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FOCUSED SUBSURFACE SITE INVESTIGATION

VARIOUS PARCELS
SPENCER STREET AND FLUSHING AVENUE, BROOKLYN, NEW YORK

PREPARED FOR

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c/o NEIL DOLGIN
KALMON DOLGIN AFFILIATES
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PREPARED BY

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PROJECT M11749A

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SIGNATURE PAGE

Merritt Environmental Consulting Corp. ("MECC") and the undersigned have completed this Focused Subsurface Site Investigation (the "FSSI") at the cluster of properties located along Spencer Street and Flushing Avenue, Brooklyn, New York (the "Site") in accordance with the scope of work defined in MECC's proposal dated July 14, 2014. This project conducted for environmental due diligence purposes using generally accepted industry practice.

MERRITT ENVIRONMENTAL CONSULTING CORP.

Frank Galdun
Project Geologist

Report reviewed by:

Charles G. Merritt
President/LEED AP

1.0 INTRODUCTION

This report presents the results of the FSSI conducted by MECC at the Site, which consists of a cluster of one-story and three-story buildings along with two (2) unimproved lots. The majority of these Site parcels are contiguous and are located at the north side of the city block bordered by Flushing Avenue to the north, Spencer Street to the west and Walworth Street to the east. One outlier parcel is located at the west side of Spencer Street and contains a three-story vacant commercial building with a basement. The total area of the Site is roughly 35,000 square feet. The intent of this study was to establish subsurface soil and groundwater quality beneath the Site. A series of soil borings were installed and soil and groundwater samples were collected for laboratory analysis. MECC understands that this study is intended for use as an environmental due diligence instrument for Site acquisition.

The most significant finding of this study consists of discovery of contamination in groundwater at the Site by chlorinated volatile organic compounds (VOCs) primarily in the form of perchloroethylene (PCE). The degree of impact to groundwater quality is considered by MECC to be severe and greatly elevated levels of PCE and other chlorinated VOCs are present. Regulators will require remediation of this condition, which needs to be reported to the New York State Department of Environmental Conservation (NYSDEC). The groundwater contamination has migrated off-site with groundwater flow. The vertical extent of the contamination is unknown and additional study will be necessary to fully understand lateral and vertical boundaries of the contaminant plume.

1.1 Background

As currently understood, the Site consists of the following addresses:

466 Flushing Avenue (Block 1716, Lot 24):	Approximately 2,500 square-foot vacant located at the southeast corner of the intersection between Flushing Avenue and Spencer Street.
11 Spencer Street (Block 1716, Lots 20, 21)	One large vacant one-story former manufacturing building with no basement used in large part for sheet metal fabrication. The building is irregular in shape and extends to the west to Spencer Street and to the north to Flushing Avenue (476 to 478 Flushing Avenue). This structure also includes a building identified as 15 Spencer Street. The footprint of this building is approximately 20,000 square feet.
23 to 25 Spencer Street (Block 1716, Lot 16)	One approximately 4,000 square-foot single-story manufacturing/warehouse building that currently contains a seafood distributor. This building was not accessed by drilling equipment because large refrigeration units blocked the interior.

27 Spencer Street (Block 1760, Lot 14)	Approximately 7,000 square-foot exterior stockyard that represents the southern-most Site parcel. This stockyard is used by the north-adjoining seafood distribution operation.
12 Spencer Street (Block 1715, Lot 29)	The sole outlier parcel, which contains a narrow elongated three-story commercial building with a full basement. This structure is currently vacant.

One additional parcel contains a single-story warehouse/industrial building and is located within the contiguous section of the Site. Signage on the building indicates its address as 17 to 19 Spencer Street. The structure was locked and inaccessible during the FSSI field activities. Currently it is unclear if this parcel is included within the Site. All areas that are known (or currently assumed) to be within the Site with no access are depicted on the Site Sketch.

1.2 Topography and Geology

The Site elevation is estimated at roughly 20 feet above mean sea level (see topographic map in Appendix 1). This FSSI identified the water table aquifer at 13 feet below ground surface (bgs). Water table elevation isopleths on published maps reviewed by MECC show that groundwater flow direction is likely to the northwest. However, based on the contaminant concentration gradients as listed at each groundwater sampling point on MECC's Site Plan, there may be a more northerly direction of flow at the Site. Additional study will be required to establish groundwater flow at the Site. Local surface topography generally slopes slightly down to the north.

Naturally occurring sediment beneath the Site was found to consist of medium sand with rock fragments starting generally from five feet bgs to termination depths of the soil borings. These fragments may represent larger cobble-size rock that was crushed during advancement of the soil borings. The drilling equipment encountered refusal on what appears to be cobble-size rock before the water table was encountered at certain locations. Near surface fill was encountered is generally approximately five feet in thickness. This material had varying content including crushed brick, wood fragments, cinders, sand and clay.

1.3 Prior Reports

Aside from a recently completed Phase I Environmental Assessment (ESA) prepared by MECC, no other reports pertaining to the Site are known to exist. The ESA identified past industrial uses of the Site as the primary area of environmental concern. The ESA also indicated that regulatory agency records identified a historical underground benzene storage tank (UST) at the 476 Flushing Avenue Site address (this address is includes the large one-story former sheet metal manufacturing building). Further, the ESA identified evidence of a former aboveground storage tank containing trichloroethene (TCE), a chlorinated VOC. This storage tank was reportedly also located within the former sheet metal manufacturing building. This structure also reportedly contained at least two historical gasoline USTs.

2.0 FSSI SCOPE OF WORK COMPLETED

MECC retained a contractor to initially conduct a ground penetrating radar (GPR) survey of the interior of the large one-story former sheet metal manufacturing building. The results of the GPR survey identified one subsurface anomaly resembling a UST. This anomaly is located at the Flushing Avenue side of the structure (north end). The GPR survey was also conducted at the unimproved lot at the northwest corner of the Site (southeast corner of the intersection of Flushing Avenue and Spencer Street). The ESA indicated that a possible UST fill pipe was observed in this section of the Site. However, no subsurface anomalies resembling a UST were identified at this parcel. The GPR survey was conducted on a limited basis at the southern-most Site stockyard (numerous storage containers blocked access to much of this area). Aside from that which was detected at the north side of the former sheet metal manufacturing building, no subsurface anomalies were reported by the GPR survey contractor.

MECC also retained a drilling contractor to employ a track-mounted hydraulic direct-push drill rig to install 14 soil borings at the Site (see Site Plan, Appendix A). Mr. Frank Galdun, Project Geologist with MECC was present to direct the driller and to conduct soil/groundwater sample collection and assessment tasks. All field work was completed on July 21, 2014. These 14 borings were installed within the former sheet metal manufacturing building and at the two unimproved lots within the Site.

MECC also accessed the basement of the building located at the outlier Site parcel (12 Spencer Street). Two soil borings (B15, B16) were installed into the basement floor slab using hand held equipment consisting of a hammer drill tipped with three-foot long solid stem augers. Undisturbed soil samples were collected from these two borings with a slide hammer tipped with a stainless steel collection tube. The maximum depth of penetration at B15 and B16 was three feet below the basement floor. Refusal of drilling equipment was encountered at this depth. Grab soil and groundwater samples were collected from the soil borings for laboratory analysis under various parameters.

The maximum drilling depth at the Site was 20 feet bgs. A Site Location Map and Site Plan are provided in Appendix A of this report.

During the FSSI field activities, MECC observed that all equipment and other items associated with former operations within the sheet metal manufacturing building had been removed. A large concrete-lined pit is located within this building (see Site Plan) and its former use was unknown. MECC has been advised that the pit was a former “dipping tank” for cleaning metal with solvents and that there was possible dumping of waste solvent at the southeast corner of the open stockyard at south end of the Site. MECC observed disturbed soil at this location, which is approximately 75% covered by large storage containers.

Certain areas of the Site were not accessed during this study. Please refer to the Site Plan for the locations of these areas.

3.0 SOIL SAMPLE COLLECTION, FIELD SCREENING PROCEDURES AND LABORATORY 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 boring. Soil quality evaluation and soil sampling is conducted by cutting the sleeves longitudinally, exposing the collected soil. Soil samples collected at three-foot intervals (starting from surface) at the two hand-installed soil borings (B15, B16).

Groundwater was encountered at approximately 13 feet bgs at the Site. The drilling equipment encountered refusal on rock or possible concrete at several borings (B2, through B5 and B11 through B13). With the exception of B13, all of these borings were installed at the exterior stockyard at the south end of the Site. Refusal was encountered on loose large rock in B15 and B16.

MECC detected a distinct solvent odor in soil samples collected from B10, which was located nearest to the concrete pit in the sheet metal manufacturing building. A distinct and strong solvent odor was also detected in the groundwater sample collected from this boring (B10GW in the laboratory analytical report). B10 was the only location where a detectable odor was noted in soil and groundwater. PID readings ranged from 17.2 parts per million (ppm) to 480 ppm in the soil samples collected from B10, with the highest PID reading at the water table). PID readings for all other soil samples collected from the remaining borings were undetect.

3.1 Soil Sample Analysis Results

MECC collected a total of 15 grab soil samples from selected borings for laboratory analysis. Sample identifications on the laboratory report in Appendix C show the soil boring and depth of sample collection. No soil samples were collected from B4, which encountered refusal at three feet bgs. In addition, no soil samples were collected from B14, which was installed directly to the water table without soil sampling. B13 was installed adjacent to B14 and encountered refusal before the water table could be reached (B14 was then installed solely to obtain a groundwater sample). MECC collected two (2) soil samples from varying depths at B10 since field evidence of possible chlorinated VOC contamination was identified.

Generally, the soil samples were collected from depths of five feet bgs or less to evaluate fill quality. Certain selected soil samples were collected from deeper than five feet bgs for comparative purposes and/or to assess potential sources of contamination that may have been below five feet bgs (i.e., USTs or the concrete pit).

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 (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 15 soil samples were analyzed under EPA Method 8260 - VOCs and Table 1 summarizes these results:

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

Compound	Sample Location and Depth															SCO
	B1 1'-5'	B2 1'-3'	B3 8'-9'	B5 2'-5'	B6 1'-4'	B7 1'-4'	B8 1'-3'	B9 5'-7'	B10 4'-5'	B10 9'-10'	B11 3.5'-4'	B12 3.5'-4'	B13 11'-12'	B15 2'-3'	B16 2'-3'	
1,1,1-Trichloroethane	ND	ND	ND	0.073	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.68
1,2,4-Trimethylbenzene	ND	ND	ND	0.0094	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6
1,3,5-Trimethylbenzene	ND	ND	ND	0.0043	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.4
Benzene	ND	ND	ND	0.002	ND	0.002	0.0013	ND	0.0019	ND	ND	0.0019	ND	0.0026	ND	0.06
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.013	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25
Ethylbenzene	ND	ND	ND	0.0014	ND	ND	ND	ND	0.0015	ND	ND	0.0014	ND	ND	ND	1.0
Methylene Chloride	ND	0.007	ND	0.023	0.0052	0.011	ND	ND	ND	ND	ND	ND	ND	0.0077	ND	0.05
Perchloroethylene	0.017	ND	ND	0.024	0.021	0.076	0.0028	ND	0.29	32	ND	ND	ND	0.0048	ND	1.3
Toluene	ND	ND	ND	0.003	ND	ND	0.0017	ND	0.0024	ND	ND	ND	ND	ND	ND	0.7
Trichloroethene	0.021	ND	ND	0.043	0.034	0.12	0.0049	ND	0.01	0.25	ND	ND	ND	ND	ND	0.47
Xylenes (Total)	ND	ND	ND	0.0105	ND	ND	0.0022	ND	0.0034	ND	ND	0.0027	ND	ND	ND	0.26

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.

PCE was detected in B10 9'-10' at a concentration that exceed the Unrestricted Use SCO. This sample was collected from near the water table and may represent some nearby subsurface release. Since B10 was installed adjacent to the concrete pit, soil quality data gathered from B10 appears to indicate a PCE discharge possibly from beneath the pit. No other detected VOCs were reported at concentrations that exceed the Unrestricted Use SCOs.

In order to principally assess shallow fill quality beneath the Site, ten (10) of the 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.

TABLE 2: SVOC LABORATORY RESULTS FOR SOIL SAMPLES
Detected compounds only

Compound	Sample Location and Depth										SCO
	B1 1'-5'	B2 1'-3'	B3 8'-9'	B5 2'-5'	B6 1'-4'	B7 1'-4'	B8 1'-3'	B9 5'-7'	B15 2'-3'	B16 2'-3'	
Acenaphthene	2.3	0.48	ND	4.4	0.042	0.053	1.1	ND	ND	ND	20
Anthracene	3	1.3	ND	8.9	0.097	0.062	1.7	ND	ND	ND	100
Benzo[a]anthracene	8.1	4.7	0.06	23	0.35	0.25	2.7	ND	ND	ND	1.0
Benzo[a]pyrene	7.3	4.5	0.052	19	0.31	0.24	2	ND	ND	ND	1.0
Benzo[b]fluoranthene	9.3	5.6	0.092	20	0.4	0.33	2.5	ND	ND	ND	1.0
Benzo[g,h,i]perylene	5.3	3.3	0.04	11	0.16	0.13	1.2	ND	ND	0.01	100
Benzo[k]fluoranthene	3.2	1.9	ND	7	0.16	0.12	0.81	ND	ND	ND	0.8
Chrysene	7.9	4.6	0.073	25	0.41	0.28	2.5	ND	ND	ND	1.0
Dibenz[a,h]anthracene	1.3	0.83	ND	2.9	0.049	ND	0.35	ND	ND	ND	0.33
Fluoranthene	16	8.8	0.11	41	0.67	0.55	5.7	ND	ND	ND	100
Fluorene	1.2	0.42	ND	4.3	0.038	ND	0.64	ND	ND	ND	30
Indeno[1,2,3-cd]pyrene	4.7	2.7	ND	9.1	0.15	0.13	1.1	ND	ND	ND	0.5
Naphthalene	0.41	0.17	ND	2.4	0.021	0.047	0.89	ND	1.2	ND	12
Phenanthrene	12	5.5	0.043	50	0.57	0.41	7.5	ND	ND	ND	100
Pyrene	16	9.7	0.1	58	0.71	0.51	5.9	ND	ND	ND	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 shown on Table 2. None of the deeper samples (below five feet bgs) were reported to contain SVOCs at concentrations that are above the Unrestricted Use SCOs. The soil samples collected from B1, B2, B3, B5 and B8 all were found to contain the greatest concentrations of SVOCs. All of these borings were installed within the former sheet metal manufacturing building or the two open lots.

In order to further evaluate shallow fill quality, the same ten (10) soil samples were further analyzed at the laboratory for Target Analyte List Heavy Metals (TAL Metals). Table 3 on the following page summarizes the laboratory report.

