

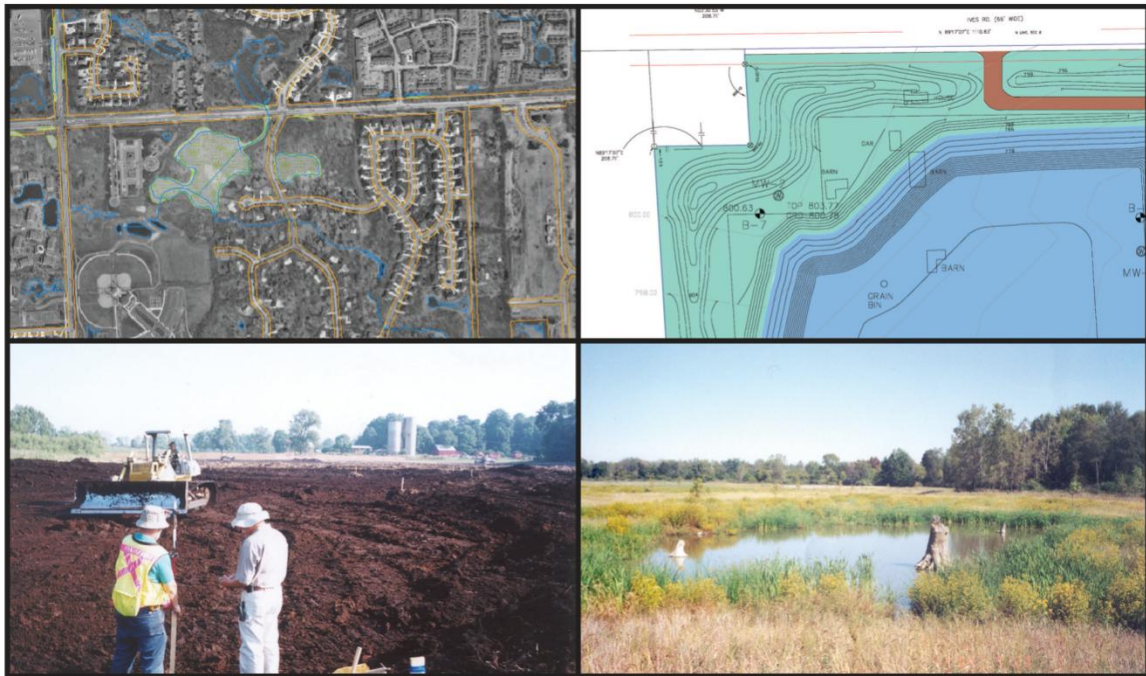
Limited Subsurface Investigation

7850 E. Jefferson Avenue
Detroit, Michigan

Shamrock Acquisitions, LLC

April 25, 2017

ASTI ENVIRONMENTAL



Limited Subsurface Investigation

7850 E. Jefferson Avenue
Detroit, Michigan

April 25, 2017

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1.0 INTRODUCTION

ASTI Environmental (ASTI) was retained by Shamrock Acquisitions, LLC to conduct a Limited Subsurface Investigation (LSI) of the property located at 7850 E. Jefferson Avenue in the City of Detroit, Wayne County, Michigan (Property). This LSI was prepared for the benefit of Shamrock Acquisitions, LLC and ASTI acknowledges that this party may rely upon the contents and conclusions presented in this report. The Property is located on the south side of E. Jefferson Avenue and approximately 580 feet east of Baldwin Street in the City of Detroit. The Property comprises approximately 2.75 acres of land and is identified as Parcel No. 17000017. A Site Location Map is provided as Figure 1.

The site investigation was conducted in accordance with ASTI's Proposal dated March 30, 2017.

2.0 PURPOSE AND PROPERTY HISTORY AND INFORMATION

2.1 Purpose

ASTI was provided with a Phase II ESA report completed at the Property by NTH Consultants, LTD (NTH) on October 12, 2007. The Phase II ESA was conducted to evaluate the following recognized environmental conditions (RECs) identified in NTH's Phase I ESA of the Property dated September 11, 2007.

