FOCUSED SUBSURFACE SITE INVESTIGATION

419-429 HOYT STREET
AKA 58-64 4TH STREET
BROOKLYN, NEW YORK 11231

PREPARED FOR

CANAL DEVELOPMENT PARTNERS

MECC PROJECT: M12001A

MERRITT ENVIRONMENTAL CONSULTING CORP.

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November 3, 2014
Project: M12001A

Mr. Doug Bomar
Canal Development Partners
68 Jay Street
Brooklyn, NY 11201

RE: Focused Subsurface Site Investigation
419-429 Hoyt Street
AKA 58-64 4th Street
Brooklyn, New York 11231

Dear Mr. Bomar:

Merritt Environmental Consulting Corp. ("MECC") has completed a Focused Subsurface Site Investigation (the "FSSI") at the 419 to 429 Hoyt Street property (the "Site"). MECC understands that this study is intended for use as an environmental due diligence instrument for Site acquisition. The Site contains one (1) two-story warehouse/industrial building with a footprint estimated at 9,418 square feet in an urban setting. The primary focus of this study was to determine if volatile organic compounds (VOCs) and/or petroleum were released to subsurface soil or groundwater at actionable concentrations beneath the Site.

This study was also designed to assess fill quality beneath the Site. The results of soil quality field screening activities and laboratory analytical data disclosed little or no adverse impact to soil quality by petroleum-related substances or by VOCs in the soil zone above the water table (depth to groundwater is between roughly 11 feet and 15 feet below ground surface). However, groundwater quality at the Site was found to contain petroleum-related VOCs at elevated concentrations. The types of these detected substances are generally consistent with those commonly present at historical manufactured gas plants (MGPs). A large historical MGP was formerly located west of the Site and is a known source of VOC contamination. Since little or no petroleum-related VOCs were detected in subsurface soil, the Site can be eliminated as a potential source and contributing source of this condition. Further, voluminous documentation is available from regulatory agencies confirming that this nearby MGP adversely impacted Site groundwater quality. Accordingly, MECC concludes that the Site is not a source or a contributing source of this condition. MECC strongly recommends that engineering controls be installed in the Site building to prevent potential intrusion of elevated levels of volatile organic vapors into the structure. Engineering controls should also be installed beneath the foundation of any future planned structures at the Site should redevelopment occur.

MECC also evaluated fill quality beneath the Site. Based on field observations and laboratory analysis results, a significant thickness of fill material exists beneath the Site and contains elevated concentrations of semi-volatile organic compounds (SVOCs) and certain heavy metals. All soil above the water table consists of fill material. Based on the laboratory analytical data, costs will be incurred to properly dispose of the soil excavated if the Site is redeveloped. Further, certain heavy metal concentrations are great enough to raise the possibility of classifying at least some of the material as hazardous waste causing a substantial increase in disposal costs. The urban fill material beneath the Site is not an actionable or reportable condition in the State of New York.

Background

The Site is located at the southeast corner of the intersection between Hoyt Street and 4th Street and contains a two-story industrial/warehouse building with a partial basement. A small single-story section of the structure is present at its southern end and contains interior truck loading bays. The Site building is currently unoccupied and covers the entire Site. Building construction consists of steel frame with masonry perimeter walls. The Site building appears to have always been connected to the municipal drinking water supply and sewer system. At the time the FSSI field activities were conducted, the partial basement was flooded with approximately nine inches of water and was not accessed.

A recently completed Phase I Environmental Site Assessment (ESA) identified no apparent historical uses of concern within the Site. However, the ESA identified a historical MGP formerly located west and south of the Site. The ESA raised this former MGP, commonly known as "Citizens Works," as an area of concern. In addition, the ESA indicated that one (1) groundwater monitoring well was observed within the Site sidewalk along Hoyt Street and raised this observation as an additional area of concern.

MECC conducted additional research of the Citizens Works MGP and a large number of documents concerning this former facility are available on-line. The current owner of the former MGP property (National Grid) is named in these regulatory agency documents as one of the parties responsible for contamination in the nearby Gowanus Canal (the Gowanus Canal in its entirety identified on the federal National Priorities List, which is commonly known as the Superfund List). The Gowanus Canal is located south and west of the Site beyond the former MGP property. These documents also confirm that a large area of groundwater contamination exists in the area of the former MGP property, and that this contamination has impacted groundwater and sediments at the Gowanus Canal. The reviewed documents indicate that the primary contaminants in groundwater that originate from the former MGP consist of benzene, toluene, ethylbenzene and xylenes (collectively "BTEX"). Naphthalene is also listed as a contaminant of concern in groundwater originating from the former MGP. MECC has confirmed through a review of the available documents that the groundwater monitoring well located in the Hoyt Street sidewalk adjacent to the Site building was installed as part of a prior investigation conducted by National Grid as part of their responsibility under the federal Comprehensive Environmental Response Compensation and Liability Act (CERCLA) and with respect to the Gowanus Canal Superfund site. MECC's review of these documents disclosed that groundwater quality beneath the Site was adversely affected by elevated BTEX and naphthalene originating from the former MGP.

Topography and Geology

The elevation of the Site is roughly 15 feet above mean sea level. Surface topography consists of a moderate downward slope to the southeast. Based on MECC's review of regulatory agency documents pertaining to the Citizens Works MGP, local groundwater flow is southeast. Groundwater gauging conducted during the FSSI identified the water table at between 11 feet and 15 feet below ground surface (bgs). This difference in depth to water is caused by the lower elevation of MW1 relative to the interior borings. Subsurface sediment beneath the Site generally consisted of sandy fill with varying amounts of wood cinders, ash, rock, construction debris and lesser amounts of various other materials (glass, ceramic shards). This fill was observed to the water table. Naturally occurring sediment was not encountered until below the water table and consists of an organic rich grey clay common to a tidal marsh depositional environment.

Scope of Work Completed

All field activities associated with this FSSI were completed on October 17, 2014. Mr. Frank Galdun, Project Geologist with MECC, supervised the drilling contractor and conducted all field sampling activities.

MECC retained a contractor to employ a track-mounted hydraulic direct-push drill rig to install four (4) soil borings inside the eastern and southern sections of the Site building. The partial basement is present at the west section of the building and was inaccessible due to flooding. The maximum depth of the borings was 20 feet bgs. Soil and groundwater samples were collected for laboratory analysis from all borings. In addition, MECC collected a groundwater sample from the monitoring well located within the Hoyt Street sidewalk adjacent to the Site. Please refer to the attached site sketch for soil boring locations.

Soil Quality Field Screening Results

MECC conducted continuous physical evaluation of soil condition to determine if any evidence of contamination was present. In addition, the MECC employed a photoionization detector (PID) to determine if measurable levels of volatile organic vapors existed in the soil samples as they were extracted from the five-foot direct-push sampling sleeves. MECC identified no unusual odors wither in the fill material or in the native sediment below the fill. However, elevated PID readings, petroleum sheens and petroleum odors were identified in the groundwater samples collected from the existing monitoring well (Sample MW1 on the attached laboratory data) and from the groundwater samples collected from Soil Borings B3 and B4. No PID responses were recorded for and of the soil samples collected from above the water table.

Soil and Groundwater Sample Collection/Laboratory Analysis

A five-foot plastic sleeve was inserted into each hollow drill casing and was driven into the subsurface at each boring location. The sleeves are removed from the casings as they were extracted from the soil boring. Soil quality evaluation and soil sampling is conducted by cutting the sleeves longitudinally, exposing the collected soil. MECC collected one (1) grab soil sample from above the water table for laboratory analysis at each of the four (4) borings (total four samples). The depths of samples collection varied at each boring.

All samples were analyzed at the laboratory under EPA Method 8260 –VOCs and for Target Analyte List Heavy Metals (TAL Metals). Three (3) of the four (4) samples were also analyzed for SVOCs under EPA Method 8270 and for pesticides and polychlorinated biphenyls (PCBs).

MECC submitted all soil and groundwater samples collected during this study to Veritich, a New York State Department of Health-Certified environmental laboratory (NYSDOH ELAP No. 10982). MECC placed all samples collected during this study (soil and groundwater) in containers holding the appropriate preservatives. The laboratory supplied all sample containers used by MECC. All samples were shipped on ice to Veritech within 24 hours of collection. In addition, MECC completed all appropriate chain of custody documents prior to sample shipment.

All appropriate chain of custody documentation was completed before sample shipment to the laboratory. All samples were collected into laboratory-supplied containers with the appropriate preservatives. The samples were stored on ice and hand-delivered to the laboratory within one day of collection.

VOCs were detected in the soil samples and Table 1 summarizes these results:

TABLE 1: VOC LABORATORY RESULTS FOR SOIL SAMPLES					
Substance	**Sample Location and Depth**				**SCO**
	B1 4'	**B2 5'-6'**	**B3 5'-6'**	**B4 9'-10'**	
Benzene	0.0012	ND	ND	ND	0.06
Methylene chloride	0.0064B	0.0070B	0.014B	0.016B	0.05
Naphthalene	ND	ND	0.029	ND	12

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.**

Trace concentrations of petroleum-related VOCs (naphthalene and benzene) were variously detected in B1 4' and B3 5'-6' but at levels that do not approach the Unrestricted Use SCOs. Methylene chloride (not a petroleum-related substance) was also detected in all samples, but the "B" designation in each result indicates that this VOC was also detected in the method blank used for quality control by the laboratory. Therefore this data is not representative of actual soil quality at the Site. Aside from those listed in Table 1, no other VOCs were detected in the samples.