TABLE 3: TAL METAL LABORATORY RESULTS FOR SOIL SAMPLES

Compound	Sample Location and Depth										SCO
	B1 1'-5'	**B2 1'-3'**	**B3 8'-9'**	**B5 2'-5'**	**B6 1'-4'**	**B7 1'-4'**	**B8 1'-3'**	**B9 5'-7'**	**B15 2'-3'**	**B16 2'-3'**	
Aluminum	17000	8300	8600	11000	7500	5900	10000	15000	6400	6200	No SCO
Arsenic	9.8	7.3	5.8	12	5	6.8	8.3	5.8	81	ND	13
Barium	540	580	42	190	30	95	110	49	280	37	350
Calcium	2400	6900	ND	4600	ND	5300	3500	ND	14000	5400	No SCO
Chromium	32	20	13	19	15	12	15	20	280	16	30
Cobalt	8.2	6.9	5.1	8.9	6.2	7	7.2	10	15	6.6	30
Copper	330	48	14	630	20	54	31	16	740	20	50
Iron	24000	23000	17000	47000	21000	17000	18000	22000	88000	15000	2000
Lead	620	360	64	1000	47	220	930	14	3500	86	63
Magnesium	1900	2200	1700	2300	2100	2200	2100	2700	3700	2200	No SCO
Manganese	370	390	300	630	400	490	360	260	750	340	1600
Nickel	32	10	9.4	19	11	12	12	13	41	11	30
Potassium	760	650	670	630	700	770	860	750	1100	1000	No SCO
Vanadium	25	23	19	22	22	19	21	29	36	22	100
Zinc	890	250	38	700	45	76	87	52	2200	46	109
Antimony	ND	ND	ND	1.1	ND	ND	ND	ND	1.4	ND	No SCO
Beryllium	0.43	0.27	0.31	0.44	0.27	0.26	0.38	0.3	0.32	0.3	7.2
Cadmium	4.7	0.66	ND	2	ND	ND	ND	ND	24	ND	2.5
Silver	0.39	12	0.85	1.7	ND	ND	ND	ND	8.9	ND	2
Mercury	1.8	6.9	0.29	1.2	0.19	0.77	1.1	0.1	4.6	ND	0.18
Cyanide	ND	ND	ND	ND	ND	0.62	ND	ND	0.34	ND	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 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 redevelopment.

Five (5) selected soil samples were also analyzed for polychlorinated biphenyls (PCBs) and pesticides as an additional means of evaluating fill quality. Table 4 on the following page summarizes the laboratory report.

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

	Sample Location and Depth					
Compound	**B1 1'-5'**	**B3 8'-9'**	**B6 1'-4'**	**B8 1'-3'**	**B16 2'-3'**	**SCO**
4,4'-DDE	ND	ND	ND	ND	0.085	0.0033
4,4'-DDT	0.0036	ND	ND	ND	0.35	0.0033
PCBs	0.11	ND	ND	ND	0.043	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

The detected PCBs and pesticides do exceed the Unrestricted Use SCOs in certain samples at marginal degrees. MECC considers these results as typical of urban fill material.

4.0 GROUNDWATER SAMPLE COLLECTION PROCEDURES, OBSERVATIONS AND LABORATORY RESULTS

MECC collected one (1) groundwater sample from each of the seven (7) following hydraulic direct push soil borings: B1, B6, B7, B8, B9, B10 and B14. All groundwater samples were analyzed under EPA Method 8260: VOCs. The groundwater samples obtained from B6, B7, B8, B9 and B14 were further analyzed under EPA Method 8270: SVOCs.

The hydraulic direct push samples were collected by inserting dedicated one-inch diameter slotted PVC well screen to approximately four feet below the perched water table, and withdrawing water through a dedicated, disposable tycoon tube 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.

4.1 Groundwater Sample Analysis Results

All 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

	Sample Location							
Compound	**B1GW**	**B6GW**	**B7GW**	**B8GW**	**B9GW**	**B10GW**	**B14GW**	**Standard**
1,1,1-Trichloroethane	44	97	22	ND	18	3100	ND	5
1,1-Dichloroethane	1.1	7.3	2.3	ND	ND	ND	ND	5
1,1-Dichloroethene	4.6	6.2	2.9	ND	ND	260	ND	5
Chloroform	ND	4.2	1.7	ND	ND	ND	ND	50
cis-1,2-Dichloroethene	17	95	21	1.5	1.7	ND	1.8	5
Perchloroethylene	120	180	170	8.5	250	47000	98	5
trans-1,2-Dichloroethene	ND	1.5	ND	ND	ND	ND	ND	5
Trichloroethene	44	41	71	11	23	250	6.4	5
Xylenes (Total)	ND	ND	1.7	ND	ND	ND	ND	5

NOTES
1. **Results expressed in 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.**

PCE was detected in all groundwater samples at concentrations that exceed the applicable regulatory limit. The highest PCE concentration was detected in B10GW, which appears to have been installed at or near the source of PCE contamination (likely the concrete-lined pit adjacent to B10). The PCE level detected in B10GW is considered severe and extremely high. With the exception of chloroform and xylenes (detected in B7GW at low concentrations), all remaining detected VOCs are common degradation products of PCE.

B6GW, B7GW, B8GW, B9GW and B14GW were further analyzed for SVOCs, which were detected. Table 3 summarizes these results:

TABLE 6: SVOC LABORATORY RESULTS FOR GROUNDWATER SAMPLES
Detected compounds only

	Sample Location					
Compound	**B6GW**	**B7GW**	**B8GW**	**B9GW**	**B14GW**	**Standard**
Naphthalene	ND	ND	ND	ND	1.1	10
Phenanthrene	ND	ND	ND	ND	2.2	50

NOTES
1. **Results expressed in 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.**

Table 6 shows that neither of the two (2) detected SVOCs in B14GW exceed the applicable regulatory limits. No other SVOCs were detected in any of the groundwater samples selected for analysis under this parameter.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Severe groundwater contamination by high levels of chlorinated VOCs has been identified at the Site. The primary contaminant consists of perchloroethylene (PCE) and other chlorinated volatile organic compounds (VOCs) that are known PCE degradation products. Groundwater Sample No. B10GW was reported by the laboratory to contain the greatest PCE concentration in comparison with the remaining groundwater sample laboratory analysis results. A soil sample collected from this boring also contains an elevated PCE concentration. MECC believes that Soil Boring B10 was installed at or near the source of the PCE release, which appears to be the concrete pit within the former sheet metal manufacturing building. The groundwater quality data gathered during this study also shows that the PCE contaminant plume in groundwater has extended beyond Site borders. High levels of PCE in a shallow water table condition within an urban setting raises the possibility of vapor intrusion into adjoining and neighboring apartment buildings. Further investigation will be necessary to understand the full vertical and horizontal extent of the contaminant plume, to determine if possible additional sources of PCE contamination exist at the Site and to assess the potential adverse impact on use and occupancy of adjoining and neighboring apartment buildings by vapor intrusion The PCE contamination at the Site needs to be reported to the New York State Department of Environmental Conservation.

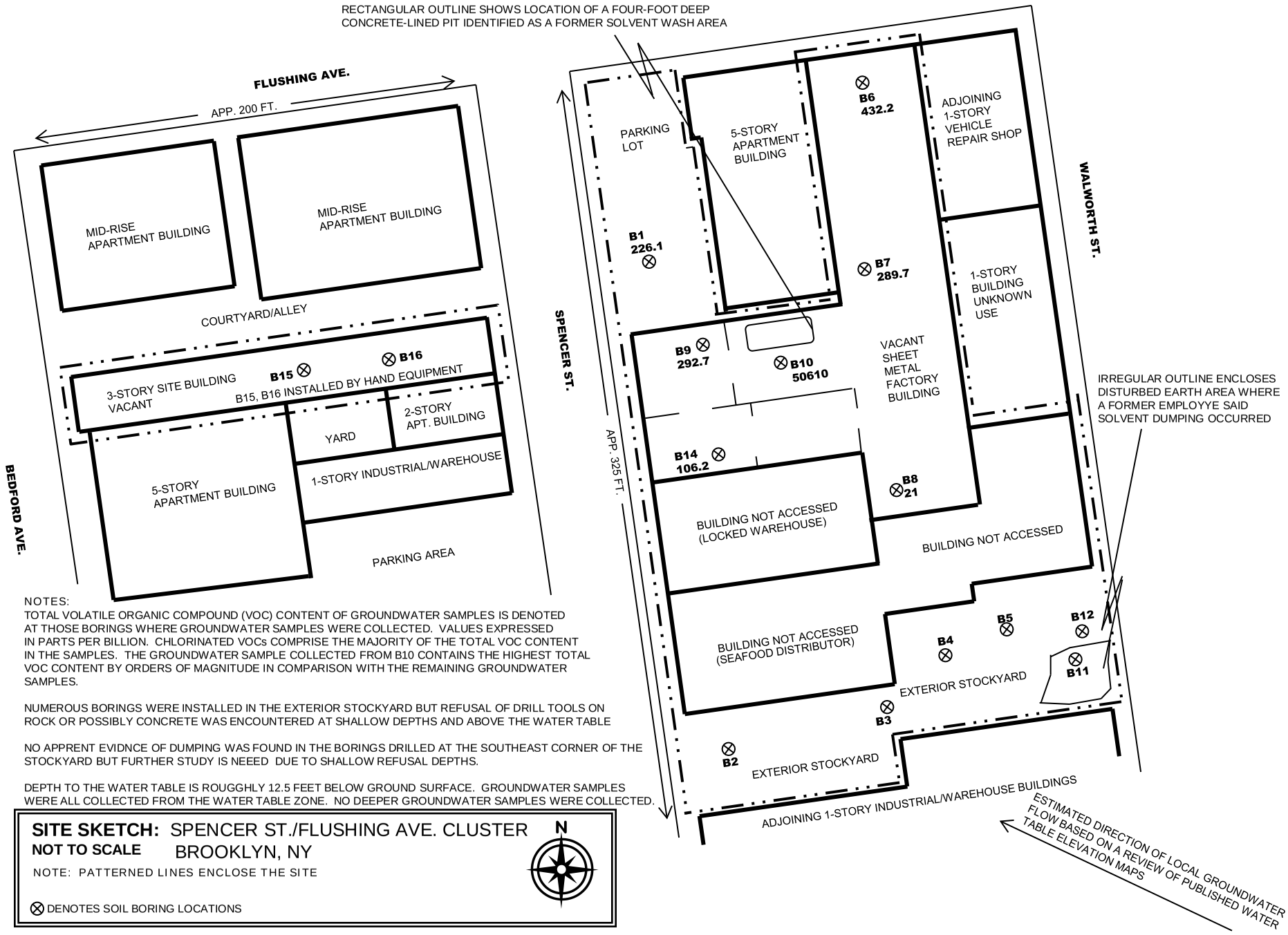
Fill material is present beneath the Site and laboratory analytical data shows that this material contains elevated levels of TAL Metals, SVOCs and PCBs/pesticides (PCBs and pesticides were detected at only slightly elevated concentrations). While these reported contaminant concentrations and contaminant types are common to urban fill, any future excavation activity will incur higher charges for special disposal. These higher charges could increase further if waste classification soil sampling and laboratory analysis identifies fill at certain areas as a hazardous waste, particularly in connection with certain elevated TAL Metal concentrations such as lead). In addition, any soil excavated from the Site that contains PCE concentrations greater than the Unrestricted Use SCO will also be classified as a hazardous waste.

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 designed 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 AND SITE PLAN

FIGURE 1: SITE LOCATION MAP **Contour Interval: 10'**	**Site Address:** **Spencer/Flushing Cluster** **Brooklyn, NY**
USGS 7.5" Quadrangle Map titled *Brooklyn, NY,* dated 1995	



NOTES:
TOTAL VOLATILE ORGANIC COMPOUND (VOC) CONTENT OF GROUNDWATER SAMPLES IS DENOTED AT THOSE BORINGS WHERE GROUNDWATER SAMPLES WERE COLLECTED. VALUES EXPRESSED IN PARTS PER BILLION. CHLORINATED VOCs COMPRISE THE MAJORITY OF THE TOTAL VOC CONTENT IN THE SAMPLES. THE GROUNDWATER SAMPLE COLLECTED FROM B10 CONTAINS THE HIGHEST TOTAL VOC CONTENT BY ORDERS OF MAGNITUDE IN COMPARISON WITH THE REMAINING GROUNDWATER SAMPLES.

NUMEROUS BORINGS WERE INSTALLED IN THE EXTERIOR STOCKYARD BUT REFUSAL OF DRILL TOOLS ON ROCK OR POSSIBLY CONCRETE WAS ENCOUNTERED AT SHALLOW DEPTHS AND ABOVE THE WATER TABLE

NO APPRENT EVIDNCE OF DUMPING WAS FOUND IN THE BORINGS DRILLED AT THE SOUTHEAST CORNER OF THE STOCKYARD BUT FURTHER STUDY IS NEEED DUE TO SHALLOW REFUSAL DEPTHS.

DEPTH TO THE WATER TABLE IS ROUGGHLY 12.5 FEET BELOW GROUND SURFACE. GROUNDWATER SAMPLES WERE ALL COLLECTED FROM THE WATER TABLE ZONE. NO DEEPER GROUNDWATER SAMPLES WERE COLLECTED.

SITE SKETCH: SPENCER ST./FLUSHING AVE. CLUSTER
NOT TO SCALE BROOKLYN, NY

NOTE: PATTERNED LINES ENCLOSE THE SITE

⊗ DENOTES SOIL BORING LOCATIONS

N

APPENDIX B:
SOIL BORING LOGS

MERRITT ENVIRONMENTAL CONSULTING CORP. 77 Arkay Dr., Suite D Hauppauge, NY 11788 631.617.3200		Boring No. **B1**
	Project Number: 2468	Boring location: **See site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: Spencer/Flushing Cluster Brooklyn, NY	
Groundwater Observations: Wet at 13'	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : **7/21/14** Date Complete : **7/21/14** 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	80% recovery. Sand/clay/cinder fill. Dry, no odor.
5'-10'						Dry	0.0 0.0	70% recovery. Brown medium sand with crushed rock. Dry, no odor.
10'-15'						Wet	0.0 0.0	30% recovery. Brown medium sand with crushed rock. No odor
15'-20'						Wet	0.0 0.0	40% recovery. Med. brown sand and crushed rock grading to coarse brown sand and gravel. No odor
								End of boring 20'.

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: 2468	Boring location: **See site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: Spencer/Flushing Cluster Brooklyn, NY	
Groundwater Observations: Wet at 13'	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : **7/21/14** Date Complete : **7/21/14** 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	60% recovery. Sand/clay/crushed brick fill to 2.5'. Med. brown sand a crushed rock 2.5'-5'.. Dry, no odor.
5'-10'						Dry	0.0 0.0	70% recovery. Brown medium sand minor crushed rock. Dry, no odor.
10'-15'						Wet	0.0 0.0	30% recovery. Brown medium sand with crushed rock. No odor
								End of boring 15'.

