[b]fluoranthene | 1 | ug/l | 2.0 | ND | | |
| Benzo[g,h,i]perylene | 1 | ug/l | 2.0 | ND | | |
| Benzo[k]fluoranthene | 1 | ug/l | 2.0 | ND | | |
| Chrysene | 1 | ug/l | 2.0 | ND | | |
| Dibenzo[a,h]anthracene | 1 | ug/l | 2.0 | ND | | |
| Fluoranthene | 1 | ug/l | 2.0 | ND | | |
| Fluorene | 1 | ug/l | 2.0 | ND | | |
| Indeno[1,2,3-cd]pyrene | 1 | ug/l | 2.0 | ND | | |
| Naphthalene | 1 | ug/l | 0.50 | ND | | |
| Phenanthrene | 1 | ug/l | 2.0 | ND | | |
| Pyrene | 1 | ug/l | 2.0 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Terphenyl-d14 | 54.67 | 50 | 55 | 146 | 109 | |
| Phenol-d5 | 0.00 | 100 | 27 | 115 | 0 | |
| Nitrobenzene-d5 | 32.68 | 50 | 51 | 139 | 65 | |
| 2-Fluorophenol | 0.00 | 100 | 29 | 113 | 0 | |
| 2-Fluorobiphenyl | 37.16 | 50 | 53 | 129 | 74 | |
| 2,4,6-Tribromophenol | 0.00 | 100 | 54 | 149 | 0 | |

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|----------------------------|----------|-------------|------------|------------|--|--|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| 1,2,4-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND | | |
| 1,3,5-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | 4.7 | | |
| 1,4-Dioxane | 1 | ug/l | 50 | ND | | |
| 2-Butanone | 1 | ug/l | 1.0 | ND | | |
| 4-Isopropyltoluene | 1 | ug/l | 1.0 | ND | | |
| Acetone | 1 | ug/l | 5.0 | ND | | |
| Benzene | 1 | ug/l | 0.50 | ND | | |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND | | |
| Chlorobenzene | 1 | ug/l | 1.0 | ND | | |
| Chloroform | 1 | ug/l | 1.0 | ND | | |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Ethylbenzene | 1 | ug/l | 1.0 | ND | | |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND | | |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND | | |
| Methylene chloride | 1 | ug/l | 1.0 | ND | | |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND | | |
| Naphthalene | 1 | ug/l | 1.0 | ND | | |
| n-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| n-Propylbenzene | 1 | ug/l | 1.0 | ND | | |
| o-Xylene | 1 | ug/l | 1.0 | ND | | |
| sec-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| t-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| Tetrachloroethene | 1 | ug/l | 1.0 | 6.0 | | |
| Toluene | 1 | ug/l | 1.0 | ND | | |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Trichloroethene | 1 | ug/l | 1.0 | ND | | |
| Vinyl chloride | 1 | ug/l | 1.0 | ND | | |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND | | |

Sample ID: B4GW
Lab#: AD09023-015
Matrix: Aqueous

Collection Date: 2/7/2019
Receipt Date: 2/11/2019

| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
|-----------------------|-------|-------|-----------|------------|----------|-------|
| Toluene-d8 | 30.31 | 30 | 79 | 111 | 101 | |
| Dibromofluoromethane | 28.71 | 30 | 73 | 131 | 96 | |
| Bromofluorobenzene | 29.59 | 30 | 82 | 112 | 99 | |
| 1,2-Dichloroethane-d4 | 30.04 | 30 | 78 | 128 | 100 | |