- The Property formerly contained several structures, at least one of which had a basement. No information was available regarding the nature or source of the fill materials used to fill in the basements of the former structure(s).
- Review of available historical sources indicated that two storage tanks were present at the Property with no detailed information available as to the current status or removal of the tanks.
- Review of available historical sources indicated that the southern 1/3 of the Property was filled in sometime in the late 1800s or 1900s. In addition, fill soils containing debris were encountered during NTH's concurrent geotechnical investigation. No information was available as to the nature or source of the fill materials.

The Phase II ESA identified arsenic, chromium, and mercury in soil at concentrations above the Michigan Department of Environmental Quality's (MDEQ)'s Part 201 generic residential cleanup criteria (GRCC) for drinking water protection and groundwater surface water interface protection criteria. The Property was determined to be a "*facility*" as defined in Part 201 of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as Amended (Part 201). Based on the results of the Phase II ESA, NTH conducted a Baseline Environmental Assessment (BEA) of the Property in January 2008, which was affirmed on February 1, 2008. A Geophysical Survey was also conducted during the Phase II ESA and no underground storage tanks were identified.

The purpose of this LSI was to determine the current condition of the Property based on the RECs and potential due care obligations.

2.2 Historic Uses of the Property

Based on research, the Property contained a residential dwelling and outbuildings by 1888. The southern portion of the Property was filled in sometime in the late 1800's or early

1900's. By 1935 the northern portion of the Property contained a clubhouse building identified as the Colony Town Club and the southern portion of the Property contained a residential dwelling and associated outbuildings. By the mid 1940's the northern portion of the property was developed with a building used as a hospital and as a youth home. The Property has remained vacant since approximately 1977.

2.3 Current Uses of the Property

The Property is currently vacant with no obvious usage.

2.4 Existing Infrastructure Features

No structures are located at the Property. Utilities available to the Property include potable water, storm water, and sewer through the City of Detroit. Electric and natural gas services are available through DTE Energy.

3.0 SOIL BORING LOCATIONS

On April 7, 2017, ASTI advanced five soil borings (SB-1 through SB-5) at the Property using a direct-push Geoprobe® drill rig. The soil boring locations were spread out in a north-northwest/south-southeast orientation across the Property with two of the borings (SB-4 and SB-5) located within the filled in former riverbed on the southeastern portion of the Property. A soil sample was collected from each soil boring location for a total of five samples. A Sample Location Map is provided as Figure 2. Photographs of the completion of the soil borings are included as Attachment A. Boring/sample ID, boring/sample locations, and depth were as follows.

| Boring/Sample ID | Boring/Sample Location | Depth of Boring |
|-------------------------|---|------------------------|
| SB-1 | Northwestern portion of the Property in regard to deposition of fill material | 16 feet |
| SB-2 | Central portion of the Property in regard to deposition of fill material | 16 feet |
| SB-3 | Central portion of the Property in regard to deposition of fill material | 16 feet |
| SB-4 | Southern portion of the Property within the area of a historical riverbed | 16 feet |
| SB-5 | Southern portion of the Property within the area of a historical riverbed | 16 feet |

4.0 SAMPLE COLLECTION PROCEDURES

The soil borings were advanced to 16 feet below ground surface (bgs) with a track-mounted, direct-push Geoprobe[®]. All down-hole equipment was decontaminated using an Alconox[®] wash and clean water rinse between borings to minimize the risk of cross contamination of samples. Soil encountered during field activities was characterized by ASTI's field personnel, examined for visual and/or olfactory evidence of impact, screened using a photoionization detector (PID), and recorded in a field logbook. Prior to sampling, the PID was calibrated to manufacturer specifications using 100 parts per million (ppm) isobutylene calibration gas. No PID readings were encountered in the field above 0 ppm as indicated in the soil boring logs provided as Attachment B.