SVOCs were detected in the three (3) soil samples selected for this analytical parameter and Table 2 summarizes the laboratory report:

TABLE 2: SVOC LABORATORY RESULTS FOR SOIL SAMPLES				
	Sample Location and Depth			
Substance	**B1'-4'**	**B3 5'-6'**	**B4 9'-10'**	**SCO**
Acenaphthene	0.64	0.05	1.5	20
Acenaphthylene	0.25	ND	0.3	100
Anthracene	0.82	0.12	3.3	100
Benzo[a]anthracene	**3.1**	0.41	**7.7**	1
Benzo[a]pyrene	**2.9**	0.34	**5.6**	1
Benzo[b]fluoranthene	**3.8**	0.42	**6.5**	1
Benzo[g,h,i]perylene	1.8	0.29	3.2	100
Benzo[k]fluoranthene	**1.3**	0.16	**2.3**	0.8
Chrysene	**3.1**	0.44	**6.4**	1
Dibenzo[a,h]anthracene	**0.67**	0.078	**1.1**	0.33
Dibenzofuran	0.36	0.034	0.92	7
Fluoranthene	5.5	0.67	13	100
Fluorene	0.39	0.049	1.3	30
Indeno[1,2,3-cd]pyrene	**1.7**	0.24	**3.1**	0.5
Naphthalene	0.27	0.045	0.58	12
Phenanthrene	4.8	0.67	15	100
Pyrene	6.9	0.85	14	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**

SVOCs were detected at concentrations that exceed the Unrestricted Use SCOs at a low to moderate degree in two (2) of the samples. This data is considered representative of typical urban fill.

All soil samples were analyzed for TAL Metals and Table 3 summarizes the laboratory results:

TABLE 3: METAL LABORATORY RESULTS FOR SOIL SAMPLES

Metals	Sample Location and Depth				Standard
	B1 4'	B2 5'-6'	B3 5'-6'	B4 9'-10'	
Mercury	**6.5**	**8.8**	**0.9**	**7.7**	0.18
Aluminum	5,200	5,100	8,600	6,300	No SCO
Arsenic	6.9	9	13	11	13
Barium	120	160	61	120	350
Calcium	21,000	7,600	8,600	7,100	No SCO
Chromium	19	16	20	16	30
Cobalt	4.7	6.6	8	7	No SCO
Copper	50	**57**	**5,500**	45	50
Iron	13,000	12,000	25,000	13,000	No SCO
Lead	**410**	**660**	**1,200**	**300**	63
Magnesium	3,100	2,300	3,400	3,200	No SCO
Manganese	230	270	470	290	1600
Nickel	15	19	**45**	24	30
Potassium	910	820	1,200	1000	No SCO
Vanadium	17	18	26	22	No SCO
Zinc	**300**	**200**	**1,200**	**300**	109
Beryllium	0.39	0.32	0.34	0.33	7.2
Cadmium	ND	ND	1.8	ND	2.5
Silver	ND	0.28	0.71	ND	2
Cyanide	0.53	0.36	ND	0.72	27

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**

Table 2 shows that several of the detected TAL Metal concentrations exceed the Unrestricted Use SCOs. Because both SVOC and TAL Metal concentrations exceed Unrestricted Use Soil Cleanup Objectives, the material beneath the Site is considered fill and will necessitate special disposal if redevelopment were to occur. Mercury, lead and zinc concentrations in the various samples are considered by MECC to be great enough to raise the possibility that some of the fill beneath the Site could be classified as hazardous waste, causing even greater incurred disposal costs.

B1 4', B3 5'-6' and B4 9'-10' were also analyzed for pesticides and PCBs. These substances were not detected by the laboratory in any of the three (3) soil samples.

Groundwater Sampling and Laboratory Analysis

MECC installed dedicated one-inch diameter PVC well screen into B1 through B4 for groundwater sampling. A ten-foot long well screen was inserted into B1. Dedicated disposable one-quarter inch diameter flexible tubing fitted with a foot valve was then used to collect the groundwater samples. Groundwater was purged until apparent turbidity was visibly reduced and one (1) groundwater sample was collected from each of the well points for laboratory analysis. All purging and sampling was conducted under low-flow conditions using a peristaltic pump.

In addition, MECC collected one (1) groundwater sample from the existing monitoring well in the Hoyt Street sidewalk using the same methods employed for the temporary well points. Depth to the water table in this well was measured to be 11.4 feet bgs. The sidewalk at this area is lower than the interior floor deck of the Site building, which caused the measured depth to water to be substantially shallower than that measured in the temporary well points installed within the structure.

All groundwater samples (five total) were analyzed for VOCs and Table 4 summarizes the laboratory data:

TABLE 4 VOC LABORATORY RESULTS FOR GROUNDWATER SAMPLES

Substance	Sample Location					Standard
	B1GW	B2GW	B3GW	B4GW	MW1	
1,2,4-Trimethylbenzene	ND	ND	**65**	**25**	**27**	5
1,3,5-Trimethylbenzene	ND	ND	**11**	**7.7**	ND	5
4-Isopropyltoluene	ND	ND	ND	1	ND	5
Benzene	ND	0.51	**120**	ND	**670**	0.7
Carbon disulfide	ND	ND	ND	1.4	ND	5
Ethylbenzene	ND	ND	**440**	2.4	**250**	5
Isopropylbenzene	ND	ND	**25**	1.6	ND	5
Methyl-t-butyl ether	ND	ND	4.3	ND	ND	10
Naphthalene	ND	ND	**370**	**43**	**380**	10
n-Propylbenzene	ND	ND	2.8	**6.9**	ND	5
sec-Butylbenzene	ND	ND	ND	1.6	ND	5
t-Butyl Alcohol	17	ND	ND	ND	ND	10
Toluene	ND	ND	3.5	ND	**530**	5
Xylenes (Total)	ND	ND	**237**	1.8	**380**	5
Total VOCs	17	0.51	1278.6	92.4	2237	

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.**

As shown, elevated concentrations of VOCs were detected in four (4) of the five (5) samples. MW1 (existing monitoring well in the Hoyt Street sidewalk) was reported to contain the greatest total VOC content of the five (5) collected samples. Significantly, no chlorinated VOCs (i.e., dry cleaning solvents and metal degreasers) were detected in any of the five (5) samples. All detected VOCs are petroleum-related.

B1GW, B3GW, B4GW and MW1 were further analyzed for SVOCs and Table 5 summarizes the laboratory report:

TABLE 5: SVOC LABORATORY RESULTS FOR GROUNDWATER SAMPLES					
Substance	**Sample Location**				**Standard**
	B1GW	**B3GW**	**B4GW**	**MW1**	
Anthracene	ND	ND	2.3	ND	50
Benzo[a]anthracene	ND	9	7.4	ND	0.002
Benzo[a]pyrene	ND	11	9.4	ND	0.002
Benzo[b]fluoranthene	ND	15	11	ND	0.002
Benzo[g,h,i]perylene	ND	7.1	6.6	ND	5
Benzo[k]fluoranthene	ND	ND	4.7	ND	0.002
Chrysene	ND	13	6.6	ND	0.002
Dibenzo[a,h]anthracene	ND	ND	2.4	ND	50
Dibenzofuran	ND	6.6	0.78	ND	5
Fluoranthene	ND	22	13	ND	50
Indeno[1,2,3-cd]pyrene	ND	6.6	6.3	ND	0.002
Naphthalene	0.59	300	5.7	240	10
Pentachlorophenol	ND	ND	ND	ND	1
Phenanthrene	ND	28	8.4	ND	50
Phenol	ND	ND	ND	ND	1
Pyrene	ND	20	13	ND	50

NOTES

4. **Results expressed in micrograms per liter (ug/l), which can also be expressed as parts per billion (ppb).**
5. **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.**
6. **ND: Parameter non-detected, below method detection limits.**

B3GW, B4GW and MW1 all contain elevated SVOC concentrations. These same samples also contained elevated VOC concentrations. B1GW appears to have been installed at a hydraulic upgradient position within the Site building (north side) and shows substantially lower concentrations VOC and SVOC (fewer VOCs and SVOCs were also detected in the sample).

Conclusions/Recommendations

MECC has identified high levels of VOCs and SVOCs in groundwater beneath the Site. The types of substances reported by the laboratory in collected groundwater samples are similar to those reported by regulators to be present in groundwater beneath the adjacent former Citizens Works MGP (subsurface investigation reports concerning the MGP also verify that elevated concentrations of these substances are present in groundwater beneath the Site and that they originate from the adjacent former MGP area). Because no VOCs were detected above applicable regulatory limits in soil samples collected from above the water table at the Site, MECC has found no evidence to suggest that the Site is a contributing source of this condition. SVOCs were detected at elevated concentrations in soil samples collected at the Site, but these results can be attributed to the presence of urban fill and not a petroleum discharge (soil quality field screening results disclosed no evidence of a petroleum release to Site soil above the water table).

The VOC concentrations detected in groundwater beneath the Site warrant a recommendation to install engineering controls to reduce the potential of intrusion of volatile organic vapors into the Site building at elevated concentrations. Engineering controls should also be installed beneath the foundation of any future planned structures at the Site should redevelopment occur.

Based on field observations and laboratory analysis results, a significant thickness of fill material exists beneath the Site and contains elevated concentrations of SVOCs and certain heavy metals. All soil above the water table consists of fill material. Based on the laboratory analytical data, costs will be incurred to properly dispose of the soil excavated if the Site is redeveloped. Further, certain heavy metal concentrations are great enough to raise the possibility of classifying at least some of the material as hazardous waste causing a substantial increase in disposal costs. The urban fill material beneath the Site is not an actionable or reportable condition in the State of New York.

Limitations of the FSSI

The scope of the FSSI is intended to aid in evaluating whether additional investigation would be prudent. The tasks that comprise this FSSI are not exhaustive or definitive. MECC has made no independent investigation of the accuracy of these 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 has no reason to believe that the secondary sources provided or acquired during this study contain intentionally false or misleading information). MECC does not warrant that all contamination that may exist under the Site has been discovered, that the Site is suitable for any particular purpose or that the Site is clean or free of liability.

If you have any questions concerning this document, please feel free to call our office.