Sample ID: B5GW
 Lab#: AD09023-016
 Matrix: Aqueous

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|-------|-------|-----------|------------|----------|-------|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| 1,2,4-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND | | |
| 1,3,5-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dioxane | 1 | ug/l | 50 | ND | | |
| 2-Butanone | 1 | ug/l | 1.0 | ND | | |
| 4-Isopropyltoluene | 1 | ug/l | 1.0 | ND | | |
| Acetone | 1 | ug/l | 5.0 | ND | | |
| Benzene | 1 | ug/l | 0.50 | ND | | |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND | | |
| Chlorobenzene | 1 | ug/l | 1.0 | ND | | |
| Chloroform | 1 | ug/l | 1.0 | ND | | |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Ethylbenzene | 1 | ug/l | 1.0 | ND | | |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND | | |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND | | |
| Methylene chloride | 1 | ug/l | 1.0 | ND | | |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND | | |
| Naphthalene | 1 | ug/l | 1.0 | ND | | |
| n-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| n-Propylbenzene | 1 | ug/l | 1.0 | ND | | |
| o-Xylene | 1 | ug/l | 1.0 | ND | | |
| sec-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| t-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND | | |
| Toluene | 1 | ug/l | 1.0 | ND | | |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Trichloroethene | 1 | ug/l | 1.0 | ND | | |
| Vinyl chloride | 1 | ug/l | 1.0 | ND | | |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 30.73 | 30 | 79 | 111 | 102 | |
| Dibromofluoromethane | 31.78 | 30 | 73 | 131 | 106 | |
| Bromofluorobenzene | 29.80 | 30 | 82 | 112 | 99 | |
| 1,2-Dichloroethane-d4 | 31.43 | 30 | 78 | 128 | 105 | |

Sample ID: B6GW
 Lab#: AD09023-017
 Matrix: Aqueous

Collection Date: 2/7/2019
 Receipt Date: 2/11/2019

PAH Compounds 8270

| Analyte | DF | Units | RL | Result | | |
|------------------------|-------|-------|-----------|------------|----------|-------|
| Acenaphthene | 1 | ug/l | 2.0 | 3.5 | | |
| Acenaphthylene | 1 | ug/l | 2.0 | ND | | |
| Anthracene | 1 | ug/l | 2.0 | 6.5 | | |
| Benzo[a]anthracene | 1 | ug/l | 2.0 | 26 | | |
| Benzo[a]pyrene | 1 | ug/l | 2.0 | 18 | | |
| Benzo[b]fluoranthene | 1 | ug/l | 2.0 | 21 | | |
| Benzo[g,h,i]perylene | 1 | ug/l | 2.0 | 12 | | |
| Benzo[k]fluoranthene | 1 | ug/l | 2.0 | 8.3 | | |
| Chrysene | 1 | ug/l | 2.0 | 23 | | |
| Dibenzo[a,h]anthracene | 1 | ug/l | 2.0 | 3.4 | | |
| Fluoranthene | 1 | ug/l | 2.0 | 36 | | |
| Fluorene | 1 | ug/l | 2.0 | 2.7 | | |
| Indeno[1,2,3-cd]pyrene | 1 | ug/l | 2.0 | 9.4 | | |
| Naphthalene | 1 | ug/l | 0.50 | 1.1 | | |
| Phenanthrene | 1 | ug/l | 2.0 | 33 | | |
| Pyrene | 1 | ug/l | 2.0 | 56 | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Terphenyl-d14 | 56.27 | 50 | 55 | 146 | 113 | |
| Phenol-d5 | 0.00 | 100 | 27 | 115 | 0 | |
| Nitrobenzene-d5 | 41.55 | 50 | 51 | 139 | 83 | |
| 2-Fluorophenol | 0.00 | 100 | 29 | 113 | 0 | |
| 2-Fluorobiphenyl | 42.13 | 50 | 53 | 129 | 84 | |
| 2,4,6-Tribromophenol | 0.00 | 100 | 54 | 149 | 0 | |

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|----------|-------------|------------|------------|--|--|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| 1,2,4-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND | | |
| 1,3,5-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dioxane | 1 | ug/l | 50 | ND | | |
| 2-Butanone | 1 | ug/l | 1.0 | ND | | |
| 4-Isopropyltoluene | 1 | ug/l | 1.0 | ND | | |
| Acetone | 1 | ug/l | 5.0 | ND | | |
| Benzene | 1 | ug/l | 0.50 | ND | | |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND | | |
| Chlorobenzene | 1 | ug/l | 1.0 | ND | | |
| Chloroform | 1 | ug/l | 1.0 | ND | | |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Ethylbenzene | 1 | ug/l | 1.0 | ND | | |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND | | |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND | | |
| Methylene chloride | 1 | ug/l | 1.0 | ND | | |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND | | |
| Naphthalene | 1 | ug/l | 1.0 | 1.3 | | |
| n-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| n-Propylbenzene | 1 | ug/l | 1.0 | ND | | |
| o-Xylene | 1 | ug/l | 1.0 | ND | | |
| sec-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| t-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| Tetrachloroethene | 1 | ug/l | 1.0 | 2.2 | | |
| Toluene | 1 | ug/l | 1.0 | ND | | |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Trichloroethene | 1 | ug/l | 1.0 | ND | | |
| Vinyl chloride | 1 | ug/l | 1.0 | ND | | |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND | | |

Sample ID: B6GW
Lab#: AD09023-017
Matrix: Aqueous

Collection Date: 2/7/2019
Receipt Date: 2/11/2019

| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
|-----------------------|-------|-------|-----------|------------|----------|-------|
| Toluene-d8 | 31.75 | 30 | 79 | 111 | 106 | |
| Dibromofluoromethane | 28.78 | 30 | 73 | 131 | 96 | |
| Bromofluorobenzene | 30.07 | 30 | 82 | 112 | 100 | |
| 1,2-Dichloroethane-d4 | 30.41 | 30 | 78 | 128 | 101 | |

Sample ID: B7GW
 Lab#: AD09023-018
 Matrix: Aqueous

Collection Date: 2/8/2019
 Receipt Date: 2/11/2019

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|-------|-------|-----------|------------|----------|-------|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| 1,2,4-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND | | |
| 1,3,5-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dioxane | 1 | ug/l | 50 | ND | | |
| 2-Butanone | 1 | ug/l | 1.0 | ND | | |
| 4-Isopropyltoluene | 1 | ug/l | 1.0 | ND | | |
| Acetone | 1 | ug/l | 5.0 | ND | | |
| Benzene | 1 | ug/l | 0.50 | ND | | |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND | | |
| Chlorobenzene | 1 | ug/l | 1.0 | ND | | |
| Chloroform | 1 | ug/l | 1.0 | ND | | |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Ethylbenzene | 1 | ug/l | 1.0 | ND | | |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND | | |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND | | |
| Methylene chloride | 1 | ug/l | 1.0 | ND | | |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND | | |
| Naphthalene | 1 | ug/l | 1.0 | ND | | |
| n-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| n-Propylbenzene | 1 | ug/l | 1.0 | ND | | |
| o-Xylene | 1 | ug/l | 1.0 | ND | | |
| sec-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| t-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND | | |
| Toluene | 1 | ug/l | 1.0 | ND | | |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Trichloroethene | 1 | ug/l | 1.0 | ND | | |
| Vinyl chloride | 1 | ug/l | 1.0 | ND | | |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 31.02 | 30 | 79 | 111 | 103 | |
| Dibromofluoromethane | 28.78 | 30 | 73 | 131 | 96 | |
| Bromofluorobenzene | 29.34 | 30 | 82 | 112 | 98 | |
| 1,2-Dichloroethane-d4 | 29.21 | 30 | 78 | 128 | 97 | |

Sample ID: B8GW
 Lab#: AD09023-019
 Matrix: Aqueous

Collection Date: 2/8/2019
 Receipt Date: 2/11/2019

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|----------|-------------|------------|------------|----------|-------|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| 1,2,4-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND | | |
| 1,3,5-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dioxane | 1 | ug/l | 50 | ND | | |
| 2-Butanone | 1 | ug/l | 1.0 | ND | | |
| 4-Isopropyltoluene | 1 | ug/l | 1.0 | ND | | |
| Acetone | 1 | ug/l | 5.0 | ND | | |
| Benzene | 1 | ug/l | 0.50 | ND | | |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND | | |
| Chlorobenzene | 1 | ug/l | 1.0 | ND | | |
| Chloroform | 1 | ug/l | 1.0 | ND | | |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Ethylbenzene | 1 | ug/l | 1.0 | ND | | |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND | | |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND | | |
| Methylene chloride | 1 | ug/l | 1.0 | ND | | |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND | | |
| Naphthalene | 1 | ug/l | 1.0 | 11 | | |
| n-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| n-Propylbenzene | 1 | ug/l | 1.0 | ND | | |
| o-Xylene | 1 | ug/l | 1.0 | ND | | |
| sec-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| t-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| Tetrachloroethene | 1 | ug/l | 1.0 | ND | | |
| Toluene | 1 | ug/l | 1.0 | ND | | |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Trichloroethene | 1 | ug/l | 1.0 | ND | | |
| Vinyl chloride | 1 | ug/l | 1.0 | ND | | |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 31.71 | 30 | 79 | 111 | 106 | |
| Dibromofluoromethane | 30.77 | 30 | 73 | 131 | 103 | |
| Bromofluorobenzene | 29.96 | 30 | 82 | 112 | 100 | |
| 1,2-Dichloroethane-d4 | 30.64 | 30 | 78 | 128 | 102 | |