All soil samples were collected into laboratory certified clean 4-ounce glass jars for analysis of 10 Michigan metals (arsenic, barium, cadmium, copper chromium, lead, mercury, selenium, silver, and zinc) and polynuclear aromatic hydrocarbons (PNAs), and 40-ml glass vials preserved in the field with methanol for volatile organic compounds (VOCs) analysis. All samples were cooled to 4°C, and submitted to Merit Laboratories, Inc. in East Lansing, Michigan under standard chain of custody procedures.

Soil were submitted for analysis of VOCs by US EPA Method 8260C, PNAs by US EPA Method 8270D, 10 Michigan metals by US EPA Method 7471B and/or 6020A.

Sample depth, location rationale, and analysis are provided in the following table.

| Boring | Sample Matrix | Sample Depth | Rationale for sample location | Analysis |
|--------|---------------|--------------|--|----------------------------------|
| SB-1 | Soil | 0.5-1.5' | Presence of fill material with debris within sampling interval | VOCs, PNAs, & 10 Michigan metals |
| SB-2 | Soil | 6.5-7.5' | Presence of fill material with debris within sampling interval | VOCs, PNAs, & 10 Michigan metals |
| SB-3 | Soil | 9-10' | Presence of fill material with debris within sampling interval | VOCs, PNAs, & 10 Michigan metals |
| SB-4 | Soil | 7-8' | Presence of fill material with debris within sampling interval | VOCs, PNAs, & 10 Michigan metals |
| SB-5 | Soil | 5-6' | Presence of fill material with debris within sampling interval | VOCs, PNAs, & 10 Michigan metals |

5.0 SOIL AND GROUNDWATER CHARACTERISTICS

The following sections describe the encountered soil and groundwater conditions during the investigation.

5.1 Soil

The subsurface lithology encountered in the soil borings, underlying surface cover (topsoil), generally consisted of fill materials varying in composition from sand to silty-clay and extended to depths between 4 feet and 13 feet bgs. The fill materials in SB-1 through SB-4 each contained varying amounts of debris consisting of brick, concrete, foundry sand, and slag. A native silty-clay stratum was encountered under the fill materials and extended to the explored depth of soil borings SB-1 through SB-4. The silty-clay stratum was also present in SB-5 and persisted to 14 feet bgs and was underlain by a well graded sand layer which was encountered to 16 feet bgs, the maximum explored depth of SB-5. No odors or staining were observed in the soil borings and no readings were detected on the PID.

5.2 Groundwater

No groundwater was encountered in soil boring SB-1. Groundwater was encountered in soil borings SB-2 through SB-5 between 8 feet and 12 feet bgs within sand layers or sand seams. The depth to groundwater was generally encountered at deeper depths towards the Detroit River. The likely groundwater flow direction is to the southeast based on surface gradient and observed depth to groundwater.

6.0 PATHWAY EVALUATION

The applicable pathways and associated GRCC for the Property under Part 201 of Michigan's *Natural Resources and Environmental Protection Act, 1994 PA 451, as Amended* (Part 201) for soil are the soil drinking water protection (DWP), groundwater surface water interface protection (GSIP), direct contact (DC), soil volatilization to indoor air inhalation (SVIAI), and particulate soil inhalation (PSI).

7.0 ANALYTICAL RESULTS

Soil Analytical Results

Table 1 presents the laboratory analytical results for the soil samples in comparison to the applicable MDEQ Part 201 GRCC. The laboratory analytical reports and chain of custody records are provided in Attachment C.

The laboratory analytical results reported the metal mercury at concentrations exceeding the GRCC for GSIP in soil samples SB-1 (0.5-1.5), SB-3 (9-10'), and SB-4 (7-8'). In addition, arsenic was detected at a concentration exceeding the GRCC for DWP and GSIP in soil sample SB-2 (6.5-7.5'). Lead was reported at a concentration exceeding the GRCC for DC in soil sample SB-1 (0.5-1.5'). No other metals were detected above the GRCC.