Sincerely,

Frank Galdun
Project Geologist

Charles G. Merritt
President/LEED AP

Attachments:
Attachment 1: Site Location Map and Site Plan
Attachment 2: Laboratory Report of Analysis
Attachment 3: Site Photographs
Attachment 4: Soil Borings Logs

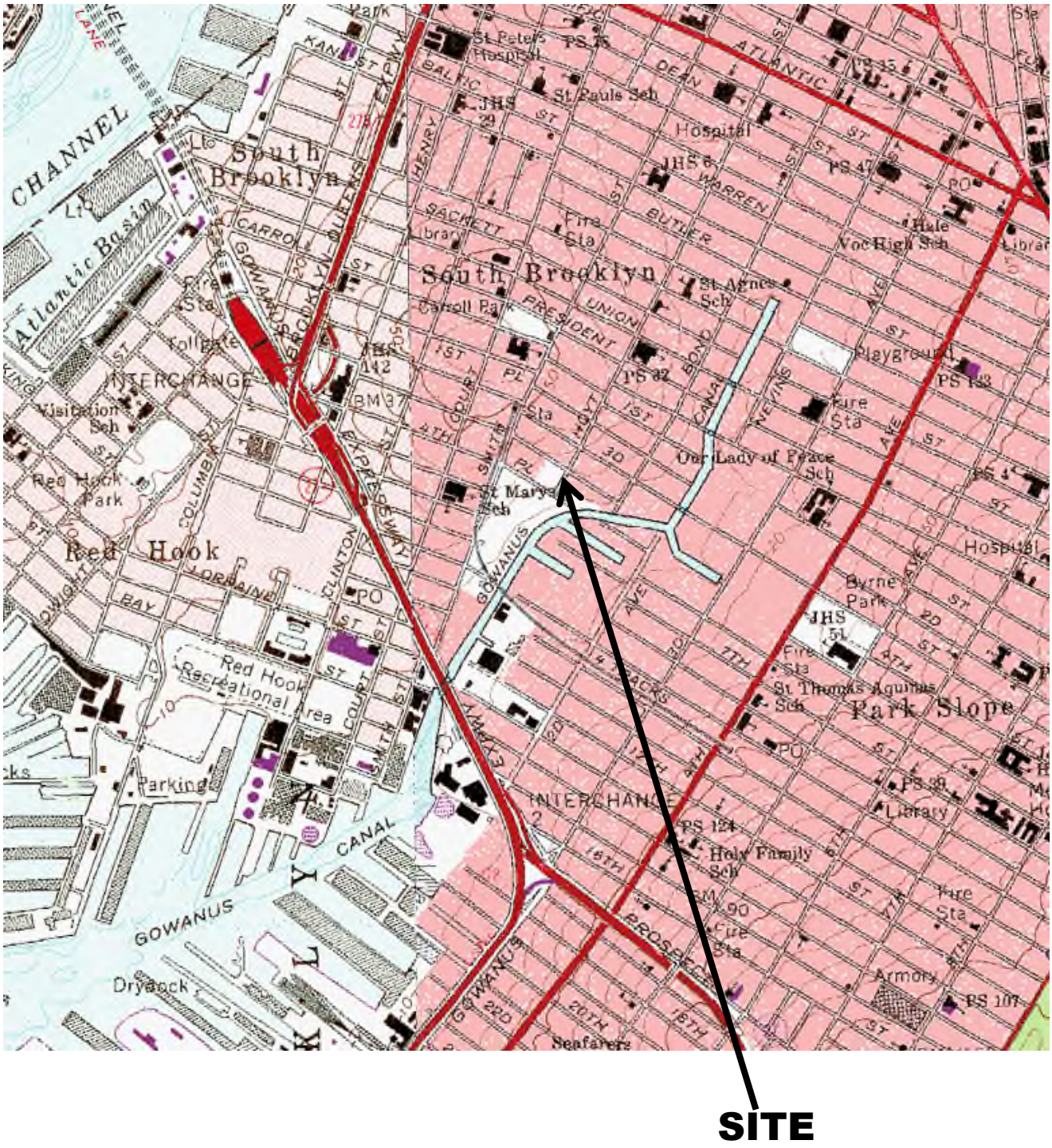
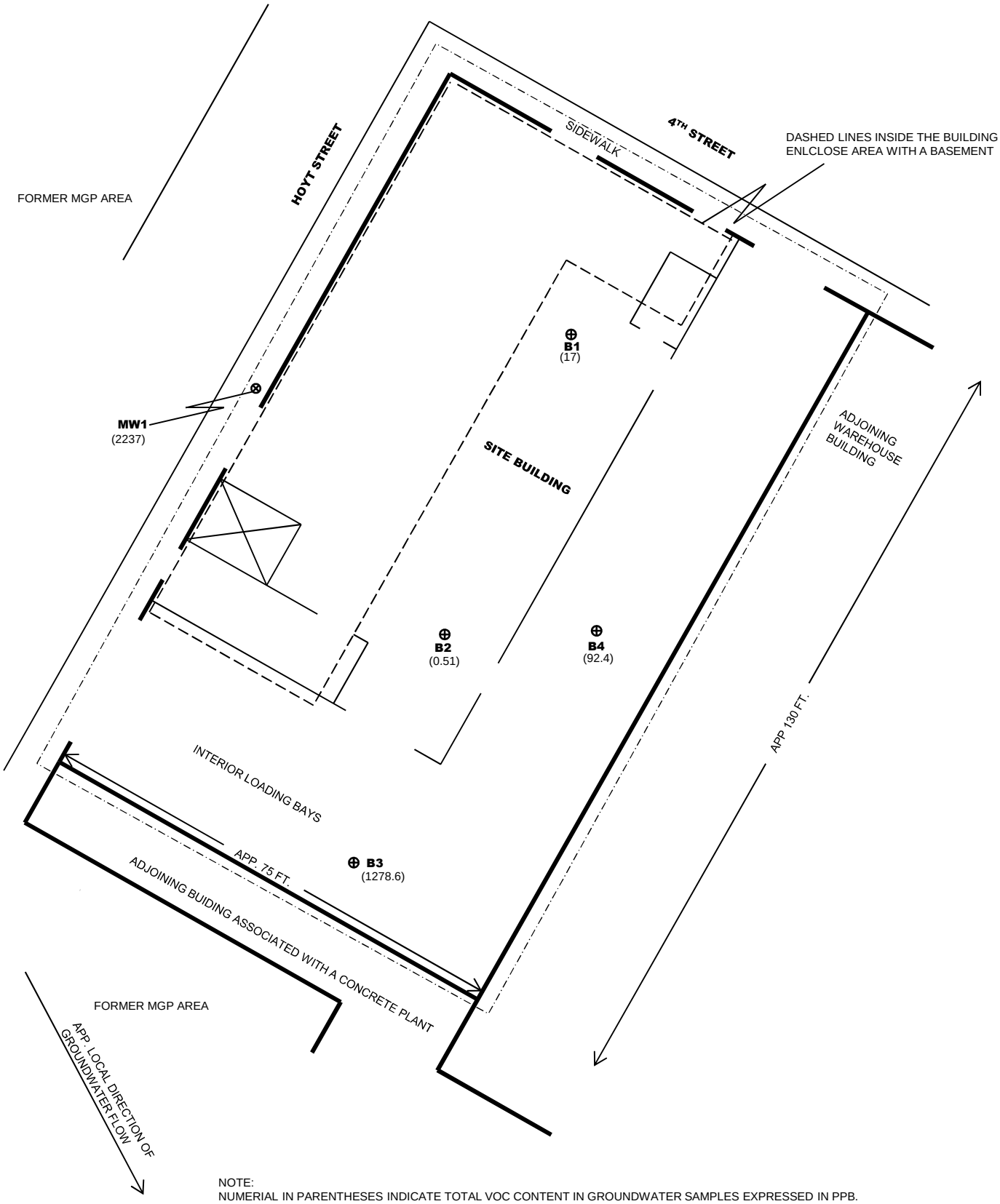


FIGURE 1: SITE LOCATION MAP **Contour Interval: 10'**	**Site Address:** **419 to 429 Hoyt St.** **Brooklyn, NY**
USGS 7.5" Quadrangle Map titled *Brooklyn, NY,* dated 1995	



NOTE:
NUMERIAL IN PARENTHESES INDICATE TOTAL VOC CONTENT IN GROUNDWATER SAMPLES EXPRESSED IN PPB.

SITE SKETCH: 419 TO 429 HOYT STREET
NOT TO SCALE BROOKLYN, NY

N

⊗ DENOTES SAMPLED GROUNDWATER MONITORING WELLS

PATTERNED LINES ENCLOSE THE SITE

⊕ DENOTES SOIL BORING LOCATIONS

Hampton-Clarke Report Of Analysis

Client: GFE LLC **HC Project #:** 4101721

Project: 419-429 Hoyt ST.

Sample ID: B1'-4' **Collection Date:** 10/17/2014
Lab#: AC81483-001 **Receipt Date:** 10/17/2014
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**88**

Cyanide (Soil/Waste) 9012B

Analyte	DF	Units	RL	Result
Cyanide	**1**	**mg/kg**	**0.27**	**0.53**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	**2**	**mg/kg**	**0.19**	**6.5**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0057	ND
Aldrin	1	mg/kg	0.0057	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
delta-BHC	1	mg/kg	0.0057	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0057	ND
Endosulfan II	1	mg/kg	0.0057	ND
Endosulfan Sulfate	1	mg/kg	0.0057	ND
Endrin	1	mg/kg	0.0057	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0057	ND
p,p'-DDD	1	mg/kg	0.0028	ND
p,p'-DDE	1	mg/kg	0.0028	ND
p,p'-DDT	1	mg/kg	0.0028	ND

PAH Compounds 8270

Analyte	DF	Units	RL	Result
2-Methylphenol	3	mg/kg	0.028	ND
Acenaphthene	**3**	**mg/kg**	**0.11**	**0.64**
Acenaphthylene	**3**	**mg/kg**	**0.11**	**0.25**
Anthracene	**3**	**mg/kg**	**0.11**	**0.82**
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**3.1**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**2.9**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**3.8**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**1.8**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**1.3**
Chrysene	**3**	**mg/kg**	**0.11**	**3.1**
Dibenzo[a,h]anthracene	**3**	**mg/kg**	**0.11**	**0.67**
Dibenzofuran	**3**	**mg/kg**	**0.028**	**0.36**
Fluoranthene	**3**	**mg/kg**	**0.11**	**5.5**
Fluorene	**3**	**mg/kg**	**0.11**	**0.39**
Hexachlorobenzene	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**1.7**
Naphthalene	**3**	**mg/kg**	**0.028**	**0.27**
Pentachlorophenol	3	mg/kg	0.57	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**4.8**
Phenol	3	mg/kg	0.11	ND
Pyrene	**3**	**mg/kg**	**0.11**	**6.9**