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: 2468	Boring location: **See site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: Spencer/Flushing Cluster Brooklyn, NY	
Groundwater Observations: None	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : **7/21/14** Date Complete : **7/21/14** 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. Wood/clay/sand/crushed brick fill to 4'. Med. brown sand and crushed rock 4'-5'. Dry, no odor.
5'-10'						Dry	0.0 0.0	70% recovery. Brown medium sand to 9'. Apparent rock/cobble layer encountered at 9'. Refusal at 10'. Dry, no odor.
								End of boring 10 ft.

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: 2468	Boring location: **See site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: Spencer/Flushing Cluster Brooklyn, NY	
Groundwater Observations: None	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : **7/21/14** Date Complete : **7/21/14** 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	90% recovery. Dark brown med. sand/clay fill to 4'. Med. sand some crushed rock 4'-5'. Dry, no odor.
5'-10'						Dry	0.0 0.0	70% recovery. Brown medium sand and crushed rock to 6'. Apparent rock/cobble layer encountered at 6'. Refusal at 6'. Dry, no odor.
								End of boring 6 ft.

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. **B5**
	Project Number: 2468	Boring location: **See site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: Spencer/Flushing Cluster Brooklyn, NY	
Groundwater Observations: None	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2” Hammer wt. N/A Hammer Fall: N/A	Date Start : **7/21/14** Date Complete : **7/21/14** 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	90% recovery. Black to dark brown med. sand/clay fill Dry, no odor.
							0.0	
5’-10’						Dry	0.0	70% recovery. Brown fine to med. sand to t 7’. Brown med. sand and crushed rock 7’-8’. Apparent rock/cobble layer encountered at 8’. Refusal at 8’. Dry, no odor.
							0.0	
								End of boring 8 ft.

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. **B6**
	Project Number: 2468	Boring location: **See site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: Spencer/Flushing Cluster Brooklyn, NY	
Groundwater Observations: Wet at 13'	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : **7/21/14** Date Complete : **7/21/14** 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	30% recovery. Dark brown sandy fill. Dry, no odor.
							0.0	
5'-10'						Dry	0.0	10% recovery. Crushed rock and brown coarse sand. Dry, no odor.
							0.0	
10'-15'						Wet	0.0	50% recovery. Wet med. brown sand to 12'. Broan med. sand and crushed rock 12'-15'. No odor
							0.0	
15'-20'						Wet	0.0	10% recovery. brown med. sand and crushed rock. No odor
							0.0	
								End of boring 20'.

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. **B7**
	Project Number: 2468	Boring location: **See site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: Spencer/Flushing Cluster Brooklyn, NY	
Groundwater Observations: Wet at 13'	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : **7/21/14** Date Complete : **7/21/14** 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	80% recovery. Dark brown sandy fill with possible ash. Dry, no odor.
							0.0	
5'-10'						Dry	0.0	80% recovery. Crushed rock and brown coarse sand grading to brown fine sand and silt. Dry, no odor.
							0.0	
10'-15'						Wet	0.0	35% recovery. Wet med. brown sand to 12'. Broan med. sand and crushed rock 12'-15'. No odor
							0.0	
15'-20'						Wet	0.0	50% recovery. Brown coarse sand and large gravel. No odor
							0.0	
								End of boring 20'.

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. **B8**
	Project Number: 2468	Boring location: **See site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: Spencer/Flushing Cluster Brooklyn, NY	
Groundwater Observations: Wet at 13.5'	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : **7/21/14** Date Complete : **7/21/14** 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	80% recovery. Sand/clay/ash/glass fragments to 3.5'. Med. brown sand 3.5'-5'. Dry, no odor.
5'-10'						Dry	0.0 0.0	80% recovery. Crushed rock and brown coarse sand. Dry, no odor.
10'-15'						Wet	0.0 0.0	70% recovery. Wet med. brown sand and crushed rock. No odor
15'-20'						Wet	0.0 0.0	20% recovery. brown med. sand and crushed rock. No odor
								End of boring 20'.

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. **B9**
	Project Number: 2468	Boring location: **See site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: Spencer/Flushing Cluster Brooklyn, NY	
Groundwater Observations: Wet at 13.5'	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : **7/21/14** Date Complete : **7/21/14** 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	30% recovery. Fine brown sand some silt/clay. Dry, no odor.
							0.0	
5'-10'						Dry	0.0	60% recovery. Med. brown sand minor gravel grading to fine brown sand, no odor.
							0.0	
10'-15'						Wet	0.0	100% recovery. Fine brown sand some silt No odor
							0.0	
15'-20'						Wet	0.0	10% recovery. Coarse brown sand and gravel. No odor
							0.0	
								End of boring 20'.

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. **B10**
	Project Number: 2468	Boring location: **See site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: Spencer/Flushing Cluster Brooklyn, NY	
Groundwater Observations: Wet at 13.5'	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : **7/21/14** Date Complete : **7/21/14** 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 7.2	40% recovery. Fine brown sand some minor silt. Dry, Solvent odor at bottom.
5'-10'						Dry	14 60	40% recovery. Med. brown sand and crushed rock. Solvent odor
10'-15'						Wet	36.9 480	100% recovery. Fine brown sand some silt grading to med. brown sand a crushed rock. Stromg solvent odor
15'-20'						Wet	110.2 7.2	15% recovery. Med. brown sand and crushed rock. Solvent odor
								End of boring 20'.

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. **B11**
	Project Number: 2468	Boring location: **Disturbed soil area. See site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: Spencer/Flushing Cluster Brooklyn, NY	
Groundwater Observations: None	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : **7/21/14** Date Complete : **7/21/14** 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	70% recovery. Dark brown med. sand/clay fill to 4'. Refusal at 4'. Dry, no odor.
							0.0	
								End of boring 4 ft.

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. **B12**
	Project Number: 2468	Boring location: **Disturbed soil area. See site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: Spencer/Flushing Cluster Brooklyn, NY	
Groundwater Observations: None	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : **7/21/14** Date Complete : **7/21/14** 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	70% recovery. Med./fine sand & clay fill to 4'. Refusal at 4'. Dry, no odor.
							0.0	
								End of boring 4 ft.

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. **B13**
	Project Number: 2468	Boring location: **See site plan**
Driller: **LEA** Geologist: **Frank Galdun**	Location: Spencer/Flushing Cluster Brooklyn, NY	
Groundwater Observations: Wet at 13'	Geoprobe with 5-foot casing sampler Type: Track-mounted Size I.D. 2" Hammer wt. N/A Hammer Fall: N/A	Date Start : **7/21/14** Date Complete : **7/21/14** 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	35% recovery. Sand/cinder/crushed rock fill. Dry, no odor.
							0.0	
5'-10'						Dry	0.0	Less than 10% recovery. Crushed rock and gravel. Dry, no odor.
							0.0	
10'-15'						Wet	0.0	20% recovery. Brown medium sand with crushed rock. Refusal at 13'. Wet at bottom.
							0.0	
								End of boring 13'. B14 installed adjacent to B13 to obtain a groundwater sample. B14 drilled directly to the water table with no soil 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

APPENDIX C:
LABORATORY ANALYTICAL DATA

HCV Report Of Analysis
DRAFT

Client: GFE LLC **HCV Project #:** 4071911

Project: Spencer/Flushing Cluster

Sample ID: B1 1'-5' **Collection Date: 7/21/2014**
Lab#: AC79929-001 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G **DRAFT**

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**84**

Cyanide (Soil/Waste) 9012B **DRAFT**

Analyte	DF	Units	RL	Result
Cyanide	1	mg/kg	0.29	ND

Mercury (Soil/Waste) 7471A **DRAFT**

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.099**	**1.8**

Organochlorine Pesticides 8081 **DRAFT**

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0060	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane	1	mg/kg	0.030	ND
delta-BHC	1	mg/kg	0.0060	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0060	ND
Endosulfan II	1	mg/kg	0.0060	ND
Endosulfan Sulfate	1	mg/kg	0.0060	ND
Endrin	1	mg/kg	0.0060	ND
Endrin Aldehyde	1	mg/kg	0.0060	ND
Endrin Ketone	1	mg/kg	0.0060	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0060	ND
Heptachlor Epoxide	1	mg/kg	0.0060	ND
Methoxychlor	1	mg/kg	0.0060	ND
p,p'-DDD	1	mg/kg	0.0030	ND
p,p'-DDE	1	mg/kg	0.0030	ND
p,p'-DDT	**1**	**mg/kg**	**0.0030**	**0.0036d**
Toxaphene	1	mg/kg	0.030	ND

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	**3**	**mg/kg**	**0.24**	**2.3**
Anthracene	**3**	**mg/kg**	**0.24**	**3.0**
Benzo[a]anthracene	**3**	**mg/kg**	**0.24**	**8.1**
Benzo[a]pyrene	**3**	**mg/kg**	**0.24**	**7.3**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.24**	**9.3**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.24**	**5.3**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.24**	**3.2**
Chrysene	**3**	**mg/kg**	**0.24**	**7.9**
Dibenzo[a,h]anthracene	**3**	**mg/kg**	**0.24**	**1.3**
Fluoranthene	**3**	**mg/kg**	**0.24**	**16**
Fluorene	**3**	**mg/kg**	**0.24**	**1.2**
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.24**	**4.7**
Naphthalene	**3**	**mg/kg**	**0.060**	**0.41**
Phenanthrene	**3**	**mg/kg**	**0.24**	**12**
Pyrene	**3**	**mg/kg**	**0.24**	**16**

Sample ID: B1 1'-5' **Collection Date: 7/21/2014**
Lab#: AC79929-001 **Receipt Date: 7/22/2014**
Matrix: Soil

PCB 8082 **DRAFT**

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.030**	**0.11**
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	**1**	**mg/kg**	**0.030**	**0.11**
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

TAL Metals 6020 **DRAFT**

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	0.95	ND
Beryllium	**1**	**mg/kg**	**0.24**	**0.43**
Cadmium	**1**	**mg/kg**	**0.48**	**4.7**
Selenium	1	mg/kg	2.4	ND
Silver	**1**	**mg/kg**	**0.24**	**0.39**

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.998	mg/kg	0.0024	ND
1,1,2,2-Tetrachloroethane	0.998	mg/kg	0.0024	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.998	mg/kg	0.0024	ND
1,1,2-Trichloroethane	0.998	mg/kg	0.0024	ND
1,1-Dichloroethane	0.998	mg/kg	0.0024	ND
1,1-Dichloroethene	0.998	mg/kg	0.0024	ND
1,2,3-Trichloropropane	0.998	mg/kg	0.0024	ND
1,2,4-Trimethylbenzene	0.998	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.998	mg/kg	0.0024	ND
1,2-Dichloroethane	0.998	mg/kg	0.0024	ND
1,2-Dichloropropane	0.998	mg/kg	0.0024	ND
1,3,5-Trimethylbenzene	0.998	mg/kg	0.0012	ND
1,3-Dichlorobenzene	0.998	mg/kg	0.0024	ND
1,3-Dichloropropane	0.998	mg/kg	0.0024	ND
1,4-Dichlorobenzene	0.998	mg/kg	0.0024	ND
1,4-Dioxane	0.998	mg/kg	0.12	ND
2-Butanone	0.998	mg/kg	0.0024	ND
2-Chloroethylvinylether	0.998	mg/kg	0.0024	ND
2-Hexanone	0.998	mg/kg	0.0024	ND
4-Isopropyltoluene	0.998	mg/kg	0.0012	ND
4-Methyl-2-pentanone	0.998	mg/kg	0.0024	ND
Acetone	0.998	mg/kg	0.012	ND
Benzene	0.998	mg/kg	0.0012	ND
Bromodichloromethane	0.998	mg/kg	0.0024	ND
Bromoform	0.998	mg/kg	0.0024	ND
Bromomethane	0.998	mg/kg	0.0024	ND
Carbon disulfide	0.998	mg/kg	0.0024	ND
Carbon tetrachloride	0.998	mg/kg	0.0024	ND
Chlorobenzene	0.998	mg/kg	0.0024	ND
Chloroethane	0.998	mg/kg	0.0024	ND
Chloroform	0.998	mg/kg	0.0024	ND
Chloromethane	0.998	mg/kg	0.0024	ND
cis-1,2-Dichloroethene	0.998	mg/kg	0.0024	ND
cis-1,3-Dichloropropene	0.998	mg/kg	0.0024	ND
Dibromochloromethane	0.998	mg/kg	0.0024	ND
Dichlorodifluoromethane	0.998	mg/kg	0.0024	ND
Ethylbenzene	0.998	mg/kg	0.0012	ND

Sample ID: B1 1'-5' **Collection Date: 7/21/2014**
Lab#: AC79929-001 **Receipt Date: 7/22/2014**
Matrix: Soil

Isopropylbenzene	0.998	mg/kg	0.0012	ND
m&p-Xylenes	0.998	mg/kg	0.0012	ND
Methylene chloride	0.998	mg/kg	0.0024	ND
Methyl-t-butyl ether	0.998	mg/kg	0.0012	ND
n-Butylbenzene	0.998	mg/kg	0.0012	ND
n-Propylbenzene	0.998	mg/kg	0.0012	ND
o-Xylene	0.998	mg/kg	0.0012	ND
sec-Butylbenzene	0.998	mg/kg	0.0012	ND
Styrene	0.998	mg/kg	0.0024	ND
t-Butyl Alcohol	0.998	mg/kg	0.012	ND
t-Butylbenzene	0.998	mg/kg	0.0012	ND
Tetrachloroethene	**0.998**	**mg/kg**	**0.0024**	**0.017**
Toluene	0.998	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.998	mg/kg	0.0024	ND
trans-1,3-Dichloropropene	0.998	mg/kg	0.0024	ND
Trichloroethene	**0.998**	**mg/kg**	**0.0024**	**0.021**
Trichlorofluoromethane	0.998	mg/kg	0.0024	ND
Vinyl chloride	0.998	mg/kg	0.0024	ND
Xylenes (Total)	0.998	mg/kg	0.0012	ND

Sample ID: B2 1'-3' **Collection Date: 7/21/2014**
Lab#: AC79929-002 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G **DRAFT**

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**91**

Cyanide (Soil/Waste) 9012B **DRAFT**

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

Mercury (Soil/Waste) 7471A **DRAFT**

Analyte	DF	Units	RL	Result
Mercury	**5**	**mg/kg**	**0.46**	**6.9**

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	**3**	**mg/kg**	**0.22**	**0.48**
Anthracene	**3**	**mg/kg**	**0.22**	**1.3**
Benzo[a]anthracene	**3**	**mg/kg**	**0.22**	**4.7**
Benzo[a]pyrene	**3**	**mg/kg**	**0.22**	**4.5**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.22**	**5.6**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.22**	**3.3**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.22**	**1.9**
Chrysene	**3**	**mg/kg**	**0.22**	**4.6**
Dibenzo[a,h]anthracene	**3**	**mg/kg**	**0.22**	**0.83**
Fluoranthene	**3**	**mg/kg**	**0.22**	**8.8**
Fluorene	**3**	**mg/kg**	**0.22**	**0.42**
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.22**	**2.7**
Naphthalene	**3**	**mg/kg**	**0.055**	**0.17**
Phenanthrene	**3**	**mg/kg**	**0.22**	**5.5**
Pyrene	**3**	**mg/kg**	**0.22**	**9.7**