Sample ID: B9GW
 Lab#: AD09023-020
 Matrix: Aqueous

Collection Date: 2/8/2019
 Receipt Date: 2/11/2019

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|----------|-------------|------------|------------|----------|-------|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| 1,2,4-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND | | |
| 1,3,5-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dioxane | 1 | ug/l | 50 | ND | | |
| 2-Butanone | 1 | ug/l | 1.0 | ND | | |
| 4-Isopropyltoluene | 1 | ug/l | 1.0 | ND | | |
| Acetone | 1 | ug/l | 5.0 | ND | | |
| Benzene | 1 | ug/l | 0.50 | ND | | |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND | | |
| Chlorobenzene | 1 | ug/l | 1.0 | ND | | |
| Chloroform | 1 | ug/l | 1.0 | ND | | |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Ethylbenzene | 1 | ug/l | 1.0 | ND | | |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND | | |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND | | |
| Methylene chloride | 1 | ug/l | 1.0 | ND | | |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND | | |
| Naphthalene | 1 | ug/l | 1.0 | ND | | |
| n-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| n-Propylbenzene | 1 | ug/l | 1.0 | ND | | |
| o-Xylene | 1 | ug/l | 1.0 | ND | | |
| sec-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| t-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| Tetrachloroethene | 1 | ug/l | 1.0 | 4.1 | | |
| Toluene | 1 | ug/l | 1.0 | ND | | |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Trichloroethene | 1 | ug/l | 1.0 | ND | | |
| Vinyl chloride | 1 | ug/l | 1.0 | ND | | |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 32.13 | 30 | 79 | 111 | 107 | |
| Dibromofluoromethane | 29.86 | 30 | 73 | 131 | 100 | |
| Bromofluorobenzene | 30.29 | 30 | 82 | 112 | 101 | |
| 1,2-Dichloroethane-d4 | 29.33 | 30 | 78 | 128 | 98 | |

Sample ID: B10GW
 Lab#: AD09023-021
 Matrix: Aqueous

Collection Date: 2/8/2019
 Receipt Date: 2/11/2019

Volatile Organics (no search) 8260

| Analyte | DF | Units | RL | Result | | |
|--------------------------|----------|-------------|------------|------------|----------|-------|
| 1,1,1-Trichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethane | 1 | ug/l | 1.0 | ND | | |
| 1,1-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| 1,2,4-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,2-Dichloroethane | 1 | ug/l | 0.50 | ND | | |
| 1,3,5-Trimethylbenzene | 1 | ug/l | 1.0 | ND | | |
| 1,3-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dichlorobenzene | 1 | ug/l | 1.0 | ND | | |
| 1,4-Dioxane | 1 | ug/l | 50 | ND | | |
| 2-Butanone | 1 | ug/l | 1.0 | ND | | |
| 4-Isopropyltoluene | 1 | ug/l | 1.0 | ND | | |
| Acetone | 1 | ug/l | 5.0 | ND | | |
| Benzene | 1 | ug/l | 0.50 | ND | | |
| Carbon tetrachloride | 1 | ug/l | 1.0 | ND | | |
| Chlorobenzene | 1 | ug/l | 1.0 | ND | | |
| Chloroform | 1 | ug/l | 1.0 | ND | | |
| cis-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Ethylbenzene | 1 | ug/l | 1.0 | ND | | |
| Isopropylbenzene | 1 | ug/l | 1.0 | ND | | |
| m&p-Xylenes | 1 | ug/l | 1.0 | ND | | |
| Methylene chloride | 1 | ug/l | 1.0 | ND | | |
| Methyl-t-butyl ether | 1 | ug/l | 0.50 | ND | | |
| Naphthalene | 1 | ug/l | 1.0 | ND | | |
| n-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| n-Propylbenzene | 1 | ug/l | 1.0 | ND | | |
| o-Xylene | 1 | ug/l | 1.0 | ND | | |
| sec-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| t-Butylbenzene | 1 | ug/l | 1.0 | ND | | |
| Tetrachloroethene | 1 | ug/l | 1.0 | 4.1 | | |
| Toluene | 1 | ug/l | 1.0 | ND | | |
| trans-1,2-Dichloroethene | 1 | ug/l | 1.0 | ND | | |
| Trichloroethene | 1 | ug/l | 1.0 | ND | | |
| Vinyl chloride | 1 | ug/l | 1.0 | ND | | |
| Xylenes (Total) | 1 | ug/l | 1.0 | ND | | |
| Surrogate | Conc. | Spike | Low Limit | High Limit | Recovery | Flags |
| Toluene-d8 | 31.97 | 30 | 79 | 111 | 107 | |
| Dibromofluoromethane | 29.23 | 30 | 73 | 131 | 97 | |
| Bromofluorobenzene | 29.74 | 30 | 82 | 112 | 99 | |
| 1,2-Dichloroethane-d4 | 29.89 | 30 | 78 | 128 | 100 | |