As indicated in Part 201 324.20101 (ei-iv), background concentrations for a hazardous substance may be demonstrated by complying with statewide default background levels, or having the hazardous substance listed in the 2005 Michigan background soil survey (Updated 2015) tables 2, 3, or 4 with representation of at least nine samples for the hazardous substance in the glacial lobe for the soil type sampled or through completion of a site-specific demonstration. The concentration in the 2005 Michigan background soil survey (Updated 2015) is the lesser of either two standard deviations of the mean for the soil type and glacial lobe or the uppermost value in the typical range of data for the hazardous substance in table 1. The Property is located within the Huron-Erie Glacial Lobe, which has 175 representative samples for sand which exceeds the minimum of nine samples. The following is a table of the comparison of the arsenic analytical result, sample soil type, and the glacial lobe background concentration and upper value of typical range.

| Boring ID | Arsenic Result | Soil Type | Huron-Erie Lobe Concentration | Upper Value of Typical Range |
|-----------------|----------------|-----------|-------------------------------|------------------------------|
| SB-2 (6.5-7.5') | 6,280 | Sand | 26,300 | 22,800 |

Based on a comparison of the data to the glacial lobe or upper value of the typical range concentration, the arsenic result for sample SB-2 is below the background concentration.

PNAs were reported in soil samples SB-1 and SB-3 at concentrations below the GRCC. No PNAs were reported in the remaining soil samples. No VOCs were detected in the soil samples.

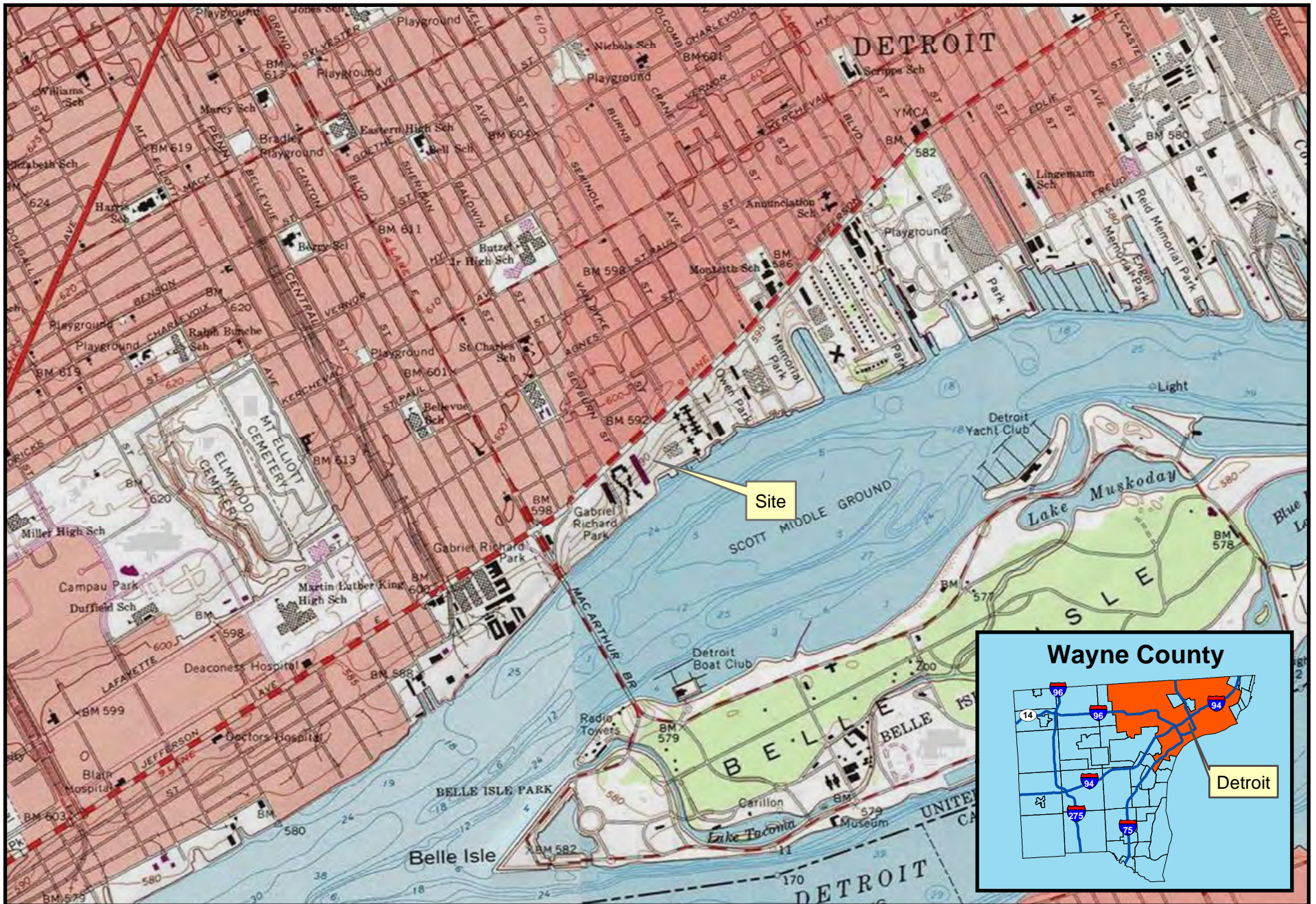
8.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the laboratory analytical results for the soil samples collected at the Property, metals have been detected in soil samples at concentrations exceeding the GRCC for DWP, GSIP, and DC. Therefore, it is ASTI's opinion that the Property is a "facility" as defined in Part 201 of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as Amended (Part 201). A Baseline Environmental Assessment (BEA) is not applicable for the current owner, but could be prepared for a new ownership entity.