Sample ID: B1'-4' **Collection Date: 10/17/2014**
Lab#: AC81483-001 **Receipt Date: 10/17/2014**
Matrix: Soil

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

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**230**	**5200**
Arsenic	**1**	**mg/kg**	**4.5**	**6.9**
Barium	**1**	**mg/kg**	**11**	**120**
Calcium	**1**	**mg/kg**	**1100**	**21000**
Chromium	**1**	**mg/kg**	**5.7**	**19**
Cobalt	**1**	**mg/kg**	**2.8**	**4.7**
Copper	**1**	**mg/kg**	**5.7**	**50**
Iron	**1**	**mg/kg**	**230**	**13000**
Lead	**1**	**mg/kg**	**5.7**	**410**
Magnesium	**1**	**mg/kg**	**570**	**3100**
Manganese	**1**	**mg/kg**	**11**	**230**
Nickel	**1**	**mg/kg**	**5.7**	**15**
Potassium	**1**	**mg/kg**	**570**	**910**
Sodium	1	mg/kg	280	ND
Thallium	1	mg/kg	1.7	ND
Vanadium	**1**	**mg/kg**	**11**	**17**
Zinc	**1**	**mg/kg**	**11**	**300**

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	0.91	ND
Beryllium	**1**	**mg/kg**	**0.23**	**0.39**
Cadmium	1	mg/kg	0.45	ND
Selenium	1	mg/kg	2.3	ND
Silver	1	mg/kg	0.23	ND

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.988	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.988	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.988	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.988	mg/kg	0.0022	ND
1,1-Dichloroethane	0.988	mg/kg	0.0022	ND
1,1-Dichloroethene	0.988	mg/kg	0.0022	ND
1,2,3-Trichloropropane	0.988	mg/kg	0.0022	ND
1,2,4-Trimethylbenzene	0.988	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.988	mg/kg	0.0022	ND
1,2-Dichloroethane	0.988	mg/kg	0.0011	ND
1,2-Dichloropropane	0.988	mg/kg	0.0022	ND
1,3,5-Trimethylbenzene	0.988	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.988	mg/kg	0.0022	ND
1,3-Dichloropropane	0.988	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.988	mg/kg	0.0022	ND
1,4-Dioxane	0.988	mg/kg	0.11	ND
2-Butanone	0.988	mg/kg	0.0022	ND
2-Chloroethylvinylether	0.988	mg/kg	0.0022	ND

Sample ID: B1'-4' **Collection Date: 10/17/2014**
Lab#: AC81483-001 **Receipt Date: 10/17/2014**
Matrix: Soil

2-Hexanone	0.988	mg/kg	0.0022	ND
4-Isopropyltoluene	0.988	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.988	mg/kg	0.0022	ND
Acetone	0.988	mg/kg	0.011	ND
Benzene	**0.988**	**mg/kg**	**0.0011**	**0.0012**
Bromodichloromethane	0.988	mg/kg	0.0022	ND
Bromoform	0.988	mg/kg	0.0022	ND
Bromomethane	0.988	mg/kg	0.0022	ND
Carbon disulfide	0.988	mg/kg	0.0022	ND
Carbon tetrachloride	0.988	mg/kg	0.0022	ND
Chlorobenzene	0.988	mg/kg	0.0022	ND
Chloroethane	0.988	mg/kg	0.0022	ND
Chloroform	0.988	mg/kg	0.0022	ND
Chloromethane	0.988	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.988	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.988	mg/kg	0.0022	ND
Dibromochloromethane	0.988	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.988	mg/kg	0.0022	ND
Ethylbenzene	0.988	mg/kg	0.0011	ND
Isopropylbenzene	0.988	mg/kg	0.0011	ND
m&p-Xylenes	0.988	mg/kg	0.0011	ND
Methylene chloride	**0.988**	**mg/kg**	**0.0022**	**0.0064B**
Methyl-t-butyl ether	0.988	mg/kg	0.0011	ND
Naphthalene	0.988	mg/kg	0.0011	ND
n-Butylbenzene	0.988	mg/kg	0.0011	ND
n-Propylbenzene	0.988	mg/kg	0.0011	ND
o-Xylene	0.988	mg/kg	0.0011	ND
sec-Butylbenzene	0.988	mg/kg	0.0011	ND
Styrene	0.988	mg/kg	0.0022	ND
t-Butyl Alcohol	0.988	mg/kg	0.011	ND
t-Butylbenzene	0.988	mg/kg	0.0011	ND
Tetrachloroethene	0.988	mg/kg	0.0022	ND
Toluene	0.988	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.988	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.988	mg/kg	0.0022	ND
Trichloroethene	0.988	mg/kg	0.0022	ND
Trichlorofluoromethane	0.988	mg/kg	0.0022	ND
Vinyl chloride	0.988	mg/kg	0.0022	ND
Xylenes (Total)	0.988	mg/kg	0.0011	ND

Sample ID: B2 5'-6' **Collection Date: 10/17/2014**
Lab#: AC81483-002 **Receipt Date: 10/17/2014**
Matrix: Soil

% 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**	**0.36**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	**5**	**mg/kg**	**0.48**	**8.8**

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**230**	**5100**
Arsenic	**1**	**mg/kg**	**4.7**	**9.0**
Barium	**1**	**mg/kg**	**12**	**160**

Sample ID: B2 5'-6' **Collection Date: 10/17/2014**
Lab#: AC81483-002 **Receipt Date: 10/17/2014**
Matrix: Soil

Calcium	**1**	**mg/kg**	**1200**	**7600**
Chromium	**1**	**mg/kg**	**5.8**	**16**
Cobalt	**1**	**mg/kg**	**2.9**	**6.6**
Copper	**1**	**mg/kg**	**5.8**	**57**
Iron	**1**	**mg/kg**	**230**	**12000**
Lead	**1**	**mg/kg**	**5.8**	**660**
Magnesium	**1**	**mg/kg**	**580**	**2300**
Manganese	**1**	**mg/kg**	**12**	**270**
Nickel	**1**	**mg/kg**	**5.8**	**19**
Potassium	**1**	**mg/kg**	**580**	**820**
Sodium	1	mg/kg	290	ND
Thallium	1	mg/kg	1.7	ND
Vanadium	**1**	**mg/kg**	**12**	**18**
Zinc	**1**	**mg/kg**	**12**	**200**

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	0.93	ND
Beryllium	**1**	**mg/kg**	**0.23**	**0.32**
Cadmium	1	mg/kg	0.47	ND
Selenium	1	mg/kg	2.3	ND
Silver	**1**	**mg/kg**	**0.23**	**0.28**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.994	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.994	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.994	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.994	mg/kg	0.0023	ND
1,1-Dichloroethane	0.994	mg/kg	0.0023	ND
1,1-Dichloroethene	0.994	mg/kg	0.0023	ND
1,2,3-Trichloropropane	0.994	mg/kg	0.0023	ND
1,2,4-Trimethylbenzene	0.994	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.994	mg/kg	0.0023	ND
1,2-Dichloroethane	0.994	mg/kg	0.0012	ND
1,2-Dichloropropane	0.994	mg/kg	0.0023	ND
1,3,5-Trimethylbenzene	0.994	mg/kg	0.0012	ND
1,3-Dichlorobenzene	0.994	mg/kg	0.0023	ND
1,3-Dichloropropane	0.994	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.994	mg/kg	0.0023	ND
1,4-Dioxane	0.994	mg/kg	0.12	ND
2-Butanone	0.994	mg/kg	0.0023	ND
2-Chloroethylvinylether	0.994	mg/kg	0.0023	ND
2-Hexanone	0.994	mg/kg	0.0023	ND
4-Isopropyltoluene	0.994	mg/kg	0.0012	ND
4-Methyl-2-pentanone	0.994	mg/kg	0.0023	ND
Acetone	0.994	mg/kg	0.012	ND
Benzene	0.994	mg/kg	0.0012	ND
Bromodichloromethane	0.994	mg/kg	0.0023	ND
Bromoform	0.994	mg/kg	0.0023	ND
Bromomethane	0.994	mg/kg	0.0023	ND
Carbon disulfide	0.994	mg/kg	0.0023	ND
Carbon tetrachloride	0.994	mg/kg	0.0023	ND
Chlorobenzene	0.994	mg/kg	0.0023	ND
Chloroethane	0.994	mg/kg	0.0023	ND
Chloroform	0.994	mg/kg	0.0023	ND
Chloromethane	0.994	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.994	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.994	mg/kg	0.0023	ND
Dibromochloromethane	0.994	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.994	mg/kg	0.0023	ND

Sample ID: B2 5'-6' **Collection Date: 10/17/2014**
Lab#: AC81483-002 **Receipt Date: 10/17/2014**
Matrix: Soil

Ethylbenzene	0.994	mg/kg	0.0012	ND
Isopropylbenzene	0.994	mg/kg	0.0012	ND
m&p-Xylenes	0.994	mg/kg	0.0012	ND
Methylene chloride	**0.994**	**mg/kg**	**0.0023**	**0.0070B**
Methyl-t-butyl ether	0.994	mg/kg	0.0012	ND
Naphthalene	0.994	mg/kg	0.0012	ND
n-Butylbenzene	0.994	mg/kg	0.0012	ND
n-Propylbenzene	0.994	mg/kg	0.0012	ND
o-Xylene	0.994	mg/kg	0.0012	ND
sec-Butylbenzene	0.994	mg/kg	0.0012	ND
Styrene	0.994	mg/kg	0.0023	ND
t-Butyl Alcohol	0.994	mg/kg	0.012	ND
t-Butylbenzene	0.994	mg/kg	0.0012	ND
Tetrachloroethene	0.994	mg/kg	0.0023	ND
Toluene	0.994	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.994	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.994	mg/kg	0.0023	ND
Trichloroethene	0.994	mg/kg	0.0023	ND
Trichlorofluoromethane	0.994	mg/kg	0.0023	ND
Vinyl chloride	0.994	mg/kg	0.0023	ND
Xylenes (Total)	0.994	mg/kg	0.0012	ND