TAL Metals 6020 **DRAFT**

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	0.88	ND
Beryllium	**1**	**mg/kg**	**0.22**	**0.27**
Cadmium	**1**	**mg/kg**	**0.44**	**0.66**
Selenium	1	mg/kg	2.2	ND
Silver	**1**	**mg/kg**	**0.22**	**12**

Sample ID: B2 1'-3'
Lab#: AC79929-002
Matrix: Soil

Collection Date: 7/21/2014
Receipt Date: 7/22/2014

Volatile Organics (no search) 8260

DRAFT

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	1	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	mg/kg	0.0022	ND
1,1,2-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
1,2,3-Trichloropropane	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
1,2-Dichloropropane	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
1,3-Dichloropropane	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
2-Chloroethylvinylether	1	mg/kg	0.0022	ND
2-Hexanone	1	mg/kg	0.0022	ND
4-Isopropyltoluene	1	mg/kg	0.0011	ND
4-Methyl-2-pentanone	1	mg/kg	0.0022	ND
Acetone	1	mg/kg	0.011	ND
Benzene	1	mg/kg	0.0011	ND
Bromodichloromethane	1	mg/kg	0.0022	ND
Bromoform	1	mg/kg	0.0022	ND
Bromomethane	1	mg/kg	0.0022	ND
Carbon disulfide	1	mg/kg	0.0022	ND
Carbon tetrachloride	1	mg/kg	0.0022	ND
Chlorobenzene	1	mg/kg	0.0022	ND
Chloroethane	1	mg/kg	0.0022	ND
Chloroform	1	mg/kg	0.0022	ND
Chloromethane	1	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	1	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	1	mg/kg	0.0022	ND
Dibromochloromethane	1	mg/kg	0.0022	ND
Dichlorodifluoromethane	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**	**0.0070**
Methyl-t-butyl ether	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
Styrene	1	mg/kg	0.0022	ND
t-Butyl Alcohol	1	mg/kg	0.011	ND
t-Butylbenzene	1	mg/kg	0.0011	ND
Tetrachloroethene	1	mg/kg	0.0022	ND
Toluene	1	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	1	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	1	mg/kg	0.0022	ND
Trichloroethene	1	mg/kg	0.0022	ND
Trichlorofluoromethane	1	mg/kg	0.0022	ND
Vinyl chloride	1	mg/kg	0.0022	ND
Xylenes (Total)	1	mg/kg	0.0011	ND

Sample ID: B3 8'-9' **Collection Date: 7/21/2014**
Lab#: AC79929-003 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G **DRAFT**

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**89**

Cyanide (Soil/Waste) 9012B **DRAFT**

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

Mercury (Soil/Waste) 7471A **DRAFT**

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.094**	**0.29**

Organochlorine Pesticides 8081 **DRAFT**

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0056	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	1	mg/kg	0.028	ND
delta-BHC	1	mg/kg	0.0056	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0056	ND
Endosulfan II	1	mg/kg	0.0056	ND
Endosulfan Sulfate	1	mg/kg	0.0056	ND
Endrin	1	mg/kg	0.0056	ND
Endrin Aldehyde	1	mg/kg	0.0056	ND
Endrin Ketone	1	mg/kg	0.0056	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0056	ND
Heptachlor Epoxide	1	mg/kg	0.0056	ND
Methoxychlor	1	mg/kg	0.0056	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
Toxaphene	1	mg/kg	0.028	ND

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	1	mg/kg	0.037	ND
Anthracene	1	mg/kg	0.037	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.037**	**0.060**
Benzo[a]pyrene	**1**	**mg/kg**	**0.037**	**0.052**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.037**	**0.092**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.0094**	**0.040**
Benzo[k]fluoranthene	1	mg/kg	0.037	ND
Chrysene	**1**	**mg/kg**	**0.037**	**0.073**
Dibenzo[a,h]anthracene	1	mg/kg	0.037	ND
Fluoranthene	**1**	**mg/kg**	**0.037**	**0.11**
Fluorene	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.037	ND
Naphthalene	1	mg/kg	0.0094	ND
Phenanthrene	**1**	**mg/kg**	**0.037**	**0.043**
Pyrene	**1**	**mg/kg**	**0.037**	**0.10**

PCB 8082 **DRAFT**

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

Sample ID: B3 8'-9' **Collection Date: 7/21/2014**
Lab#: AC79929-003 **Receipt Date: 7/22/2014**
Matrix: Soil

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 6020 **DRAFT**

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	0.90	ND
Beryllium	**1**	**mg/kg**	**0.22**	**0.31**
Cadmium	1	mg/kg	0.45	ND
Selenium	1	mg/kg	2.2	ND
Silver	**1**	**mg/kg**	**0.22**	**0.85**

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.992	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.992	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.992	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.992	mg/kg	0.0022	ND
1,1-Dichloroethane	0.992	mg/kg	0.0022	ND
1,1-Dichloroethene	0.992	mg/kg	0.0022	ND
1,2,3-Trichloropropane	0.992	mg/kg	0.0022	ND
1,2,4-Trimethylbenzene	0.992	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.992	mg/kg	0.0022	ND
1,2-Dichloroethane	0.992	mg/kg	0.0022	ND
1,2-Dichloropropane	0.992	mg/kg	0.0022	ND
1,3,5-Trimethylbenzene	0.992	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.992	mg/kg	0.0022	ND
1,3-Dichloropropane	0.992	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.992	mg/kg	0.0022	ND
1,4-Dioxane	0.992	mg/kg	0.11	ND
2-Butanone	0.992	mg/kg	0.0022	ND
2-Chloroethylvinylether	0.992	mg/kg	0.0022	ND
2-Hexanone	0.992	mg/kg	0.0022	ND
4-Isopropyltoluene	0.992	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.992	mg/kg	0.0022	ND
Acetone	0.992	mg/kg	0.011	ND
Benzene	0.992	mg/kg	0.0011	ND
Bromodichloromethane	0.992	mg/kg	0.0022	ND
Bromoform	0.992	mg/kg	0.0022	ND
Bromomethane	0.992	mg/kg	0.0022	ND
Carbon disulfide	0.992	mg/kg	0.0022	ND
Carbon tetrachloride	0.992	mg/kg	0.0022	ND
Chlorobenzene	0.992	mg/kg	0.0022	ND
Chloroethane	0.992	mg/kg	0.0022	ND
Chloroform	0.992	mg/kg	0.0022	ND
Chloromethane	0.992	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.992	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.992	mg/kg	0.0022	ND
Dibromochloromethane	0.992	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.992	mg/kg	0.0022	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	0.0022	ND
Methyl-t-butyl ether	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	0.0022	ND

Sample ID: B3 8'-9' **Collection Date: 7/21/2014**
Lab#: AC79929-003 **Receipt Date: 7/22/2014**
Matrix: Soil

t-Butyl Alcohol	0.992	mg/kg	0.011	ND
t-Butylbenzene	0.992	mg/kg	0.0011	ND
Tetrachloroethene	0.992	mg/kg	0.0022	ND
Toluene	0.992	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.992	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.992	mg/kg	0.0022	ND
Trichloroethene	0.992	mg/kg	0.0022	ND
Trichlorofluoromethane	0.992	mg/kg	0.0022	ND
Vinyl chloride	0.992	mg/kg	0.0022	ND
Xylenes (Total)	0.992	mg/kg	0.0011	ND

Sample ID: B5 2'-5' **Collection Date: 7/21/2014**
Lab#: AC79929-004 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G **DRAFT**

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**82**

Cyanide (Soil/Waste) 9012B **DRAFT**

Analyte	DF	Units	RL	Result
Cyanide	1	mg/kg	0.29	ND

Mercury (Soil/Waste) 7471A **DRAFT**

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.10**	**1.2**

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	**10**	**mg/kg**	**0.81**	**4.4**
Anthracene	**10**	**mg/kg**	**0.81**	**8.9**
Benzo[a]anthracene	**10**	**mg/kg**	**0.81**	**23**
Benzo[a]pyrene	**10**	**mg/kg**	**0.81**	**19**
Benzo[b]fluoranthene	**10**	**mg/kg**	**0.81**	**20**
Benzo[g,h,i]perylene	**10**	**mg/kg**	**0.81**	**11**
Benzo[k]fluoranthene	**10**	**mg/kg**	**0.81**	**7.0**
Chrysene	**10**	**mg/kg**	**0.81**	**25**
Dibenzo[a,h]anthracene	**10**	**mg/kg**	**0.81**	**2.9**
Fluoranthene	**10**	**mg/kg**	**0.81**	**41**
Fluorene	**10**	**mg/kg**	**0.81**	**4.3**
Indeno[1,2,3-cd]pyrene	**10**	**mg/kg**	**0.81**	**9.1**
Naphthalene	**10**	**mg/kg**	**0.20**	**2.4**
Phenanthrene	**10**	**mg/kg**	**0.81**	**50**
Pyrene	**10**	**mg/kg**	**0.81**	**58**

TAL Metals 6020 **DRAFT**

Analyte	DF	Units	RL	Result
Antimony	**1**	**mg/kg**	**0.98**	**1.1**
Beryllium	**1**	**mg/kg**	**0.24**	**0.44**
Cadmium	**1**	**mg/kg**	**0.49**	**2.0**
Selenium	1	mg/kg	2.4	ND
Silver	**1**	**mg/kg**	**0.24**	**1.7**

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	**1**	**mg/kg**	**0.0024**	**0.073**
1,1,2,2-Tetrachloroethane	1	mg/kg	0.0024	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	mg/kg	0.0024	ND
1,1,2-Trichloroethane	1	mg/kg	0.0024	ND
1,1-Dichloroethane	1	mg/kg	0.0024	ND
1,1-Dichloroethene	1	mg/kg	0.0024	ND
1,2,3-Trichloropropane	1	mg/kg	0.0024	ND

Sample ID: B5 2'-5' **Collection Date: 7/21/2014**
Lab#: AC79929-004 **Receipt Date: 7/22/2014**
Matrix: Soil

1,2,4-Trimethylbenzene	**1**	**mg/kg**	**0.0012**	**0.0094**
1,2-Dichlorobenzene	1	mg/kg	0.0024	ND
1,2-Dichloroethane	1	mg/kg	0.0024	ND
1,2-Dichloropropane	1	mg/kg	0.0024	ND
1,3,5-Trimethylbenzene	**1**	**mg/kg**	**0.0012**	**0.0043**
1,3-Dichlorobenzene	1	mg/kg	0.0024	ND
1,3-Dichloropropane	1	mg/kg	0.0024	ND
1,4-Dichlorobenzene	1	mg/kg	0.0024	ND
1,4-Dioxane	1	mg/kg	0.12	ND
2-Butanone	1	mg/kg	0.0024	ND
2-Chloroethylvinylether	1	mg/kg	0.0024	ND
2-Hexanone	1	mg/kg	0.0024	ND
4-Isopropyltoluene	1	mg/kg	0.0012	ND
4-Methyl-2-pentanone	1	mg/kg	0.0024	ND
Acetone	1	mg/kg	0.012	ND
Benzene	**1**	**mg/kg**	**0.0012**	**0.0020**
Bromodichloromethane	1	mg/kg	0.0024	ND
Bromoform	1	mg/kg	0.0024	ND
Bromomethane	1	mg/kg	0.0024	ND
Carbon disulfide	1	mg/kg	0.0024	ND
Carbon tetrachloride	1	mg/kg	0.0024	ND
Chlorobenzene	1	mg/kg	0.0024	ND
Chloroethane	1	mg/kg	0.0024	ND
Chloroform	1	mg/kg	0.0024	ND
Chloromethane	1	mg/kg	0.0024	ND
cis-1,2-Dichloroethene	1	mg/kg	0.0024	ND
cis-1,3-Dichloropropene	1	mg/kg	0.0024	ND
Dibromochloromethane	1	mg/kg	0.0024	ND
Dichlorodifluoromethane	1	mg/kg	0.0024	ND
Ethylbenzene	**1**	**mg/kg**	**0.0012**	**0.0014**
Isopropylbenzene	1	mg/kg	0.0012	ND
m&p-Xylenes	**1**	**mg/kg**	**0.0012**	**0.0061**
Methylene chloride	**1**	**mg/kg**	**0.0024**	**0.023**
Methyl-t-butyl ether	1	mg/kg	0.0012	ND
n-Butylbenzene	1	mg/kg	0.0012	ND
n-Propylbenzene	1	mg/kg	0.0012	ND
o-Xylene	**1**	**mg/kg**	**0.0012**	**0.0044**
sec-Butylbenzene	1	mg/kg	0.0012	ND
Styrene	1	mg/kg	0.0024	ND
t-Butyl Alcohol	1	mg/kg	0.012	ND
t-Butylbenzene	1	mg/kg	0.0012	ND
Tetrachloroethene	**1**	**mg/kg**	**0.0024**	**0.024**
Toluene	**1**	**mg/kg**	**0.0012**	**0.0030**
trans-1,2-Dichloroethene	1	mg/kg	0.0024	ND
trans-1,3-Dichloropropene	1	mg/kg	0.0024	ND
Trichloroethene	**1**	**mg/kg**	**0.0024**	**0.043**
Trichlorofluoromethane	1	mg/kg	0.0024	ND
Vinyl chloride	1	mg/kg	0.0024	ND
Xylenes (Total)	**1**	**mg/kg**	**0.0012**	**0.0105**

Sample ID: B6 1'-4' **Collection Date: 7/21/2014**
Lab#: AC79929-005 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G **DRAFT**

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

Cyanide (Soil/Waste) 9012B **DRAFT**

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

Sample ID: B6 1'-4' **Collection Date: 7/21/2014**
Lab#: AC79929-005 **Receipt Date: 7/22/2014**
Matrix: Soil

Mercury (Soil/Waste) 7471A **DRAFT**

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.090**	**0.19**

Organochlorine Pesticides 8081 **DRAFT**

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0054	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane	1	mg/kg	0.027	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
Endrin Aldehyde	1	mg/kg	0.0054	ND
Endrin Ketone	1	mg/kg	0.0054	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0054	ND
Heptachlor Epoxide	1	mg/kg	0.0054	ND
Methoxychlor	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
Toxaphene	1	mg/kg	0.027	ND

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	**1**	**mg/kg**	**0.036**	**0.042**
Anthracene	**1**	**mg/kg**	**0.036**	**0.097**
Benzo[a]anthracene	**1**	**mg/kg**	**0.036**	**0.35**
Benzo[a]pyrene	**1**	**mg/kg**	**0.036**	**0.31**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.036**	**0.40**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.0090**	**0.16**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.036**	**0.16**
Chrysene	**1**	**mg/kg**	**0.036**	**0.41**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.036**	**0.049**
Fluoranthene	**1**	**mg/kg**	**0.036**	**0.67**
Fluorene	**1**	**mg/kg**	**0.036**	**0.038**
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.036**	**0.15**
Naphthalene	**1**	**mg/kg**	**0.0090**	**0.021**
Phenanthrene	**1**	**mg/kg**	**0.036**	**0.57**
Pyrene	**1**	**mg/kg**	**0.036**	**0.71**