Hampton-Clarke, Inc. (WBE/DBE/SBE)
 175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
 Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
 Service Center: 137-D Galtier Drive, Mount Laurel, New Jersey 08054
 Ph (Service Center): 856-780-6057 Fax: 856-780-6056

HC
 Hampton-Clarke
 A Woman-Owned, Disadvantaged, Small Business Enterprise
**CHAIN OF CUSTODY
 RECORD**

Project # (Lab Use Only) **9021105** Page **2** of **3**
3) Reporting Requirements (Please Circle)
 Turnaround Report Type Electronic Data Deliv.
 When Available: Summary Baseline QC (Waste)
 1 Business Day (100%)*
 2 Business Days (75%)*
 3 Business Days (50%)*
 4 Business Days (25%)*
 5 Business Days (Stand.)
 Other: NY ASP Cals

Customer Information
 (1a) Customer: **WFE LLC**
 Address: **588 NORCOMIS AVE**
115 HYPACHTA RD
FRANKFORD TOWNSHIP NJ 08073
 (1b) Email/Cell/Fax/Ph: **FRANKFORDTOWNSHIPNJ@GMAIL.COM**
 (1c) Send Invoice to: **FRANK SPANZANO**
 (1d) Send Report to: **FRANK SPANZANO**

Project Information
 (2a) Project: **22-01 QUEENS LAZARUS**
LONG ISLAND CITY NY
 (2b) Project Mgr: **FRANK SPANZANO**
 (2c) Project Location (City/State):
 (2d) Quoter/PO # (if Applicable):

Expedited TAT Not Always Available. Please Check with Lab.
 Other: **NY ASP Cals**

FOR LAB USE ONLY
 Batch # **ADD9023**
 Matrix Codes
 DW - Drinking Water S - Soil A - Air
 GW - Ground Water SL - Sludge
 WW - Waste Water OL - Oil
 OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)
 Sample Type
 Composite (C)
 Grab (G)
CP-15
CP-15
CP-15

8) # of Bottles
 None MeOH En Core NaOH HCl H2SO4 HNO3 Other:
9) Comments

| Lab Sample # | 4) Customer Sample ID | 5) Matrix | 6) Date | Time | Sample Type | 7) Analysis (specify methods & parameter lists) | 8) # of Bottles | | | | | | 9) Comments | | |
|--------------|-----------------------|-----------|---------|------|-------------|---|-----------------|------|---------|------|-----|-------|-------------|------|--------|
| | | | | | | | None | MeOH | En Core | NaOH | HCl | H2SO4 | | HNO3 | Other: |
| 011 | MUSA | GW | 2/7/19 | 8:00 | Grab (G) | CP-15 | | | | | | | | | |
| 012 | B16GW | | | | | | | | | | | | | | |
| 013 | B32GW | | | | | | | | | | | | | | |
| 014 | B36GW | | | | | | | | | | | | | | |
| 015 | B34GW | | | | | | | | | | | | | | |
| 016 | B55GW | | | | | | | | | | | | | | |
| 017 | B66GW | | | | | | | | | | | | | | |
| 018 | B51GW | | | | | | | | | | | | | | |
| 019 | B38GW | | | | | | | | | | | | | | |
| 020 | B16GW | | | | | | | | | | | | | | |

(10) Relinquished by: **[Signature]** Accepted by: **[Signature]** Date: **4/19/19** Time: **14:23**

Comments, Notes, Special Requirements, HAZARDS
 Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
 BN or BNA (8270D SIM)
 VOC (8260C SIM or 8011)
 SPLP (BN, BNA, Metals)
 1,4 Dioxane
 Check if applicable:
 Project-Specific Reporting Limits
 High Contaminant Concentrations
 NJ LSRP Project (also check boxes above/right)
 For NJ LSRP projects, indicate which standards need to be met:
 NUDEP GWQS
 NUDEP SRS
 NUDEP SPLP
 Other (specify):
 Cooler Temperature