Sample ID: B3 5'-6' **Collection Date: 10/17/2014**
Lab#: AC81483-003 **Receipt Date: 10/17/2014**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**93**

Cyanide (Soil/Waste) 9012B

Analyte	DF	Units	RL	Result
Cyanide	1	mg/kg	0.26	ND

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.090**	**0.90**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0054	ND
Aldrin	1	mg/kg	0.0054	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
delta-BHC	1	mg/kg	0.0054	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0054	ND
Endosulfan II	1	mg/kg	0.0054	ND
Endosulfan Sulfate	1	mg/kg	0.0054	ND
Endrin	1	mg/kg	0.0054	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0054	ND
p,p'-DDD	1	mg/kg	0.0027	ND
p,p'-DDE	1	mg/kg	0.0027	ND
p,p'-DDT	1	mg/kg	0.0027	ND

PAH Compounds 8270

Analyte	DF	Units	RL	Result
2-Methylphenol	1	mg/kg	0.0090	ND
Acenaphthene	**1**	**mg/kg**	**0.036**	**0.050**
Acenaphthylene	1	mg/kg	0.036	ND

Sample ID: B3 5'-6' **Collection Date: 10/17/2014**
Lab#: AC81483-003 **Receipt Date: 10/17/2014**
Matrix: Soil

Anthracene	**1**	**mg/kg**	**0.036**	**0.12**
Benzo[a]anthracene	**1**	**mg/kg**	**0.036**	**0.41**
Benzo[a]pyrene	**1**	**mg/kg**	**0.036**	**0.34**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.036**	**0.42**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.036**	**0.29**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.036**	**0.16**
Chrysene	**1**	**mg/kg**	**0.036**	**0.44**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.036**	**0.078**
Dibenzofuran	**1**	**mg/kg**	**0.0090**	**0.034**
Fluoranthene	**1**	**mg/kg**	**0.036**	**0.67**
Fluorene	**1**	**mg/kg**	**0.036**	**0.049**
Hexachlorobenzene	1	mg/kg	0.036	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.036**	**0.24**
Naphthalene	**1**	**mg/kg**	**0.0090**	**0.045**
Pentachlorophenol	1	mg/kg	0.18	ND
Phenanthrene	**1**	**mg/kg**	**0.036**	**0.67**
Phenol	1	mg/kg	0.036	ND
Pyrene	**1**	**mg/kg**	**0.036**	**0.85**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**220**	**8600**
Arsenic	**1**	**mg/kg**	**4.3**	**13**
Barium	**1**	**mg/kg**	**11**	**61**
Calcium	**1**	**mg/kg**	**1100**	**8600**
Chromium	**1**	**mg/kg**	**5.4**	**20**
Cobalt	**1**	**mg/kg**	**2.7**	**8.0**
Copper	**2**	**mg/kg**	**11**	**5500**
Iron	**1**	**mg/kg**	**220**	**25000**
Lead	**1**	**mg/kg**	**5.4**	**1200**
Magnesium	**1**	**mg/kg**	**540**	**3400**
Manganese	**1**	**mg/kg**	**11**	**470**
Nickel	**1**	**mg/kg**	**5.4**	**45**
Potassium	**1**	**mg/kg**	**540**	**1200**
Sodium	1	mg/kg	270	ND
Thallium	1	mg/kg	1.6	ND
Vanadium	**1**	**mg/kg**	**11**	**26**
Zinc	**1**	**mg/kg**	**11**	**1200**

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	0.86	ND
Beryllium	**1**	**mg/kg**	**0.22**	**0.34**
Cadmium	**1**	**mg/kg**	**0.43**	**1.8**
Selenium	1	mg/kg	2.2	ND
Silver	**1**	**mg/kg**	**0.22**	**0.71**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result

Sample ID: B3 5'-6' **Collection Date: 10/17/2014**
Lab#: AC81483-003 **Receipt Date: 10/17/2014**
Matrix: Soil

1,1,1-Trichloroethane	0.986	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.986	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.986	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.986	mg/kg	0.0021	ND
1,1-Dichloroethane	0.986	mg/kg	0.0021	ND
1,1-Dichloroethene	0.986	mg/kg	0.0021	ND
1,2,3-Trichloropropane	0.986	mg/kg	0.0021	ND
1,2,4-Trimethylbenzene	0.986	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.986	mg/kg	0.0021	ND
1,2-Dichloroethane	0.986	mg/kg	0.0011	ND
1,2-Dichloropropane	0.986	mg/kg	0.0021	ND
1,3,5-Trimethylbenzene	0.986	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.986	mg/kg	0.0021	ND
1,3-Dichloropropane	0.986	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.986	mg/kg	0.0021	ND
1,4-Dioxane	0.986	mg/kg	0.11	ND
2-Butanone	0.986	mg/kg	0.0021	ND
2-Chloroethylvinylether	0.986	mg/kg	0.0021	ND
2-Hexanone	0.986	mg/kg	0.0021	ND
4-Isopropyltoluene	0.986	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.986	mg/kg	0.0021	ND
Acetone	0.986	mg/kg	0.011	ND
Benzene	0.986	mg/kg	0.0011	ND
Bromodichloromethane	0.986	mg/kg	0.0021	ND
Bromoform	0.986	mg/kg	0.0021	ND
Bromomethane	0.986	mg/kg	0.0021	ND
Carbon disulfide	0.986	mg/kg	0.0021	ND
Carbon tetrachloride	0.986	mg/kg	0.0021	ND
Chlorobenzene	0.986	mg/kg	0.0021	ND
Chloroethane	0.986	mg/kg	0.0021	ND
Chloroform	0.986	mg/kg	0.0021	ND
Chloromethane	0.986	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.986	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.986	mg/kg	0.0021	ND
Dibromochloromethane	0.986	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.986	mg/kg	0.0021	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**	**0.0021**	**0.014B**
Methyl-t-butyl ether	0.986	mg/kg	0.0011	ND
Naphthalene	**0.986**	**mg/kg**	**0.0011**	**0.029**
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
Styrene	0.986	mg/kg	0.0021	ND
t-Butyl Alcohol	0.986	mg/kg	0.011	ND
t-Butylbenzene	0.986	mg/kg	0.0011	ND
Tetrachloroethene	0.986	mg/kg	0.0021	ND
Toluene	0.986	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.986	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.986	mg/kg	0.0021	ND
Trichloroethene	0.986	mg/kg	0.0021	ND
Trichlorofluoromethane	0.986	mg/kg	0.0021	ND
Vinyl chloride	0.986	mg/kg	0.0021	ND
Xylenes (Total)	0.986	mg/kg	0.0011	ND

Sample ID: B4 9'-10' **Collection Date: 10/17/2014**
Lab#: AC81483-004 **Receipt Date: 10/17/2014**
Matrix: Soil

Sample ID: B4 9'-10' **Collection Date: 10/17/2014**
Lab#: AC81483-004 **Receipt Date: 10/17/2014**
Matrix: Soil

% 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**	**0.72**

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	**2**	**mg/kg**	**0.19**	**7.7**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0057	ND
Aldrin	1	mg/kg	0.0057	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
delta-BHC	1	mg/kg	0.0057	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0057	ND
Endosulfan II	1	mg/kg	0.0057	ND
Endosulfan Sulfate	1	mg/kg	0.0057	ND
Endrin	1	mg/kg	0.0057	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0057	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	1	mg/kg	0.0029	ND
p,p'-DDT	1	mg/kg	0.0029	ND

PAH Compounds 8270

Analyte	DF	Units	RL	Result
2-Methylphenol	5	mg/kg	0.048	ND
Acenaphthene	**5**	**mg/kg**	**0.19**	**1.5**
Acenaphthylene	**5**	**mg/kg**	**0.19**	**0.30**
Anthracene	**5**	**mg/kg**	**0.19**	**3.3**
Benzo[a]anthracene	**5**	**mg/kg**	**0.19**	**7.7**
Benzo[a]pyrene	**5**	**mg/kg**	**0.19**	**5.6**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.19**	**6.5**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.19**	**3.2**
Benzo[k]fluoranthene	**5**	**mg/kg**	**0.19**	**2.3**
Chrysene	**5**	**mg/kg**	**0.19**	**6.4**
Dibenzo[a,h]anthracene	**5**	**mg/kg**	**0.19**	**1.1**
Dibenzofuran	**5**	**mg/kg**	**0.048**	**0.92**
Fluoranthene	**5**	**mg/kg**	**0.19**	**13**
Fluorene	**5**	**mg/kg**	**0.19**	**1.3**
Hexachlorobenzene	5	mg/kg	0.19	ND
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.19**	**3.1**
Naphthalene	**5**	**mg/kg**	**0.048**	**0.58**
Pentachlorophenol	5	mg/kg	0.96	ND
Phenanthrene	**5**	**mg/kg**	**0.19**	**15**
Phenol	5	mg/kg	0.19	ND
Pyrene	**5**	**mg/kg**	**0.19**	**14**

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

Sample ID: B4 9'-10' **Collection Date: 10/17/2014**
Lab#: AC81483-004 **Receipt Date: 10/17/2014**
Matrix: Soil

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

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**230**	**6300**
Arsenic	**1**	**mg/kg**	**4.6**	**11**
Barium	**1**	**mg/kg**	**11**	**120**
Calcium	**1**	**mg/kg**	**1100**	**7100**
Chromium	**1**	**mg/kg**	**5.7**	**16**
Cobalt	**1**	**mg/kg**	**2.9**	**7.0**
Copper	**1**	**mg/kg**	**5.7**	**45**
Iron	**1**	**mg/kg**	**230**	**13000**
Lead	**1**	**mg/kg**	**5.7**	**300**
Magnesium	**1**	**mg/kg**	**570**	**3200**
Manganese	**1**	**mg/kg**	**11**	**290**
Nickel	**1**	**mg/kg**	**5.7**	**24**
Potassium	**1**	**mg/kg**	**570**	**1000**
Sodium	1	mg/kg	290	ND
Thallium	1	mg/kg	1.7	ND
Vanadium	**1**	**mg/kg**	**11**	**22**
Zinc	**1**	**mg/kg**	**11**	**300**