PCB 8082 **DRAFT**

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 6020 **DRAFT**

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	0.86	ND

Beryllium	**1**	**mg/kg**	**0.22**	**0.27**
Cadmium	1	mg/kg	0.43	ND
Selenium	1	mg/kg	2.2	ND
Silver	1	mg/kg	0.22	ND

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.996	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.996	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.996	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.996	mg/kg	0.0021	ND
1,1-Dichloroethane	0.996	mg/kg	0.0021	ND
1,1-Dichloroethene	0.996	mg/kg	0.0021	ND
1,2,3-Trichloropropane	0.996	mg/kg	0.0021	ND
1,2,4-Trimethylbenzene	0.996	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.996	mg/kg	0.0021	ND
1,2-Dichloroethane	0.996	mg/kg	0.0021	ND
1,2-Dichloropropane	0.996	mg/kg	0.0021	ND
1,3,5-Trimethylbenzene	0.996	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.996	mg/kg	0.0021	ND
1,3-Dichloropropane	0.996	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.996	mg/kg	0.0021	ND
1,4-Dioxane	0.996	mg/kg	0.11	ND
2-Butanone	0.996	mg/kg	0.0021	ND
2-Chloroethylvinylether	0.996	mg/kg	0.0021	ND
2-Hexanone	0.996	mg/kg	0.0021	ND
4-Isopropyltoluene	0.996	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.996	mg/kg	0.0021	ND
Acetone	0.996	mg/kg	0.011	ND
Benzene	0.996	mg/kg	0.0011	ND
Bromodichloromethane	0.996	mg/kg	0.0021	ND
Bromoform	0.996	mg/kg	0.0021	ND
Bromomethane	0.996	mg/kg	0.0021	ND
Carbon disulfide	0.996	mg/kg	0.0021	ND
Carbon tetrachloride	0.996	mg/kg	0.0021	ND
Chlorobenzene	0.996	mg/kg	0.0021	ND
Chloroethane	0.996	mg/kg	0.0021	ND
Chloroform	0.996	mg/kg	0.0021	ND
Chloromethane	0.996	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.996	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.996	mg/kg	0.0021	ND
Dibromochloromethane	0.996	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.996	mg/kg	0.0021	ND
Ethylbenzene	0.996	mg/kg	0.0011	ND
Isopropylbenzene	0.996	mg/kg	0.0011	ND
m&p-Xylenes	0.996	mg/kg	0.0011	ND
Methylene chloride	**0.996**	**mg/kg**	**0.0021**	**0.0052**
Methyl-t-butyl ether	0.996	mg/kg	0.0011	ND
n-Butylbenzene	0.996	mg/kg	0.0011	ND
n-Propylbenzene	0.996	mg/kg	0.0011	ND
o-Xylene	0.996	mg/kg	0.0011	ND
sec-Butylbenzene	0.996	mg/kg	0.0011	ND
Styrene	0.996	mg/kg	0.0021	ND
t-Butyl Alcohol	0.996	mg/kg	0.011	ND
t-Butylbenzene	0.996	mg/kg	0.0011	ND
Tetrachloroethene	**0.996**	**mg/kg**	**0.0021**	**0.021**
Toluene	0.996	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.996	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.996	mg/kg	0.0021	ND
Trichloroethene	**0.996**	**mg/kg**	**0.0021**	**0.034**
Trichlorofluoromethane	0.996	mg/kg	0.0021	ND

Sample ID: B6 1'-4' **Collection Date: 7/21/2014**
Lab#: AC79929-005 **Receipt Date: 7/22/2014**
Matrix: Soil

Vinyl chloride	0.996	mg/kg	0.0021	ND
Xylenes (Total)	0.996	mg/kg	0.0011	ND

Sample ID: B7 1'-4' **Collection Date: 7/21/2014**
Lab#: AC79929-006 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G **DRAFT**

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**90**

Cyanide (Soil/Waste) 9012B **DRAFT**

Analyte	DF	Units	RL	Result
Cyanide	**1**	**mg/kg**	**0.27**	**0.62**

Mercury (Soil/Waste) 7471A **DRAFT**

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.093**	**0.77**

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	**1**	**mg/kg**	**0.037**	**0.053**
Anthracene	**1**	**mg/kg**	**0.037**	**0.062**
Benzo[a]anthracene	**1**	**mg/kg**	**0.037**	**0.25**
Benzo[a]pyrene	**1**	**mg/kg**	**0.037**	**0.24**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.037**	**0.33**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.0093**	**0.13**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.037**	**0.12**
Chrysene	**1**	**mg/kg**	**0.037**	**0.28**
Dibenzo[a,h]anthracene	1	mg/kg	0.037	ND
Fluoranthene	**1**	**mg/kg**	**0.037**	**0.55**
Fluorene	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.037**	**0.13**
Naphthalene	**1**	**mg/kg**	**0.0093**	**0.047**
Phenanthrene	**1**	**mg/kg**	**0.037**	**0.41**
Pyrene	**1**	**mg/kg**	**0.037**	**0.51**

TAL Metals 6020 **DRAFT**

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	0.89	ND
Beryllium	**1**	**mg/kg**	**0.22**	**0.26**
Cadmium	1	mg/kg	0.44	ND
Selenium	1	mg/kg	2.2	ND
Silver	1	mg/kg	0.22	ND

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.994	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.994	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.994	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.994	mg/kg	0.0022	ND
1,1-Dichloroethane	0.994	mg/kg	0.0022	ND
1,1-Dichloroethene	0.994	mg/kg	0.0022	ND
1,2,3-Trichloropropane	0.994	mg/kg	0.0022	ND
1,2,4-Trimethylbenzene	0.994	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.994	mg/kg	0.0022	ND
1,2-Dichloroethane	0.994	mg/kg	0.0022	ND
1,2-Dichloropropane	0.994	mg/kg	0.0022	ND
1,3,5-Trimethylbenzene	0.994	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.994	mg/kg	0.0022	ND
1,3-Dichloropropane	0.994	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.994	mg/kg	0.0022	ND

Sample ID: B7 1'-4' **Collection Date: 7/21/2014**
Lab#: AC79929-006 **Receipt Date: 7/22/2014**
Matrix: Soil

1,4-Dioxane	0.994	mg/kg	0.11	ND
2-Butanone	0.994	mg/kg	0.0022	ND
2-Chloroethylvinylether	0.994	mg/kg	0.0022	ND
2-Hexanone	0.994	mg/kg	0.0022	ND
4-Isopropyltoluene	0.994	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.994	mg/kg	0.0022	ND
Acetone	0.994	mg/kg	0.011	ND
Benzene	**0.994**	**mg/kg**	**0.0011**	**0.0020**
Bromodichloromethane	0.994	mg/kg	0.0022	ND
Bromoform	0.994	mg/kg	0.0022	ND
Bromomethane	0.994	mg/kg	0.0022	ND
Carbon disulfide	0.994	mg/kg	0.0022	ND
Carbon tetrachloride	0.994	mg/kg	0.0022	ND
Chlorobenzene	0.994	mg/kg	0.0022	ND
Chloroethane	0.994	mg/kg	0.0022	ND
Chloroform	0.994	mg/kg	0.0022	ND
Chloromethane	0.994	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	**0.994**	**mg/kg**	**0.0022**	**0.013**
cis-1,3-Dichloropropene	0.994	mg/kg	0.0022	ND
Dibromochloromethane	0.994	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.994	mg/kg	0.0022	ND
Ethylbenzene	0.994	mg/kg	0.0011	ND
Isopropylbenzene	0.994	mg/kg	0.0011	ND
m&p-Xylenes	0.994	mg/kg	0.0011	ND
Methylene chloride	**0.994**	**mg/kg**	**0.0022**	**0.011**
Methyl-t-butyl ether	0.994	mg/kg	0.0011	ND
n-Butylbenzene	0.994	mg/kg	0.0011	ND
n-Propylbenzene	0.994	mg/kg	0.0011	ND
o-Xylene	0.994	mg/kg	0.0011	ND
sec-Butylbenzene	0.994	mg/kg	0.0011	ND
Styrene	0.994	mg/kg	0.0022	ND
t-Butyl Alcohol	0.994	mg/kg	0.011	ND
t-Butylbenzene	0.994	mg/kg	0.0011	ND
Tetrachloroethene	**0.994**	**mg/kg**	**0.0022**	**0.076**
Toluene	0.994	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.994	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.994	mg/kg	0.0022	ND
Trichloroethene	**0.994**	**mg/kg**	**0.0022**	**0.12**
Trichlorofluoromethane	0.994	mg/kg	0.0022	ND
Vinyl chloride	0.994	mg/kg	0.0022	ND
Xylenes (Total)	0.994	mg/kg	0.0011	ND

Sample ID: B8 1'-3' **Collection Date: 7/21/2014**
Lab#: AC79929-007 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G **DRAFT**

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**86**

Cyanide (Soil/Waste) 9012B **DRAFT**

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

Mercury (Soil/Waste) 7471A **DRAFT**

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.097**	**1.1**

Organochlorine Pesticides 8081 **DRAFT**

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0058	ND

Sample ID: B8 1'-3' **Collection Date: 7/21/2014**
Lab#: AC79929-007 **Receipt Date: 7/22/2014**
Matrix: Soil

Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane	1	mg/kg	0.029	ND
delta-BHC	1	mg/kg	0.0058	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0058	ND
Endosulfan II	1	mg/kg	0.0058	ND
Endosulfan Sulfate	1	mg/kg	0.0058	ND
Endrin	1	mg/kg	0.0058	ND
Endrin Aldehyde	1	mg/kg	0.0058	ND
Endrin Ketone	1	mg/kg	0.0058	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0058	ND
Heptachlor Epoxide	1	mg/kg	0.0058	ND
Methoxychlor	1	mg/kg	0.0058	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
Toxaphene	1	mg/kg	0.029	ND

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	**3**	**mg/kg**	**0.12**	**1.1**
Anthracene	**3**	**mg/kg**	**0.12**	**1.7**
Benzo[a]anthracene	**3**	**mg/kg**	**0.12**	**2.7**
Benzo[a]pyrene	**3**	**mg/kg**	**0.12**	**2.0**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.12**	**2.5**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.12**	**1.2**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.12**	**0.81**
Chrysene	**3**	**mg/kg**	**0.12**	**2.5**
Dibenzo[a,h]anthracene	**3**	**mg/kg**	**0.12**	**0.35**
Fluoranthene	**3**	**mg/kg**	**0.12**	**5.7**
Fluorene	**3**	**mg/kg**	**0.12**	**0.64**
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.12**	**1.1**
Naphthalene	**3**	**mg/kg**	**0.029**	**0.89**
Phenanthrene	**3**	**mg/kg**	**0.12**	**7.5**
Pyrene	**3**	**mg/kg**	**0.12**	**5.9**

PCB 8082 **DRAFT**

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

TAL Metals 6020 **DRAFT**

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	0.93	ND
Beryllium	**1**	**mg/kg**	**0.23**	**0.38**
Cadmium	1	mg/kg	0.47	ND
Selenium	1	mg/kg	2.3	ND
Silver	1	mg/kg	0.23	ND

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	mg/kg	0.0023	ND

Sample ID: B8 1'-3' **Collection Date: 7/21/2014**
Lab#: AC79929-007 **Receipt Date: 7/22/2014**
Matrix: Soil

1,1,2,2-Tetrachloroethane	1	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	mg/kg	0.0023	ND
1,1,2-Trichloroethane	1	mg/kg	0.0023	ND
1,1-Dichloroethane	1	mg/kg	0.0023	ND
1,1-Dichloroethene	1	mg/kg	0.0023	ND
1,2,3-Trichloropropane	1	mg/kg	0.0023	ND
1,2,4-Trimethylbenzene	1	mg/kg	0.0012	ND
1,2-Dichlorobenzene	1	mg/kg	0.0023	ND
1,2-Dichloroethane	1	mg/kg	0.0023	ND
1,2-Dichloropropane	1	mg/kg	0.0023	ND
1,3,5-Trimethylbenzene	1	mg/kg	0.0012	ND
1,3-Dichlorobenzene	1	mg/kg	0.0023	ND
1,3-Dichloropropane	1	mg/kg	0.0023	ND
1,4-Dichlorobenzene	1	mg/kg	0.0023	ND
1,4-Dioxane	1	mg/kg	0.12	ND
2-Butanone	1	mg/kg	0.0023	ND
2-Chloroethylvinylether	1	mg/kg	0.0023	ND
2-Hexanone	1	mg/kg	0.0023	ND
4-Isopropyltoluene	1	mg/kg	0.0012	ND
4-Methyl-2-pentanone	1	mg/kg	0.0023	ND
Acetone	1	mg/kg	0.012	ND
Benzene	**1**	**mg/kg**	**0.0012**	**0.0013**
Bromodichloromethane	1	mg/kg	0.0023	ND
Bromoform	1	mg/kg	0.0023	ND
Bromomethane	1	mg/kg	0.0023	ND
Carbon disulfide	1	mg/kg	0.0023	ND
Carbon tetrachloride	1	mg/kg	0.0023	ND
Chlorobenzene	1	mg/kg	0.0023	ND
Chloroethane	1	mg/kg	0.0023	ND
Chloroform	1	mg/kg	0.0023	ND
Chloromethane	1	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	1	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	1	mg/kg	0.0023	ND
Dibromochloromethane	1	mg/kg	0.0023	ND
Dichlorodifluoromethane	1	mg/kg	0.0023	ND
Ethylbenzene	1	mg/kg	0.0012	ND
Isopropylbenzene	1	mg/kg	0.0012	ND
m&p-Xylenes	**1**	**mg/kg**	**0.0012**	**0.0022**
Methylene chloride	1	mg/kg	0.0023	ND
Methyl-t-butyl ether	1	mg/kg	0.0012	ND
n-Butylbenzene	1	mg/kg	0.0012	ND
n-Propylbenzene	1	mg/kg	0.0012	ND
o-Xylene	1	mg/kg	0.0012	ND
sec-Butylbenzene	1	mg/kg	0.0012	ND
Styrene	1	mg/kg	0.0023	ND
t-Butyl Alcohol	1	mg/kg	0.012	ND
t-Butylbenzene	1	mg/kg	0.0012	ND
Tetrachloroethene	**1**	**mg/kg**	**0.0023**	**0.0028**
Toluene	**1**	**mg/kg**	**0.0012**	**0.0017**
trans-1,2-Dichloroethene	1	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	1	mg/kg	0.0023	ND
Trichloroethene	**1**	**mg/kg**	**0.0023**	**0.0049**
Trichlorofluoromethane	1	mg/kg	0.0023	ND
Vinyl chloride	1	mg/kg	0.0023	ND
Xylenes (Total)	**1**	**mg/kg**	**0.0012**	**0.0022**