(11) Sampler (print name): **FRANK SPANZANO** Date: **2/8/19**
Additional Notes
 Please note NUMBERED items. If not completed your analytical work may be delayed.
 A fee of \$5/sample will be assessed for storage should sample not be activated for any analysis.
 Internal use: sampling plan (check box) HCL [] or client [] FSP#

Hampton-Clarke, Inc. (WBE/DBE/SBE)
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 Service Center: 137-D Gailther Drive, Mount Laurel, New Jersey 08054
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HC
 Hampton-Clarke
 A Woman-Owned, Disadvantaged, Small Business Enterprise
 WBE/DBE/SBE #00-439933

Project # (Lab Use Only) **90211DS**
 Page **3** of **3**
3) Reporting Requirements (Please Circle)
 Turnaround: Expedited TAT Not Always Available. Please Check with Lab.

Customer Information
 1a) Customer: **SFE LLC**
 Address: **58 NORWOMES AVE**
LETTERS WITH POST
FRANCOISE OPTONLINE NET
 1b) Email/Cell/Fax/Pr: **F. GARDIN**
 1c) Send Invoice to:
 1d) Send Report to:

Project Information
 2a) Project: **22-01 QUEEN'S PIAZA NORTH**
LONG BRANCH CITY, NJ
 2b) Project Mgr: **F. GARDIN**
 2c) Project Location (City/State):
 2d) Quote/PO # (If Applicable):

When Available:
 1 Business Day (100%)*
 2 Business Days (75%)*
 3 Business Days (60%)*
 4 Business Days (45%)*
 5 Business Days (25%)*
 8 Business Days (Stand.)
 Other: **PDF**

Report Type
 Summary
 Results + QC (Waste)
 Reduced:
 [] NJ [] NY
 [] PA [] Other: **NY ASP CalA**
 NJ Full / NY ASP CalB
 NJ ASP CalA
 Other: **PDF**

Electronic Data Deliv.
 NJ HazSite
 Excel Reg. NJ / NY / PA
 EnviroData
 EQUIS:
 [] 4-File [] EZ
 [] NYDEC
 [] Region 2 or 5
 Other: **PDF**

FOR LAB USE ONLY
 Batch # **ADD9003**
 Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Waste Water, OT - Other (please specify under Item 9, Comments)
 S - Soil, SL - Sludge, OL - Oil, A - Air

| Lab Sample # | Customer Sample ID | Matrix | 6) Sample | | Composite (C) | Grab (G) | 7) Analysis (specify methods & parameter lists) | 8) # of Bottles | | | | | | | 9) Comments | | | | |
|--------------|--------------------|--------|-----------|------|---------------|----------|---|-----------------|------|---------|------|-----|-------|------|-------------|--------|--|--|--|
| | | | Date | Time | | | | None | MeOH | En Core | NaOH | HCl | H2SO4 | HNO3 | | Other: | | | |
| 021 | BIOGSA | GW | 4/19/2003 | 5:00 | | | | | | | | | | | | | | | |

10) Relinquished by: **Accepted by:**
 Date: **4/19/03** Time: **11:27**

Comments, Notes, Special Requirements, HAZARDS
 Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
 BN or BNA (8270D SIM)
 VOC (8260C SIM or 8011)
 SPLP (BN, BNA, Metals)
 1,4 Dioxane
 Check if applicable:
 Project-Specific Reporting Limits
 High Contaminant Concentrations
 NJ LSRP Project (also check if **shove/rihty**)
 Please note NUMBERED items
 A fee of \$5/sample will be charged for any analytical work may be delayed.
 If client should sample not be activated for any analysis.
 Cooler Temperature: **5.1**
 Internal use: sampling plan (che)

**APPENDIX D:
SITE PHOTOGRAPHS**



Photograph 1: View of the Site stockyard looking south from across the intersection of 22nd Street and 41st Avenue. The Site building is visible at far right-background.



Photograph 2: Site building looking north from across the intersection of Queens Plaza North and 23rd Street.



Photograph 3: General view of a portion of the Site stockyard looking north.



Photograph 4: Installation of B3 looking south.



Photograph 5: Typical soil encountered in the borings installed in the stockyard. B1 soils shown.



Photograph 6: Soil encountered in B4, which was installed inside the Site building.



Photograph 7: Interior of the vacant ground floor of the two-story Site building. Installation of B9 shown.



Photograph 8: Open and empty stockyard area at the north side of the Site looking east towards the vacant storage building.