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	0.92	ND
Beryllium	**1**	**mg/kg**	**0.23**	**0.33**
Cadmium	1	mg/kg	0.46	ND
Selenium	1	mg/kg	2.3	ND
Silver	1	mg/kg	0.23	ND

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.992	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.992	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.992	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.992	mg/kg	0.0023	ND
1,1-Dichloroethane	0.992	mg/kg	0.0023	ND
1,1-Dichloroethene	0.992	mg/kg	0.0023	ND
1,2,3-Trichloropropane	0.992	mg/kg	0.0023	ND
1,2,4-Trimethylbenzene	0.992	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.992	mg/kg	0.0023	ND
1,2-Dichloroethane	0.992	mg/kg	0.0011	ND
1,2-Dichloropropane	0.992	mg/kg	0.0023	ND
1,3,5-Trimethylbenzene	0.992	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.992	mg/kg	0.0023	ND
1,3-Dichloropropane	0.992	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.992	mg/kg	0.0023	ND
1,4-Dioxane	0.992	mg/kg	0.11	ND
2-Butanone	0.992	mg/kg	0.0023	ND
2-Chloroethylvinylether	0.992	mg/kg	0.0023	ND
2-Hexanone	0.992	mg/kg	0.0023	ND
4-Isopropyltoluene	0.992	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.992	mg/kg	0.0023	ND
Acetone	0.992	mg/kg	0.011	ND
Benzene	0.992	mg/kg	0.0011	ND
Bromodichloromethane	0.992	mg/kg	0.0023	ND
Bromoform	0.992	mg/kg	0.0023	ND

Sample ID: B4 9'-10' **Collection Date: 10/17/2014**
Lab#: AC81483-004 **Receipt Date: 10/17/2014**
Matrix: Soil

Bromomethane	0.992	mg/kg	0.0023	ND
Carbon disulfide	0.992	mg/kg	0.0023	ND
Carbon tetrachloride	0.992	mg/kg	0.0023	ND
Chlorobenzene	0.992	mg/kg	0.0023	ND
Chloroethane	0.992	mg/kg	0.0023	ND
Chloroform	0.992	mg/kg	0.0023	ND
Chloromethane	0.992	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.992	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.992	mg/kg	0.0023	ND
Dibromochloromethane	0.992	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.992	mg/kg	0.0023	ND
Ethylbenzene	0.992	mg/kg	0.0011	ND
Isopropylbenzene	0.992	mg/kg	0.0011	ND
m&p-Xylenes	0.992	mg/kg	0.0011	ND
Methylene chloride	**0.992**	**mg/kg**	**0.0023**	**0.016B**
Methyl-t-butyl ether	0.992	mg/kg	0.0011	ND
Naphthalene	0.992	mg/kg	0.0011	ND
n-Butylbenzene	0.992	mg/kg	0.0011	ND
n-Propylbenzene	0.992	mg/kg	0.0011	ND
o-Xylene	0.992	mg/kg	0.0011	ND
sec-Butylbenzene	0.992	mg/kg	0.0011	ND
Styrene	0.992	mg/kg	0.0023	ND
t-Butyl Alcohol	0.992	mg/kg	0.011	ND
t-Butylbenzene	0.992	mg/kg	0.0011	ND
Tetrachloroethene	0.992	mg/kg	0.0023	ND
Toluene	0.992	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.992	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.992	mg/kg	0.0023	ND
Trichloroethene	0.992	mg/kg	0.0023	ND
Trichlorofluoromethane	0.992	mg/kg	0.0023	ND
Vinyl chloride	0.992	mg/kg	0.0023	ND
Xylenes (Total)	0.992	mg/kg	0.0011	ND

Sample ID: B1 GW **Collection Date: 10/17/2014**
Lab#: AC81483-005 **Receipt Date: 10/17/2014**
Matrix: Aqueous

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	ug/l	0.010	ND
Aldrin	1	ug/l	0.010	ND
Alpha-BHC	1	ug/l	0.010	ND
beta-BHC	1	ug/l	0.010	ND
delta-BHC	1	ug/l	0.010	ND
Dieldrin	1	ug/l	0.010	ND
Endosulfan I	1	ug/l	0.010	ND
Endosulfan II	1	ug/l	0.010	ND
Endosulfan Sulfate	1	ug/l	0.010	ND
Endrin	1	ug/l	0.010	ND
gamma-BHC	1	ug/l	0.010	ND
Heptachlor	1	ug/l	0.010	ND
p,p'-DDD	1	ug/l	0.010	ND
p,p'-DDE	1	ug/l	0.010	ND
p,p'-DDT	1	ug/l	0.010	ND

PAH Compounds 8270

Analyte	DF	Units	RL	Result
2-Methylphenol	1	ug/l	0.52	ND
Acenaphthene	1	ug/l	2.1	ND
Acenaphthylene	1	ug/l	2.1	ND
Anthracene	1	ug/l	2.1	ND

Sample ID: B1 GW **Collection Date: 10/17/2014**
Lab#: AC81483-005 **Receipt Date: 10/17/2014**
Matrix: Aqueous

Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND
Benzo[k]fluoranthene	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.52	ND
Fluoranthene	1	ug/l	2.1	ND
Fluorene	1	ug/l	2.1	ND
Hexachlorobenzene	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.1	ND
Naphthalene	**1**	**ug/l**	**0.52**	**0.59**
Pentachlorophenol	1	ug/l	10	ND
Phenanthrene	1	ug/l	2.1	ND
Phenol	1	ug/l	2.1	ND
Pyrene	1	ug/l	2.1	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.25	ND
Aroclor-1016	1	ug/l	0.25	ND
Aroclor-1221	1	ug/l	0.25	ND
Aroclor-1232	1	ug/l	0.25	ND
Aroclor-1242	1	ug/l	0.25	ND
Aroclor-1248	1	ug/l	0.25	ND
Aroclor-1254	1	ug/l	0.25	ND
Aroclor-1260	1	ug/l	0.25	ND
Aroclor-1262	1	ug/l	0.25	ND
Aroclor-1268	1	ug/l	0.25	ND

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-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
1,2,3-Trichloropropane	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
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	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
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND

Sample ID: B1 GW **Collection Date: 10/17/2014**
Lab#: AC81483-005 **Receipt Date: 10/17/2014**
Matrix: Aqueous

Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	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
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	**1**	**ug/l**	**5.0**	**17**
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
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: B2 GW **Collection Date: 10/17/2014**
Lab#: AC81483-006 **Receipt Date: 10/17/2014**
Matrix: Aqueous

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-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
1,2,3-Trichloropropane	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
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	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
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	**1**	**ug/l**	**0.50**	**0.51**
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND

Sample ID: B2 GW **Collection Date: 10/17/2014**
Lab#: AC81483-006 **Receipt Date: 10/17/2014**
Matrix: Aqueous

Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	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
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	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
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Volatile Organics (no search) 8260 Library Searches

Analyte	DF	Units	RT	Result
4,7-Methano-2,3,8-methenocyclopent[a]in	**1**	**ug/l**	**7.787**	**4.4J**
TotalVolatileTic	**1**	**ug/l**	**NA**	**4.4J**

Sample ID: B3 GW **Collection Date: 10/17/2014**
Lab#: AC81483-007 **Receipt Date: 10/17/2014**
Matrix: Aqueous

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	ug/l	0.0077	ND
Aldrin	1	ug/l	0.0077	ND
Alpha-BHC	1	ug/l	0.0077	ND
beta-BHC	1	ug/l	0.0077	ND
delta-BHC	1	ug/l	0.0077	ND
Dieldrin	1	ug/l	0.0077	ND
Endosulfan I	1	ug/l	0.0077	ND
Endosulfan II	1	ug/l	0.0077	ND
Endosulfan Sulfate	1	ug/l	0.0077	ND
Endrin	1	ug/l	0.0077	ND
Endrin Aldehyde	1	ug/l	0.0077	ND
Endrin Ketone	1	ug/l	0.0077	ND
gamma-BHC	1	ug/l	0.0077	ND
Heptachlor	1	ug/l	0.0077	ND
Heptachlor Epoxide	1	ug/l	0.0077	ND
Methoxychlor	1	ug/l	0.0077	ND
p,p'-DDD	1	ug/l	0.0077	ND

Sample ID: B3 GW **Collection Date: 10/17/2014**
Lab#: AC81483-007 **Receipt Date: 10/17/2014**
Matrix: Aqueous

p,p'-DDE	1	ug/l	0.0077	ND
p,p'-DDT	1	ug/l	0.0077	ND
Toxaphene	1	ug/l	0.19	ND
y-Chlordane	1	ug/l	0.0077	ND

PAH Compounds 8270

Analyte	DF	Units	RL	Result
2-Methylphenol	3	ug/l	1.5	ND
Acenaphthene	3	ug/l	6.0	ND
Acenaphthylene	3	ug/l	6.0	ND
Anthracene	3	ug/l	6.0	ND
Benzo[a]anthracene	**3**	**ug/l**	**6.0**	**9.0**
Benzo[a]pyrene	**3**	**ug/l**	**6.0**	**11**
Benzo[b]fluoranthene	**3**	**ug/l**	**6.0**	**15**
Benzo[g,h,i]perylene	**3**	**ug/l**	**6.0**	**7.1**
Benzo[k]fluoranthene	3	ug/l	6.0	ND
Chrysene	**3**	**ug/l**	**6.0**	**13**
Dibenzo[a,h]anthracene	3	ug/l	6.0	ND
Dibenzofuran	**3**	**ug/l**	**1.5**	**6.6**
Fluoranthene	**3**	**ug/l**	**6.0**	**22**
Fluorene	3	ug/l	6.0	ND
Hexachlorobenzene	3	ug/l	6.0	ND
Indeno[1,2,3-cd]pyrene	**3**	**ug/l**	**6.0**	**6.6**
Naphthalene	**3**	**ug/l**	**1.5**	**300**
Pentachlorophenol	3	ug/l	30	ND
Phenanthrene	**3**	**ug/l**	**6.0**	**28**
Phenol	3	ug/l	6.0	ND
Pyrene	**3**	**ug/l**	**6.0**	**20**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.19	ND
Aroclor-1016	1	ug/l	0.19	ND
Aroclor-1221	1	ug/l	0.19	ND
Aroclor-1232	1	ug/l	0.19	ND
Aroclor-1242	1	ug/l	0.19	ND
Aroclor-1248	1	ug/l	0.19	ND
Aroclor-1254	1	ug/l	0.19	ND
Aroclor-1260	1	ug/l	0.19	ND
Aroclor-1262	1	ug/l	0.19	ND
Aroclor-1268	1	ug/l	0.19	ND