Sample ID: B9 5'-7' **Collection Date: 7/21/2014**
Lab#: AC79929-008 **Receipt Date: 7/22/2014**
Matrix: Soil

Sample ID: B9 5'-7' **Collection Date: 7/21/2014**
Lab#: AC79929-008 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G **DRAFT**

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**84**

Cyanide (Soil/Waste) 9012B **DRAFT**

Analyte	DF	Units	RL	Result
Cyanide	1	mg/kg	0.29	ND

Mercury (Soil/Waste) 7471A **DRAFT**

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.099**	**0.10**

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	1	mg/kg	0.040	ND
Anthracene	1	mg/kg	0.040	ND
Benzo[a]anthracene	1	mg/kg	0.040	ND
Benzo[a]pyrene	1	mg/kg	0.040	ND
Benzo[b]fluoranthene	1	mg/kg	0.040	ND
Benzo[g,h,i]perylene	1	mg/kg	0.0099	ND
Benzo[k]fluoranthene	1	mg/kg	0.040	ND
Chrysene	1	mg/kg	0.040	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.040	ND
Fluoranthene	1	mg/kg	0.040	ND
Fluorene	1	mg/kg	0.040	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.040	ND
Naphthalene	1	mg/kg	0.0099	ND
Phenanthrene	1	mg/kg	0.040	ND
Pyrene	1	mg/kg	0.040	ND

TAL Metals 6020 **DRAFT**

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	0.95	ND
Beryllium	**1**	**mg/kg**	**0.24**	**0.30**
Cadmium	1	mg/kg	0.48	ND
Selenium	1	mg/kg	2.4	ND
Silver	1	mg/kg	0.24	ND

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.901	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.901	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.901	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.901	mg/kg	0.0021	ND
1,1-Dichloroethane	0.901	mg/kg	0.0021	ND
1,1-Dichloroethene	0.901	mg/kg	0.0021	ND
1,2,3-Trichloropropane	0.901	mg/kg	0.0021	ND
1,2,4-Trimethylbenzene	0.901	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.901	mg/kg	0.0021	ND
1,2-Dichloroethane	0.901	mg/kg	0.0021	ND
1,2-Dichloropropane	0.901	mg/kg	0.0021	ND
1,3,5-Trimethylbenzene	0.901	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.901	mg/kg	0.0021	ND
1,3-Dichloropropane	0.901	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.901	mg/kg	0.0021	ND
1,4-Dioxane	0.901	mg/kg	0.11	ND
2-Butanone	0.901	mg/kg	0.0021	ND
2-Chloroethylvinylether	0.901	mg/kg	0.0021	ND
2-Hexanone	0.901	mg/kg	0.0021	ND
4-Isopropyltoluene	0.901	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.901	mg/kg	0.0021	ND

Sample ID: B9 5'-7' **Collection Date: 7/21/2014**
Lab#: AC79929-008 **Receipt Date: 7/22/2014**
Matrix: Soil

Acetone	0.901	mg/kg	0.011	ND
Benzene	0.901	mg/kg	0.0011	ND
Bromodichloromethane	0.901	mg/kg	0.0021	ND
Bromoform	0.901	mg/kg	0.0021	ND
Bromomethane	0.901	mg/kg	0.0021	ND
Carbon disulfide	0.901	mg/kg	0.0021	ND
Carbon tetrachloride	0.901	mg/kg	0.0021	ND
Chlorobenzene	0.901	mg/kg	0.0021	ND
Chloroethane	0.901	mg/kg	0.0021	ND
Chloroform	0.901	mg/kg	0.0021	ND
Chloromethane	0.901	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.901	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.901	mg/kg	0.0021	ND
Dibromochloromethane	0.901	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.901	mg/kg	0.0021	ND
Ethylbenzene	0.901	mg/kg	0.0011	ND
Isopropylbenzene	0.901	mg/kg	0.0011	ND
m&p-Xylenes	0.901	mg/kg	0.0011	ND
Methylene chloride	0.901	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.901	mg/kg	0.0011	ND
n-Butylbenzene	0.901	mg/kg	0.0011	ND
n-Propylbenzene	0.901	mg/kg	0.0011	ND
o-Xylene	0.901	mg/kg	0.0011	ND
sec-Butylbenzene	0.901	mg/kg	0.0011	ND
Styrene	0.901	mg/kg	0.0021	ND
t-Butyl Alcohol	0.901	mg/kg	0.011	ND
t-Butylbenzene	0.901	mg/kg	0.0011	ND
Tetrachloroethene	0.901	mg/kg	0.0021	ND
Toluene	0.901	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.901	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.901	mg/kg	0.0021	ND
Trichloroethene	0.901	mg/kg	0.0021	ND
Trichlorofluoromethane	0.901	mg/kg	0.0021	ND
Vinyl chloride	0.901	mg/kg	0.0021	ND
Xylenes (Total)	0.901	mg/kg	0.0011	ND

Sample ID: B10 4'-5' **Collection Date: 7/21/2014**
Lab#: AC79929-009 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G **DRAFT**

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

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	1	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	mg/kg	0.0022	ND
1,1,2-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
1,2,3-Trichloropropane	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
1,2-Dichloropropane	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
1,3-Dichloropropane	1	mg/kg	0.0022	ND
1,4-Dichlorobenzene	1	mg/kg	0.0022	ND

Sample ID: B10 4'-5' **Collection Date: 7/21/2014**
Lab#: AC79929-009 **Receipt Date: 7/22/2014**
Matrix: Soil

1,4-Dioxane	1	mg/kg	0.11	ND
2-Butanone	1	mg/kg	0.0022	ND
2-Chloroethylvinylether	1	mg/kg	0.0022	ND
2-Hexanone	1	mg/kg	0.0022	ND
4-Isopropyltoluene	1	mg/kg	0.0011	ND
4-Methyl-2-pentanone	1	mg/kg	0.0022	ND
Acetone	1	mg/kg	0.011	ND
Benzene	**1**	**mg/kg**	**0.0011**	**0.0019**
Bromodichloromethane	1	mg/kg	0.0022	ND
Bromoform	1	mg/kg	0.0022	ND
Bromomethane	1	mg/kg	0.0022	ND
Carbon disulfide	1	mg/kg	0.0022	ND
Carbon tetrachloride	1	mg/kg	0.0022	ND
Chlorobenzene	1	mg/kg	0.0022	ND
Chloroethane	1	mg/kg	0.0022	ND
Chloroform	1	mg/kg	0.0022	ND
Chloromethane	1	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	1	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	1	mg/kg	0.0022	ND
Dibromochloromethane	1	mg/kg	0.0022	ND
Dichlorodifluoromethane	1	mg/kg	0.0022	ND
Ethylbenzene	**1**	**mg/kg**	**0.0011**	**0.0015**
Isopropylbenzene	1	mg/kg	0.0011	ND
m&p-Xylenes	**1**	**mg/kg**	**0.0011**	**0.0034**
Methylene chloride	1	mg/kg	0.0022	ND
Methyl-t-butyl ether	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
Styrene	1	mg/kg	0.0022	ND
t-Butyl Alcohol	1	mg/kg	0.011	ND
t-Butylbenzene	1	mg/kg	0.0011	ND
Tetrachloroethene	**1**	**mg/kg**	**0.0022**	**0.29**
Toluene	**1**	**mg/kg**	**0.0011**	**0.0024**
trans-1,2-Dichloroethene	1	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	1	mg/kg	0.0022	ND
Trichloroethene	**1**	**mg/kg**	**0.0022**	**0.010**
Trichlorofluoromethane	1	mg/kg	0.0022	ND
Vinyl chloride	1	mg/kg	0.0022	ND
Xylenes (Total)	**1**	**mg/kg**	**0.0011**	**0.0034**

Sample ID: B10 9'-10' **Collection Date: 7/21/2014**
Lab#: AC79929-010 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G **DRAFT**

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**85**

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	200	mg/kg	0.23	ND
1,1,2,2-Tetrachloroethane	200	mg/kg	0.23	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	200	mg/kg	0.23	ND
1,1,2-Trichloroethane	200	mg/kg	0.23	ND
1,1-Dichloroethane	200	mg/kg	0.23	ND
1,1-Dichloroethene	200	mg/kg	0.23	ND
1,2,3-Trichloropropane	200	mg/kg	0.23	ND
1,2,4-Trimethylbenzene	200	mg/kg	0.23	ND
1,2-Dichlorobenzene	200	mg/kg	0.23	ND

Sample ID: B10 9'-10' **Collection Date: 7/21/2014**
Lab#: AC79929-010 **Receipt Date: 7/22/2014**
Matrix: Soil

1,2-Dichloroethane	200	mg/kg	0.12	ND
1,2-Dichloropropane	200	mg/kg	0.23	ND
1,3,5-Trimethylbenzene	200	mg/kg	0.23	ND
1,3-Dichlorobenzene	200	mg/kg	0.23	ND
1,3-Dichloropropane	200	mg/kg	0.23	ND
1,4-Dichlorobenzene	200	mg/kg	0.23	ND
1,4-Dioxane	200	mg/kg	12	ND
2-Butanone	200	mg/kg	0.23	ND
2-Chloroethylvinylether	200	mg/kg	0.23	ND
2-Hexanone	200	mg/kg	0.23	ND
4-Isopropyltoluene	200	mg/kg	0.23	ND
4-Methyl-2-pentanone	200	mg/kg	0.23	ND
Acetone	200	mg/kg	2.3	ND
Benzene	200	mg/kg	0.12	ND
Bromodichloromethane	200	mg/kg	0.23	ND
Bromoform	200	mg/kg	0.23	ND
Bromomethane	200	mg/kg	0.23	ND
Carbon disulfide	200	mg/kg	0.23	ND
Carbon tetrachloride	200	mg/kg	0.23	ND
Chlorobenzene	200	mg/kg	0.23	ND
Chloroethane	200	mg/kg	0.23	ND
Chloroform	200	mg/kg	0.23	ND
Chloromethane	200	mg/kg	0.23	ND
cis-1,2-Dichloroethene	200	mg/kg	0.23	ND
cis-1,3-Dichloropropene	200	mg/kg	0.23	ND
Dibromochloromethane	200	mg/kg	0.23	ND
Dichlorodifluoromethane	200	mg/kg	0.23	ND
Ethylbenzene	200	mg/kg	0.23	ND
Isopropylbenzene	200	mg/kg	0.23	ND
m&p-Xylenes	200	mg/kg	0.23	ND
Methylene chloride	200	mg/kg	0.23	ND
Methyl-t-butyl ether	200	mg/kg	0.12	ND
n-Butylbenzene	200	mg/kg	0.23	ND
n-Propylbenzene	200	mg/kg	0.23	ND
o-Xylene	200	mg/kg	0.23	ND
sec-Butylbenzene	200	mg/kg	0.23	ND
Styrene	200	mg/kg	0.23	ND
t-Butyl Alcohol	200	mg/kg	1.2	ND
t-Butylbenzene	200	mg/kg	0.23	ND
Tetrachloroethene	**200**	**mg/kg**	**0.23**	**32**
Toluene	200	mg/kg	0.23	ND
trans-1,2-Dichloroethene	200	mg/kg	0.23	ND
trans-1,3-Dichloropropene	200	mg/kg	0.23	ND
Trichloroethene	**200**	**mg/kg**	**0.23**	**0.25**
Trichlorofluoromethane	200	mg/kg	0.23	ND
Vinyl chloride	200	mg/kg	0.23	ND
Xylenes (Total)	200	mg/kg	0.23	ND

Sample ID: B11 3.5'-4' **Collection Date: 7/21/2014**
Lab#: AC79929-011 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G **DRAFT**

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**90**

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.992	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.992	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.992	mg/kg	0.0022	ND

Sample ID: B11 3.5'-4' **Collection Date: 7/21/2014**
Lab#: AC79929-011 **Receipt Date: 7/22/2014**
Matrix: Soil

1,1,2-Trichloroethane	0.992	mg/kg	0.0022	ND
1,1-Dichloroethane	0.992	mg/kg	0.0022	ND
1,1-Dichloroethene	0.992	mg/kg	0.0022	ND
1,2,3-Trichloropropane	0.992	mg/kg	0.0022	ND
1,2,4-Trimethylbenzene	0.992	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.992	mg/kg	0.0022	ND
1,2-Dichloroethane	0.992	mg/kg	0.0022	ND
1,2-Dichloropropane	0.992	mg/kg	0.0022	ND
1,3,5-Trimethylbenzene	0.992	mg/kg	0.0011	ND
1,3-Dichlorobenzene	0.992	mg/kg	0.0022	ND
1,3-Dichloropropane	0.992	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.992	mg/kg	0.0022	ND
1,4-Dioxane	0.992	mg/kg	0.11	ND
2-Butanone	0.992	mg/kg	0.0022	ND
2-Chloroethylvinylether	0.992	mg/kg	0.0022	ND
2-Hexanone	0.992	mg/kg	0.0022	ND
4-Isopropyltoluene	0.992	mg/kg	0.0011	ND
4-Methyl-2-pentanone	0.992	mg/kg	0.0022	ND
Acetone	0.992	mg/kg	0.011	ND
Benzene	0.992	mg/kg	0.0011	ND
Bromodichloromethane	0.992	mg/kg	0.0022	ND
Bromoform	0.992	mg/kg	0.0022	ND
Bromomethane	0.992	mg/kg	0.0022	ND
Carbon disulfide	0.992	mg/kg	0.0022	ND
Carbon tetrachloride	0.992	mg/kg	0.0022	ND
Chlorobenzene	0.992	mg/kg	0.0022	ND
Chloroethane	0.992	mg/kg	0.0022	ND
Chloroform	0.992	mg/kg	0.0022	ND
Chloromethane	0.992	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.992	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.992	mg/kg	0.0022	ND
Dibromochloromethane	0.992	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.992	mg/kg	0.0022	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	0.0022	ND
Methyl-t-butyl ether	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	0.0022	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	0.0022	ND
Toluene	0.992	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.992	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.992	mg/kg	0.0022	ND
Trichloroethene	0.992	mg/kg	0.0022	ND
Trichlorofluoromethane	0.992	mg/kg	0.0022	ND
Vinyl chloride	0.992	mg/kg	0.0022	ND
Xylenes (Total)	0.992	mg/kg	0.0011	ND

Sample ID: B12 3.5'-4' **Collection Date: 7/21/2014**
Lab#: AC79929-012 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G

DRAFT

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**85**

Sample ID: B12 3.5'-4' **Collection Date: 7/21/2014**
Lab#: AC79929-012 **Receipt Date: 7/22/2014**
Matrix: Soil