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-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
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	**1**	**ug/l**	**1.0**	**65**
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	**1**	**ug/l**	**1.0**	**11**
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	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

Sample ID: B3 GW **Collection Date: 10/17/2014**
Lab#: AC81483-007 **Receipt Date: 10/17/2014**
Matrix: Aqueous

2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	**1**	**ug/l**	**0.50**	**120**
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	**1**	**ug/l**	**1.0**	**440**
Isopropylbenzene	**1**	**ug/l**	**1.0**	**25**
m&p-Xylenes	**1**	**ug/l**	**1.0**	**160**
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	**1**	**ug/l**	**0.50**	**4.3**
Naphthalene	**1**	**ug/l**	**1.0**	**370**
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	**1**	**ug/l**	**1.0**	**2.8**
o-Xylene	**1**	**ug/l**	**1.0**	**77**
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	**1**	**ug/l**	**1.0**	**3.5**
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	**1**	**ug/l**	**1.0**	**237**

Sample ID: B4 GW **Collection Date: 10/17/2014**
Lab#: AC81483-008 **Receipt Date: 10/17/2014**
Matrix: Aqueous

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	ug/l	0.010	ND
Aldrin	1	ug/l	0.010	ND
Alpha-BHC	1	ug/l	0.010	ND
beta-BHC	1	ug/l	0.010	ND
delta-BHC	1	ug/l	0.010	ND
Dieldrin	1	ug/l	0.010	ND
Endosulfan I	1	ug/l	0.010	ND
Endosulfan II	1	ug/l	0.010	ND
Endosulfan Sulfate	1	ug/l	0.010	ND
Endrin	1	ug/l	0.010	ND
gamma-BHC	1	ug/l	0.010	ND
Heptachlor	1	ug/l	0.010	ND
p,p'-DDD	1	ug/l	0.010	ND
p,p'-DDE	1	ug/l	0.010	ND

Sample ID: B4 GW **Collection Date: 10/17/2014**
Lab#: AC81483-008 **Receipt Date: 10/17/2014**
Matrix: Aqueous

p,p'-DDT	1	ug/l	0.010	ND

PAH Compounds 8270

Analyte	DF	Units	RL	Result
2-Methylphenol	1	ug/l	0.51	ND
Acenaphthene	1	ug/l	2.0	ND
Acenaphthylene	1	ug/l	2.0	ND
Anthracene	**1**	**ug/l**	**2.0**	**2.3**
Benzo[a]anthracene	**1**	**ug/l**	**2.0**	**7.4**
Benzo[a]pyrene	**1**	**ug/l**	**2.0**	**9.4**
Benzo[b]fluoranthene	**1**	**ug/l**	**2.0**	**11**
Benzo[g,h,i]perylene	**1**	**ug/l**	**2.0**	**6.6**
Benzo[k]fluoranthene	**1**	**ug/l**	**2.0**	**4.7**
Chrysene	**1**	**ug/l**	**2.0**	**6.6**
Dibenzo[a,h]anthracene	**1**	**ug/l**	**2.0**	**2.4**
Dibenzofuran	**1**	**ug/l**	**0.51**	**0.78**
Fluoranthene	**1**	**ug/l**	**2.0**	**13**
Fluorene	1	ug/l	2.0	ND
Hexachlorobenzene	1	ug/l	2.0	ND
Indeno[1,2,3-cd]pyrene	**1**	**ug/l**	**2.0**	**6.3**
Naphthalene	**1**	**ug/l**	**0.51**	**5.7**
Pentachlorophenol	1	ug/l	10	ND
Phenanthrene	**1**	**ug/l**	**2.0**	**8.4**
Phenol	1	ug/l	2.0	ND
Pyrene	**1**	**ug/l**	**2.0**	**13**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.25	ND
Aroclor-1016	1	ug/l	0.25	ND
Aroclor-1221	1	ug/l	0.25	ND
Aroclor-1232	1	ug/l	0.25	ND
Aroclor-1242	1	ug/l	0.25	ND
Aroclor-1248	1	ug/l	0.25	ND
Aroclor-1254	1	ug/l	0.25	ND
Aroclor-1260	1	ug/l	0.25	ND
Aroclor-1262	1	ug/l	0.25	ND
Aroclor-1268	1	ug/l	0.25	ND

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-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
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	**1**	**ug/l**	**1.0**	**25**
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	**1**	**ug/l**	**1.0**	**7.7**
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	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
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	**1**	**ug/l**	**1.0**	**1.0**

Sample ID: B4 GW **Collection Date: 10/17/2014**
Lab#: AC81483-008 **Receipt Date: 10/17/2014**
Matrix: Aqueous

4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	**1**	**ug/l**	**1.0**	**1.4**
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	**1**	**ug/l**	**1.0**	**2.4**
Isopropylbenzene	**1**	**ug/l**	**1.0**	**1.6**
m&p-Xylenes	**1**	**ug/l**	**1.0**	**1.8**
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
Naphthalene	**1**	**ug/l**	**1.0**	**43**
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	**1**	**ug/l**	**1.0**	**6.9**
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	**1**	**ug/l**	**1.0**	**1.6**
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	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
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	**1**	**ug/l**	**1.0**	**1.8**

Sample ID: MW1 **Collection Date: 10/17/2014**
Lab#: AC81483-009 **Receipt Date: 10/17/2014**
Matrix: Aqueous

PAH Compounds 8270

Analyte	DF	Units	RL	Result
2-Methylphenol	3	ug/l	1.5	ND
Acenaphthene	3	ug/l	6.0	ND
Acenaphthylene	3	ug/l	6.0	ND
Anthracene	3	ug/l	6.0	ND
Benzo[a]anthracene	3	ug/l	6.0	ND
Benzo[a]pyrene	3	ug/l	6.0	ND
Benzo[b]fluoranthene	3	ug/l	6.0	ND
Benzo[g,h,i]perylene	3	ug/l	6.0	ND
Benzo[k]fluoranthene	3	ug/l	6.0	ND
Chrysene	3	ug/l	6.0	ND
Dibenzo[a,h]anthracene	3	ug/l	6.0	ND
Dibenzofuran	3	ug/l	1.5	ND
Fluoranthene	3	ug/l	6.0	ND
Fluorene	3	ug/l	6.0	ND
Hexachlorobenzene	3	ug/l	6.0	ND
Indeno[1,2,3-cd]pyrene	3	ug/l	6.0	ND
Naphthalene	**3**	**ug/l**	**1.5**	**240**

Sample ID: MW1 **Collection Date: 10/17/2014**
Lab#: AC81483-009 **Receipt Date: 10/17/2014**
Matrix: Aqueous

Pentachlorophenol	3	ug/l	30	ND
Phenanthrene	3	ug/l	6.0	ND
Phenol	3	ug/l	6.0	ND
Pyrene	3	ug/l	6.0	ND

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	20	ug/l	20	ND
1,1,2,2-Tetrachloroethane	20	ug/l	20	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	20	ug/l	20	ND
1,1,2-Trichloroethane	20	ug/l	20	ND
1,1-Dichloroethane	20	ug/l	20	ND
1,1-Dichloroethene	20	ug/l	20	ND
1,2,3-Trichloropropane	20	ug/l	20	ND
1,2,4-Trimethylbenzene	**20**	**ug/l**	**20**	**27**
1,2-Dichlorobenzene	20	ug/l	20	ND
1,2-Dichloroethane	20	ug/l	10	ND
1,2-Dichloropropane	20	ug/l	20	ND
1,3,5-Trimethylbenzene	20	ug/l	20	ND
1,3-Dichlorobenzene	20	ug/l	20	ND
1,3-Dichloropropane	20	ug/l	20	ND
1,4-Dichlorobenzene	20	ug/l	20	ND
1,4-Dioxane	20	ug/l	1000	ND
2-Butanone	20	ug/l	20	ND
2-Chloroethylvinylether	20	ug/l	20	ND
2-Hexanone	20	ug/l	20	ND
4-Isopropyltoluene	20	ug/l	20	ND
4-Methyl-2-pentanone	20	ug/l	20	ND
Acetone	20	ug/l	100	ND
Benzene	**20**	**ug/l**	**10**	**670**
Bromodichloromethane	20	ug/l	20	ND
Bromoform	20	ug/l	20	ND
Bromomethane	20	ug/l	20	ND
Carbon disulfide	20	ug/l	20	ND
Carbon tetrachloride	20	ug/l	20	ND
Chlorobenzene	20	ug/l	20	ND
Chloroethane	20	ug/l	20	ND
Chloroform	20	ug/l	20	ND
Chloromethane	20	ug/l	20	ND
cis-1,2-Dichloroethene	20	ug/l	20	ND
cis-1,3-Dichloropropene	20	ug/l	20	ND
Dibromochloromethane	20	ug/l	20	ND
Dichlorodifluoromethane	20	ug/l	20	ND
Ethylbenzene	**20**	**ug/l**	**20**	**250**
Isopropylbenzene	20	ug/l	20	ND
m&p-Xylenes	**20**	**ug/l**	**20**	**250**
Methylene chloride	20	ug/l	20	ND
Methyl-t-butyl ether	20	ug/l	10	ND
Naphthalene	**20**	**ug/l**	**20**	**380**
n-Butylbenzene	20	ug/l	20	ND
n-Propylbenzene	20	ug/l	20	ND
o-Xylene	**20**	**ug/l**	**20**	**130**
sec-Butylbenzene	20	ug/l	20	ND
Styrene	20	ug/l	20	ND
t-Butyl Alcohol	20	ug/l	100	ND
t-Butylbenzene	20	ug/l	20	ND
Tetrachloroethene	20	ug/l	20	ND
Toluene	**20**	**ug/l**	**20**	**530**
trans-1,2-Dichloroethene	20	ug/l	20	ND
trans-1,3-Dichloropropene	20	ug/l	20	ND
Trichloroethene	20	ug/l	20	ND