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.996	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.996	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.996	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.996	mg/kg	0.0023	ND
1,1-Dichloroethane	0.996	mg/kg	0.0023	ND
1,1-Dichloroethene	0.996	mg/kg	0.0023	ND
1,2,3-Trichloropropane	0.996	mg/kg	0.0023	ND
1,2,4-Trimethylbenzene	0.996	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.996	mg/kg	0.0023	ND
1,2-Dichloroethane	0.996	mg/kg	0.0023	ND
1,2-Dichloropropane	0.996	mg/kg	0.0023	ND
1,3,5-Trimethylbenzene	0.996	mg/kg	0.0012	ND
1,3-Dichlorobenzene	0.996	mg/kg	0.0023	ND
1,3-Dichloropropane	0.996	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.996	mg/kg	0.0023	ND
1,4-Dioxane	0.996	mg/kg	0.12	ND
2-Butanone	0.996	mg/kg	0.0023	ND
2-Chloroethylvinylether	0.996	mg/kg	0.0023	ND
2-Hexanone	0.996	mg/kg	0.0023	ND
4-Isopropyltoluene	0.996	mg/kg	0.0012	ND
4-Methyl-2-pentanone	0.996	mg/kg	0.0023	ND
Acetone	0.996	mg/kg	0.012	ND
Benzene	**0.996**	**mg/kg**	**0.0012**	**0.0019**
Bromodichloromethane	0.996	mg/kg	0.0023	ND
Bromoform	0.996	mg/kg	0.0023	ND
Bromomethane	0.996	mg/kg	0.0023	ND
Carbon disulfide	0.996	mg/kg	0.0023	ND
Carbon tetrachloride	0.996	mg/kg	0.0023	ND
Chlorobenzene	0.996	mg/kg	0.0023	ND
Chloroethane	0.996	mg/kg	0.0023	ND
Chloroform	0.996	mg/kg	0.0023	ND
Chloromethane	0.996	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.996	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.996	mg/kg	0.0023	ND
Dibromochloromethane	0.996	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.996	mg/kg	0.0023	ND
Ethylbenzene	**0.996**	**mg/kg**	**0.0012**	**0.0014**
Isopropylbenzene	0.996	mg/kg	0.0012	ND
m&p-Xylenes	**0.996**	**mg/kg**	**0.0012**	**0.0027**
Methylene chloride	0.996	mg/kg	0.0023	ND
Methyl-t-butyl ether	0.996	mg/kg	0.0012	ND
n-Butylbenzene	0.996	mg/kg	0.0012	ND
n-Propylbenzene	0.996	mg/kg	0.0012	ND
o-Xylene	0.996	mg/kg	0.0012	ND
sec-Butylbenzene	0.996	mg/kg	0.0012	ND
Styrene	0.996	mg/kg	0.0023	ND
t-Butyl Alcohol	0.996	mg/kg	0.012	ND
t-Butylbenzene	0.996	mg/kg	0.0012	ND
Tetrachloroethene	0.996	mg/kg	0.0023	ND
Toluene	0.996	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.996	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.996	mg/kg	0.0023	ND
Trichloroethene	0.996	mg/kg	0.0023	ND
Trichlorofluoromethane	0.996	mg/kg	0.0023	ND
Vinyl chloride	0.996	mg/kg	0.0023	ND
Xylenes (Total)	**0.996**	**mg/kg**	**0.0012**	**0.0027**

Sample ID: B13 11'-12' **Collection Date: 7/21/2014**
Lab#: AC79929-013 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G **DRAFT**

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

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	1	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	mg/kg	0.0022	ND
1,1,2-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
1,2,3-Trichloropropane	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
1,2-Dichloropropane	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
1,3-Dichloropropane	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
2-Chloroethylvinylether	1	mg/kg	0.0022	ND
2-Hexanone	1	mg/kg	0.0022	ND
4-Isopropyltoluene	1	mg/kg	0.0011	ND
4-Methyl-2-pentanone	1	mg/kg	0.0022	ND
Acetone	1	mg/kg	0.011	ND
Benzene	1	mg/kg	0.0011	ND
Bromodichloromethane	1	mg/kg	0.0022	ND
Bromoform	1	mg/kg	0.0022	ND
Bromomethane	1	mg/kg	0.0022	ND
Carbon disulfide	1	mg/kg	0.0022	ND
Carbon tetrachloride	1	mg/kg	0.0022	ND
Chlorobenzene	1	mg/kg	0.0022	ND
Chloroethane	1	mg/kg	0.0022	ND
Chloroform	1	mg/kg	0.0022	ND
Chloromethane	1	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	1	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	1	mg/kg	0.0022	ND
Dibromochloromethane	1	mg/kg	0.0022	ND
Dichlorodifluoromethane	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
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
Styrene	1	mg/kg	0.0022	ND
t-Butyl Alcohol	1	mg/kg	0.011	ND
t-Butylbenzene	1	mg/kg	0.0011	ND
Tetrachloroethene	1	mg/kg	0.0022	ND
Toluene	1	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	1	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	1	mg/kg	0.0022	ND
Trichloroethene	1	mg/kg	0.0022	ND
Trichlorofluoromethane	1	mg/kg	0.0022	ND

Sample ID: B13 11'-12' **Collection Date: 7/21/2014**
Lab#: AC79929-013 **Receipt Date: 7/22/2014**
Matrix: Soil

Vinyl chloride	1	mg/kg	0.0022	ND
Xylenes (Total)	1	mg/kg	0.0011	ND

Sample ID: B15 2'-3' **Collection Date: 7/21/2014**
Lab#: AC79929-014 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G **DRAFT**

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**81**

Cyanide (Soil/Waste) 9012B **DRAFT**

Analyte	DF	Units	RL	Result
Cyanide	**1**	**mg/kg**	**0.30**	**0.34**

Mercury (Soil/Waste) 7471A **DRAFT**

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.10**	**4.6**

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	3	mg/kg	0.25	ND
Anthracene	3	mg/kg	0.25	ND
Benzo[a]anthracene	3	mg/kg	0.25	ND
Benzo[a]pyrene	3	mg/kg	0.25	ND
Benzo[b]fluoranthene	3	mg/kg	0.25	ND
Benzo[g,h,i]perylene	3	mg/kg	0.25	ND
Benzo[k]fluoranthene	3	mg/kg	0.25	ND
Chrysene	3	mg/kg	0.25	ND
Dibenzo[a,h]anthracene	3	mg/kg	0.25	ND
Fluoranthene	3	mg/kg	0.25	ND
Fluorene	3	mg/kg	0.25	ND
Indeno[1,2,3-cd]pyrene	3	mg/kg	0.25	ND
Naphthalene	**3**	**mg/kg**	**0.062**	**1.2**
Phenanthrene	3	mg/kg	0.25	ND
Pyrene	3	mg/kg	0.25	ND

TAL Metals 6020 **DRAFT**

Analyte	DF	Units	RL	Result
Antimony	**1**	**mg/kg**	**0.99**	**1.4**
Beryllium	**1**	**mg/kg**	**0.25**	**0.32**
Cadmium	**1**	**mg/kg**	**0.49**	**24**
Selenium	1	mg/kg	2.5	ND
Silver	**1**	**mg/kg**	**0.25**	**8.9**

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.998	mg/kg	0.0025	ND
1,1,2,2-Tetrachloroethane	0.998	mg/kg	0.0025	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.998	mg/kg	0.0025	ND
1,1,2-Trichloroethane	0.998	mg/kg	0.0025	ND
1,1-Dichloroethane	0.998	mg/kg	0.0025	ND
1,1-Dichloroethene	0.998	mg/kg	0.0025	ND
1,2,3-Trichloropropane	0.998	mg/kg	0.0025	ND
1,2,4-Trimethylbenzene	0.998	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.998	mg/kg	0.0025	ND
1,2-Dichloroethane	0.998	mg/kg	0.0025	ND
1,2-Dichloropropane	0.998	mg/kg	0.0025	ND
1,3,5-Trimethylbenzene	0.998	mg/kg	0.0012	ND
1,3-Dichlorobenzene	0.998	mg/kg	0.0025	ND
1,3-Dichloropropane	0.998	mg/kg	0.0025	ND
1,4-Dichlorobenzene	0.998	mg/kg	0.0025	ND

Sample ID: B15 2'-3' **Collection Date: 7/21/2014**
Lab#: AC79929-014 **Receipt Date: 7/22/2014**
Matrix: Soil

1,4-Dioxane	0.998	mg/kg	0.12	ND
2-Butanone	0.998	mg/kg	0.0025	ND
2-Chloroethylvinylether	0.998	mg/kg	0.0025	ND
2-Hexanone	0.998	mg/kg	0.0025	ND
4-Isopropyltoluene	0.998	mg/kg	0.0012	ND
4-Methyl-2-pentanone	0.998	mg/kg	0.0025	ND
Acetone	0.998	mg/kg	0.012	ND
Benzene	**0.998**	**mg/kg**	**0.0012**	**0.0026**
Bromodichloromethane	0.998	mg/kg	0.0025	ND
Bromoform	0.998	mg/kg	0.0025	ND
Bromomethane	0.998	mg/kg	0.0025	ND
Carbon disulfide	0.998	mg/kg	0.0025	ND
Carbon tetrachloride	0.998	mg/kg	0.0025	ND
Chlorobenzene	0.998	mg/kg	0.0025	ND
Chloroethane	0.998	mg/kg	0.0025	ND
Chloroform	0.998	mg/kg	0.0025	ND
Chloromethane	0.998	mg/kg	0.0025	ND
cis-1,2-Dichloroethene	0.998	mg/kg	0.0025	ND
cis-1,3-Dichloropropene	0.998	mg/kg	0.0025	ND
Dibromochloromethane	0.998	mg/kg	0.0025	ND
Dichlorodifluoromethane	0.998	mg/kg	0.0025	ND
Ethylbenzene	0.998	mg/kg	0.0012	ND
Isopropylbenzene	0.998	mg/kg	0.0012	ND
m&p-Xylenes	0.998	mg/kg	0.0012	ND
Methylene chloride	**0.998**	**mg/kg**	**0.0025**	**0.0077**
Methyl-t-butyl ether	0.998	mg/kg	0.0012	ND
n-Butylbenzene	0.998	mg/kg	0.0012	ND
n-Propylbenzene	0.998	mg/kg	0.0012	ND
o-Xylene	0.998	mg/kg	0.0012	ND
sec-Butylbenzene	0.998	mg/kg	0.0012	ND
Styrene	0.998	mg/kg	0.0025	ND
t-Butyl Alcohol	0.998	mg/kg	0.012	ND
t-Butylbenzene	0.998	mg/kg	0.0012	ND
Tetrachloroethene	**0.998**	**mg/kg**	**0.0025**	**0.0048**
Toluene	0.998	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.998	mg/kg	0.0025	ND
trans-1,3-Dichloropropene	0.998	mg/kg	0.0025	ND
Trichloroethene	0.998	mg/kg	0.0025	ND
Trichlorofluoromethane	0.998	mg/kg	0.0025	ND
Vinyl chloride	0.998	mg/kg	0.0025	ND
Xylenes (Total)	0.998	mg/kg	0.0012	ND

Sample ID: B16 2'-3' **Collection Date: 7/21/2014**
Lab#: AC79929-015 **Receipt Date: 7/22/2014**
Matrix: Soil

% Solids SM2540G **DRAFT**

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**92**

Cyanide (Soil/Waste) 9012B **DRAFT**

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

Mercury (Soil/Waste) 7471A **DRAFT**

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.091	ND

Organochlorine Pesticides 8081 **DRAFT**

Analyte	DF	Units	RL	Result
Aldrin	10	mg/kg	0.054	ND

Sample ID: B16 2'-3' **Collection Date: 7/21/2014**
Lab#: AC79929-015 **Receipt Date: 7/22/2014**
Matrix: Soil

Alpha-BHC	10	mg/kg	0.011	ND
beta-BHC	10	mg/kg	0.011	ND
Chlordane	10	mg/kg	0.27	ND
delta-BHC	10	mg/kg	0.054	ND
Dieldrin	10	mg/kg	0.011	ND
Endosulfan I	10	mg/kg	0.054	ND
Endosulfan II	10	mg/kg	0.054	ND
Endosulfan Sulfate	10	mg/kg	0.054	ND
Endrin	10	mg/kg	0.054	ND
Endrin Aldehyde	10	mg/kg	0.054	ND
Endrin Ketone	10	mg/kg	0.054	ND
gamma-BHC	10	mg/kg	0.011	ND
Heptachlor	10	mg/kg	0.054	ND
Heptachlor Epoxide	10	mg/kg	0.054	ND
Methoxychlor	10	mg/kg	0.054	ND
p,p'-DDD	10	mg/kg	0.027	ND
p,p'-DDE	**10**	**mg/kg**	**0.027**	**0.085**
p,p'-DDT	**10**	**mg/kg**	**0.027**	**0.35**
Toxaphene	10	mg/kg	0.27	ND

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	1	mg/kg	0.036	ND
Anthracene	1	mg/kg	0.036	ND
Benzo[a]anthracene	1	mg/kg	0.036	ND
Benzo[a]pyrene	1	mg/kg	0.036	ND
Benzo[b]fluoranthene	1	mg/kg	0.036	ND
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.0091**	**0.010**
Benzo[k]fluoranthene	1	mg/kg	0.036	ND
Chrysene	1	mg/kg	0.036	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.036	ND
Fluoranthene	1	mg/kg	0.036	ND
Fluorene	1	mg/kg	0.036	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.036	ND
Naphthalene	1	mg/kg	0.0091	ND
Phenanthrene	1	mg/kg	0.036	ND
Pyrene	1	mg/kg	0.036	ND

PCB 8082 **DRAFT**

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**0.043**
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**	**0.043**
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

TAL Metals 6020 **DRAFT**

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	0.87	ND
Beryllium	**1**	**mg/kg**	**0.22**	**0.30**
Cadmium	1	mg/kg	0.43	ND
Selenium	1	mg/kg	2.2	ND
Silver	1	mg/kg	0.22	ND

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	mg/kg	0.0022	ND

Sample ID: B16 2'-3' **Collection Date: 7/21/2014**
Lab#: AC79929-015 **Receipt Date: 7/22/2014**
Matrix: Soil

1,1,2,2-Tetrachloroethane	1	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	mg/kg	0.0022	ND
1,1,2-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
1,2,3-Trichloropropane	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
1,2-Dichloropropane	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
1,3-Dichloropropane	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
2-Chloroethylvinylether	1	mg/kg	0.0022	ND
2-Hexanone	1	mg/kg	0.0022	ND
4-Isopropyltoluene	1	mg/kg	0.0011	ND
4-Methyl-2-pentanone	1	mg/kg	0.0022	ND
Acetone	1	mg/kg	0.011	ND
Benzene	1	mg/kg	0.0011	ND
Bromodichloromethane	1	mg/kg	0.0022	ND
Bromoform	1	mg/kg	0.0022	ND
Bromomethane	1	mg/kg	0.0022	ND
Carbon disulfide	1	mg/kg	0.0022	ND
Carbon tetrachloride	1	mg/kg	0.0022	ND
Chlorobenzene	1	mg/kg	0.0022	ND
Chloroethane	1	mg/kg	0.0022	ND
Chloroform	1	mg/kg	0.0022	ND
Chloromethane	1	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	1	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	1	mg/kg	0.0022	ND
Dibromochloromethane	1	mg/kg	0.0022	ND
Dichlorodifluoromethane	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
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
Styrene	1	mg/kg	0.0022	ND
t-Butyl Alcohol	1	mg/kg	0.011	ND
t-Butylbenzene	1	mg/kg	0.0011	ND
Tetrachloroethene	1	mg/kg	0.0022	ND
Toluene	1	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	1	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	1	mg/kg	0.0022	ND
Trichloroethene	1	mg/kg	0.0022	ND
Trichlorofluoromethane	1	mg/kg	0.0022	ND
Vinyl chloride	1	mg/kg	0.0022	ND
Xylenes (Total)	1	mg/kg	0.0011	ND