Sample ID:	**MW1**			**Collection Date:**	**10/17/2014**
Lab#:	**AC81483-009**			**Receipt Date:**	**10/17/2014**
Matrix:	**Aqueous**				

Trichlorofluoromethane	20	ug/l	20	ND
Vinyl chloride	20	ug/l	20	ND
Xylenes (Total)	**20**	**ug/l**	**20**	**380**

HamptonClarke-Veritech Laboratories

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 Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056
NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

HC·V HamptonClarke Veritech WBE/DBE/SBE 800.426.9992
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CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 410121

Page 1 of 1

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
1 Business Day (100%)	Data Summary	Hazsite/CSV
2 Business Days (75%)	Results + QC (Waste)	EnviroData
3 Business Days (50%)	NJ Reduced	Excel - NJ Regulatory
4 Business Days (35%)	NY Reduced	Excel - NY Regulatory
1 Week (25%)	PA Reduced	Excel - PA Regulatory
10 Calendar Days (10%)	Full / Category B	EQuIS *(specify below)*:
2 Weeks	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other: 5DAY		Other: PDF/EXCEL

Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: GFE
Address: 58 NOKOMIS AVE LK HIAWATHA, NJ 07034
1b) Email/Cell/Fax/Ph: frankg@merritrec.com
1c) Send Invoice to:
1d) Send Report to: FRANK GADUN

Project Information

2a) Project: 419-429 HOYT ST. BROOKLYN NY
2b) Project Mgr: F GADUN
2c) Project Location (City/State):
2d) Quote/PO # (If Applicable): 5 DAY

FOR LAB USE ONLY ↓

Batch # AC81483

Check If Contingent ===>

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 Request

<=== Check If Contingent

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	EPA 8260 PART 375 CP-51	EPA 8270 CP51 ONLY	TAL METALS + CN	PCBs	PESTICIDES	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001	B1 1'-4'	SOIL	10/7/14	9:00		✓	✓	✓	✓	✓	✓	3								
-002	B2 5'-6'			9:30			✓		✓			2								
-003	B3 5'-6'			10:50			✓	✓	✓	✓	✓	3								
-004	B4 9'-10'	↓		12:30			✓	✓	✓	✓	✓	3								
-005	B1GW	GW		9:40			✓	✓	✓	✓	✓	2				2				
-006	B2GW			10:00			✓									2				
-007	B3GW			11:50			✓	✓	✓	✓	✓	2				2				
-008	B4GW			1:00			✓	✓	✓	✓	✓	2				2				
-009	MW4	↓	↓	1:50		↓	✓	✓				1				2			FD 10/7/14	

10) Relinquished by:	Accepted by:	Date	Time
		10/17/14	16:34

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards:
- ☐ BN or BNA (8270C SIM)
- ☐ VOC (8260B SIM or 8011)

Note: Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project

Cooler Temperature: 3.1°C

11) Sampler (print name): FRANK GADUN Date: 10/17/14

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.

Photograph 1: View of the Site building looking south-southeast from across the intersection of Hoyt Street and 4th Street.

Photograph 2: View of the interior of the single-story loading bay portion of the structure at the south side of the Site viewed from Hoyt Street. Boring B3 being installed.

Photograph 3: Typical fill material encountered in the borings (B3 shown)

Photograph 4: Discolored soil at water table (black material) shown in samples from B3.

MERRITT ENVIRONMENTAL CONSULTING CORP. 77 Arkay Dr., Suite D Hauppauge, NY 11788 631.617.3200		Boring No. **B1**
	Project Number: 20030021	Boring location: **see site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: 419 to 429 Hoyt St. Brooklyn, NY	
Groundwater Observations: 14.4'	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : **10/17/14** Date Complete : **10/17/14** Surface Elev. : N/A Groundwater Elev.: N/A

Depth feet	Sample #	Sample Type	Blows per 6 " 0-6	6-12	12-18	density moisture	PID	Field Identification of soil Remarks
0'-5'	N/A	N/A	N/A	N/A	N/A	Dry	0.0	20% recovery. Loose sandy fill with rock, charred wood, glass. No odor
							0.0	
5'-10'						Moist	0.0	20% recovery. Loose sand fill with rock, glass, cinders. No odor.
							0.0	
10'-15'						Wet	0.0	15% recovery. Brown fine-med. sand with crushed brick. Slight petroleum odor at water table.
							20.0	
								End of boring 15 ft. Screen driven to 18 feet for groundwater sampling.

ground surface to _____ft. used_____ casing then_____casing to _____ft

A= auger ss: split spoon sampler mc: macrocore HSA: hollow stem auger HA: Hand Auger

Trace: 0-10% Little: 10-20% some: 20-10%

C= coarse M=medium F=fine

MERRITT ENVIRONMENTAL CONSULTING CORP. 77 Arkay Dr., Suite D Hauppauge, NY 11788 631.617.3200		Boring No. **B2**
	Project Number: 20030021	Boring location: **see site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: 419 to 429 Hoyt St. Brooklyn, NY	
Groundwater Observations: 14.4’	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2” Hammer wt. N/A Hammer Fall: N/A	Date Start : **10/17/14** Date Complete : **10/17/14** Surface Elev. : N/A Groundwater Elev.: N/A

Depth feet	Sample #	Sample Type	Blows per 6 “ 0-6	6-12	12-18	density moisture	PID	Field Identification of soil Remarks
	N/A	N/A	N/A	N/A	N/A			
0’-5’						Dry	0.0 0.0	40% recovery. Loose sandy fill with rock, charred wood, glass, ceramic fragments. No odor
5’-10’						Moist	0.0 0.0	50% recovery. Loose sand fill with rock, glass, ceramic fragments, cinders. No odor.
10’-15’						Wet	0.0 12	15% recovery. Brown sandy fill, wood, charred wood rock. Sandy clay layer at 12.5’ dry at 12.5’ and below. Petroleum odor at water table. Slight naphtha-like odor
15’-20’						Wet	30 3.0	90% recovery. Loose sand fill with charred wood, rock to 14 ft. Native dark grey clay/silt high organic content 14 ft.-15 ft.
								End of boring 20 ft. Screen set at 20 ft for groundwater sampling.

ground surface to _____ft. used_____ casing then_____casing to _____ft
A= auger ss: split spoon sampler mc: macrocore HSA: hollow stem auger HA: Hand Auger
Trace: 0-10% Little: 10-20% some: 20-10%
C= coarse M=medium F=fine

MERRITT ENVIRONMENTAL CONSULTING CORP. 77 Arkay Dr., Suite D Hauppauge, NY 11788 631.617.3200		Boring No. **B3**
	Project Number: 20030021	Boring location: **see site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: 419 to 429 Hoyt St. Brooklyn, NY	
Groundwater Observations: 14.5’	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2” Hammer wt. N/A Hammer Fall: N/A	Date Start : **10/17/14** Date Complete : **10/17/14** Surface Elev. : N/A Groundwater Elev.: N/A

Depth feet	Sample #	Sample Type	Blows per 6 “ 0-6	6-12	12-18	density moisture	PID	Field Identification of soil Remarks
0’-5’	N/A	N/A	N/A	N/A	N/A	Dry	0.0 0.0	50% recovery. Loose brown sandy fill with rock, charred wood, glass. No odor
5’-10’						Dry	0.0 0.0	50% recovery. Loose black sand/possible cinder fill with rock, charred wood. No odor.
10’-15’						Wet	0.0 120	15% recovery. Grey sand fill, charred wood possible cinders. Strong naphtha-like odor
15’-20’						Wet	200 171	90% recovery. Grey loose sand/silt fill with crushed brick and charred wood. Strong naphtha-like odor.
								End of boring 20 ft. Screen set at 20 ft for groundwater sampling.

ground surface to _____ft. used_____ casing then_____casing to _____ft
A= auger ss: split spoon sampler mc: macrocore HSA: hollow stem auger HA: Hand Auger
Trace: 0-10% Little: 10-20% some: 20-10%
C= coarse M=medium F=fine

MERRITT ENVIRONMENTAL CONSULTING CORP. 77 Arkay Dr., Suite D Hauppauge, NY 11788 631.617.3200		Boring No. **B4**
	Project Number: 20030021	Boring location: **see site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: 419 to 429 Hoyt St. Brooklyn, NY	
Groundwater Observations: 14.5'	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : **10/17/14** Date Complete : **10/17/14** Surface Elev. : N/A Groundwater Elev.: N/A

Depth feet	Sample #	Sample Type	Blows per 6 " 0-6	Blows per 6 " 6-12	Blows per 6 " 12-18	density moisture	PID	Field Identification of soil Remarks
	N/A	N/A	N/A	N/A	N/A			
0'-5'						Dry	0.0 0.0	50% recovery. Loose brown sandy fill with rock, charred wood. No odor
5'-10'						Dry	0.0 5.0	60% recovery. Sand, crushed brick, gravel, charred wood. Slight petroleum odor.
10'-15'						Wet	0.0 80	60% recovery. Sand fill, charred wood and gravel. Discolored at water table Slight to moderate naphtha-like odor
15'-20'						Wet	60 38	90% recovery. Grey loose sand/silt fill with crushed brick. Naphtha-like odor.
								End of boring 20 ft. Screen set at 20 ft for groundwater sampling.

ground surface to _____ft. used_____ casing then_____casing to _____ft
A= auger ss: split spoon sampler mc: macrocore HSA: hollow stem auger HA: Hand Auger
Trace: 0-10% Little: 10-20% some: 20-10%
C= coarse M=medium F=fine