Sample ID: B1GW **Collection Date: 7/21/2014**
Lab#: AC79929-016 **Receipt Date: 7/22/2014**
Matrix: Aqueous

Sample ID: B1GW **Collection Date: 7/21/2014**
Lab#: AC79929-016 **Receipt Date: 7/22/2014**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	**1**	**ug/l**	**1.0**	**44**
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**	**1.1**
1,1-Dichloroethene	**1**	**ug/l**	**1.0**	**4.6**
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	10	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
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**	**17**
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
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**	**120**
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**	**44**
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: B6GW **Collection Date: 7/21/2014**
Lab#: AC79929-017 **Receipt Date: 7/22/2014**
Matrix: Aqueous

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	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

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	**1**	**ug/l**	**1.0**	**97**
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**	**7.3**
1,1-Dichloroethene	**1**	**ug/l**	**1.0**	**6.2**
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	10	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
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	**1**	**ug/l**	**1.0**	**4.2**
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**95**
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

Sample ID: B6GW **Collection Date: 7/21/2014**
Lab#: AC79929-017 **Receipt Date: 7/22/2014**
Matrix: Aqueous

Methyl-t-butyl ether	1	ug/l	0.50	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**	**180**
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**1.5**
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**41**
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: B7GW **Collection Date: 7/21/2014**
Lab#: AC79929-018 **Receipt Date: 7/22/2014**
Matrix: Aqueous

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	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

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	**1**	**ug/l**	**1.0**	**22**
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**	**2.3**
1,1-Dichloroethene	**1**	**ug/l**	**1.0**	**2.9**
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

Sample ID: B7GW **Collection Date: 7/21/2014**
Lab#: AC79929-018 **Receipt Date: 7/22/2014**
Matrix: Aqueous

4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	10	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
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	**1**	**ug/l**	**1.0**	**1.7**
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**21**
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**	**1.7**
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	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**	**170**
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**	**71**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	**1**	**ug/l**	**1.0**	**1.7**

Sample ID: B8GW **Collection Date: 7/21/2014**
Lab#: AC79929-019 **Receipt Date: 7/22/2014**
Matrix: Aqueous

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	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

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result

Sample ID: B8GW **Collection Date: 7/21/2014**
Lab#: AC79929-019 **Receipt Date: 7/22/2014**
Matrix: Aqueous

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	10	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
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**	**1.5**
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
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**	**8.5**
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**	**11**
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: B9GW **Collection Date: 7/21/2014**
Lab#: AC79929-020 **Receipt Date: 7/22/2014**
Matrix: Aqueous

Sample ID: B9GW **Collection Date: 7/21/2014**
Lab#: AC79929-020 **Receipt Date: 7/22/2014**
Matrix: Aqueous

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	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

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	**1**	**ug/l**	**1.0**	**18**
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	10	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
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**	**1.7**
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

Sample ID: B9GW **Collection Date: 7/21/2014**
Lab#: AC79929-020 **Receipt Date: 7/22/2014**
Matrix: Aqueous

Methyl-t-butyl ether	1	ug/l	0.50	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**	**250**
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**	**23**
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: B10GW **Collection Date: 7/21/2014**
Lab#: AC79929-021 **Receipt Date: 7/22/2014**
Matrix: Aqueous

Volatile Organics (no search) 8260 **DRAFT**

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	**100**	**ug/l**	**100**	**3100**
1,1,2,2-Tetrachloroethane	100	ug/l	100	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	100	ug/l	100	ND
1,1,2-Trichloroethane	100	ug/l	100	ND
1,1-Dichloroethane	100	ug/l	100	ND
1,1-Dichloroethene	**100**	**ug/l**	**100**	**260**
1,2,3-Trichloropropane	100	ug/l	100	ND
1,2,4-Trimethylbenzene	100	ug/l	100	ND
1,2-Dichlorobenzene	100	ug/l	100	ND
1,2-Dichloroethane	100	ug/l	50	ND
1,2-Dichloropropane	100	ug/l	100	ND
1,3,5-Trimethylbenzene	100	ug/l	100	ND
1,3-Dichlorobenzene	100	ug/l	100	ND
1,3-Dichloropropane	100	ug/l	100	ND
1,4-Dichlorobenzene	100	ug/l	100	ND
1,4-Dioxane	100	ug/l	5000	ND
2-Butanone	100	ug/l	100	ND
2-Chloroethylvinylether	100	ug/l	100	ND
2-Hexanone	100	ug/l	100	ND
4-Isopropyltoluene	100	ug/l	100	ND
4-Methyl-2-pentanone	100	ug/l	100	ND
Acetone	100	ug/l	1000	ND
Benzene	100	ug/l	50	ND
Bromodichloromethane	100	ug/l	100	ND
Bromoform	100	ug/l	100	ND
Bromomethane	100	ug/l	100	ND
Carbon disulfide	100	ug/l	100	ND
Carbon tetrachloride	100	ug/l	100	ND
Chlorobenzene	100	ug/l	100	ND
Chloroethane	100	ug/l	100	ND
Chloroform	100	ug/l	100	ND
Chloromethane	100	ug/l	100	ND
cis-1,2-Dichloroethene	100	ug/l	100	ND
cis-1,3-Dichloropropene	100	ug/l	100	ND
Dibromochloromethane	100	ug/l	100	ND
Dichlorodifluoromethane	100	ug/l	100	ND
Ethylbenzene	100	ug/l	100	ND
Isopropylbenzene	100	ug/l	100	ND

Sample ID: B10GW **Collection Date: 7/21/2014**
Lab#: AC79929-021 **Receipt Date: 7/22/2014**
Matrix: Aqueous

m&p-Xylenes	100	ug/l	100	ND
Methylene chloride	100	ug/l	100	ND
Methyl-t-butyl ether	100	ug/l	50	ND
n-Butylbenzene	100	ug/l	100	ND
n-Propylbenzene	100	ug/l	100	ND
o-Xylene	100	ug/l	100	ND
sec-Butylbenzene	100	ug/l	100	ND
Styrene	100	ug/l	100	ND
t-Butyl Alcohol	100	ug/l	500	ND
t-Butylbenzene	100	ug/l	100	ND
Tetrachloroethene	**100**	**ug/l**	**100**	**47000**
Toluene	100	ug/l	100	ND
trans-1,2-Dichloroethene	100	ug/l	100	ND
trans-1,3-Dichloropropene	100	ug/l	100	ND
Trichloroethene	**100**	**ug/l**	**100**	**250**
Trichlorofluoromethane	100	ug/l	100	ND
Vinyl chloride	100	ug/l	100	ND
Xylenes (Total)	100	ug/l	100	ND

Sample ID: B14GW **Collection Date: 7/21/2014**
Lab#: AC79929-022 **Receipt Date: 7/22/2014**
Matrix: Aqueous

PAH Compounds 8270 **DRAFT**

Analyte	DF	Units	RL	Result
Acenaphthene	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**	**1.1**
Phenanthrene	**1**	**ug/l**	**2.0**	**2.2**
Pyrene	1	ug/l	2.0	ND

Volatile Organics (no search) 8260 **DRAFT**

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

Sample ID: B14GW **Collection Date: 7/21/2014**
Lab#: AC79929-022 **Receipt Date: 7/22/2014**
Matrix: Aqueous

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	10	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
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**	**1.8**
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
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**	**98**
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**	**6.4**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

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

HC·V HamptonClarke Veritech Laboratories

A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124

CHAIN OF CUSTODY RECORD

Project# (Lab Use Only): 4071911

Page 1 of 3

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	Data Summary	Hazsite/CSV
48 Hours (75%)	Waste	EQuIS 4-File / EZ / NYS
72 Hours (50%)	Red - NJ / NY / PA	EQuIS EPA Region 2 or 5
4 Days (35%; TPH)	CLP	Excel - NJ Regulatory
1 Week (25%; EPH)	Full / Category B	Excel - NY Regulatory
10 Days (10%)	Category A	Excel - PA Regulatory
2 Weeks	Other: _____	PDF
Other: 5 DAY		Other: _____

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: frankg4@optonline.net
1c) Send Invoice to:
1d) Send Report to: FRANK GALDUN

Project Information

2a) Project: SPENCER/FLUSHING CLUSTER BROOKLYN, NY
2b) Project Mgr: F GALDUN
2c) Project Location (City/State):
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY

Batch # tc79929

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 LIST	EPA 8270 CP-51 ONLY	TAL METALS + CN	PCBS	PESTICIDES	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001	B1 1'-5'	SOIL				✓	/	/	/	/	/	2								
-002	B2 1'-3'						/	/	/			2								
-003	B3 8'-9'						/	/	/	/	/	2								
-004	B5 2'-5'						/	/	/			2								
-005	B6 1'-4'						/	/	/	/	/	2								
-006	B7 1'-4'						/	/	/			2								
-007	B8 1'-3'						/	/	/	/	/	2								
-008	B9 5'-7'						/	/	/			2								
-009	B10 4'-5'						/					1								
-010	B10 9'-10'						/					1								

10) Relinquished by:	Accepted by:	Date	Time
		7/24/14	1055

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- ☐ BN or BNA (8270C SIM)
- ☐ VOC (8260B SIM or 8011)
- ☐ Metals (ICP-MS 200.8 or 6020)
- ☐ Metals-Soil (ICP-MS 6020 for Be & Ag)

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

Cooler Temperature: 2.9

11) Sampler (print name): FRANK GALDUN Date: 7/24/14

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.

Additional Notes

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CHAIN OF CUSTODY RECORD

Project# (Lab Use Only) 4071911

Page 2 of 3

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	(Data Summary) – circled	Hazsite/CSV
48 Hours (75%)	~~Waste~~	EQuIS 4-File / EZ / NYS
72 Hours (50%)	Red - NJ / NY / PA	EQuIS EPA Region 2 or 5
4 Days (35%; TPH)	CLP	Excel - NJ Regulatory
1 Week (25%; EPH)	Full / Category B	Excel - NY Regulatory
10 Days (10%)	Category A	Excel - PA Regulatory
2 Weeks	Other:	(PDF) – circled
Other: 5 DAY		Other:

Expedited TAT Not Always Available. Please Check with Lab.

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1a) Customer: GFE
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Project Information

2a) Project: SPENCER/FLUSHING CLUSTER
BROOKLYN, NY
2b) Project Mgr: F GALDUN
2c) Project Location (City/State):
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY ↓

Batch # AC79929

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)

Check If Contingent ===> 7) Analysis Request <=== Check If Contingent

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Composite (C)	Grab (G)	EPA 8260 PART 375 & CP-51	EPA 8270 CP-51 ONLY	TAL METALS + Ag/Cr	PCBS	PESTICIDES	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-011	B11 3.5'-4'	SOIL				✓	/					1								
-012	B12 3.5'-4'	↓				↓	/					1								
-013	B13 11'-12'	↓				↓	/					1								
-014	B15 2'-3'	↓				↓	/	/	/			2								
-015	B16 2'-3'	↓				↓	/	/	/	/	/	2								
-016	B1GW	GW				↓	/					0				2				
-017	B6GW	↓				↓	/	/				1				2				
-018	B7GW	↓				↓	/	/				↓				↓				
-019	B8GW	↓				↓	/	/				↓				↓				
-020	B9GW	↓				↓	/	/				↓				↓				

10) Relinquished by:	Accepted by:	Date	Time
F [signature]	[signature]	7/22/14	1015

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
☐ BN or BNA (8270C SIM)
☐ VOC (8260B SIM or 8011)
☐ Metals (ICP-MS 200.8 or 6020)
☐ Metals-**Soil** (ICP-MS 6020 for Be & Ag)

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

Cooler Temperature 2.9

11) Sampler (print name): FRANK GALDUN **Date:** 7/21/14

Please note NUMBERED items. If not completed your analytical work may be delayed.
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CHAIN OF CUSTODY RECORD

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Project# (Lab Use Only): 4071911

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2b) Project Mgr: F GALDUN
2c) Project Location (City/State):
2d) Quote/PO # (If Applicable):

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	(Data Summary) — circled	Hazsite/CSV
48 Hours (75%)	Waste	EQuIS 4-File / EZ / NYS
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10 Days (10%)	Category A	Excel - PA Regulatory
2 Weeks	Other:	(PDF) — circled
Other: 5 DAY		Other:

Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY
Batch #: AC79929

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

Check If Contingent ===> 7) Analysis Request <=== Check If Contingent

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Composite (C)	Grab (G)	EPA 8260 PART 375 SP-51	EPA 8270 SP-51 ONLY	None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-021	B10GW	GW				1	✓						2				
-022	B14GW	GW				1	✓	✓	1				2				

8) # of Bottles

10) Relinquished by:	Accepted by:	Date	Time
[signature]	[signature]	7/22/14	1050

Additional Notes

Comments, Notes, Special Requirements, HAZARDS
Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- [ ] BN or BNA (8270C SIM)
- [ ] VOC (8260B SIM or 8011)
- [ ] Metals (ICP-MS 200.8 or 6020)
- [ ] Metals-**Soil** (ICP-MS 6020 for Be & Ag)

Note: Check if applicable:
- [ ] **Project-Specific Reporting Limits**
- [ ] **High Contaminant Concentrations**
- [ ] **NJ LSRP Project**

Cooler Temperature: 2.9

11) Sampler (print name): FRANK GALDUN Date: 7/21/14

Please note NUMBERED items. If not completed your analytical work may be delayed.
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APPENDIX D:
SITE PHOTOGRAPHS

Photograph 1: View of the unimproved lot at the northwest corner of the Site. The apartment building at left is not included within the Site and appears to be the off-site property nearest to the most severely impacted groundwater. Photographer facing south (main cluster of Site building is visible at background along Spencer Street).

Photograph 2: View of the main cluster iof Site buildings looking south along Spencer Street.

Photograph 3: Open stockyard at the south side of the Site looking east from Spencer Street. Boring B2 being installed.

Photograph 4: Disturbed soil area at the southeast corner of the south Site stockyard. Much of this area is covered by storage containers at background. Photographer facing southwest.

Photograph 5: Concrete pit within the former sheet metal manufacturing building.

Photograph 6: General interior view of the former sheet metal manufacturing building looking south from the Flushing Avenue entrance. The white painted outline at lower left denotes subsurface anomaly resembling a UST.