ASTI recommends the preparation of a Due Care Plan to document the procedures Shamrock Acquisitions will follow to avoid exacerbation of or exposure to existing contamination during redevelopment and future use of the Property. Recommended response activities for proposed construction of a residential high rise will be summarized in a separate letter, but the letter should not be construed as a Due Care Plan.

FIGURES

- 1 Site Location Map
- 2 Soil Boring Location Map



7850 E. Jefferson Ave.

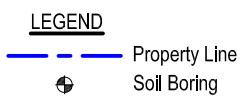
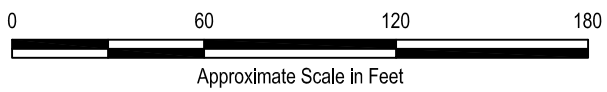
Detroit, MI

2,000 1,000 0 2,000 Feet



Created for: Shamrock Acquisitions LLC
 Created by: WAD, April 25, 2017, ASTI Project 9991

Figure 1 - Site Location Map



7850 E. Jefferson Ave.

Detroit, MI



Created for: Shamrock Acquisitions LLC
ASTI Project 10105, JMD, April 18, 2017

Figure 2 - Soil Boring Location Map

TABLES

- 1 Summary of Soil Sample Analytical Results

Table 1 Summary of Soil Sample Analytical Results
 7850 E. Jefferson Avenue, Detroit, MI
 ASTI Project No. 10105

| Parameters | Statewide Default Background Levels* | Residential | Groundwater | Residential | Residential | Residential | Residential Particulate Soil Inhalation Criteria* | Residential Direct Contact Criteria* | SB-1 | SB-2 | SB-3 | SB-4 | Dup1-S |
|-----------------------------|--------------------------------------|-------------------------------------|--|--|---|-------------------|---|--------------------------------------|------------|------------|------------|------------|------------|
| | | Drinking Water Protection Criteria* | Surface Water Interface Protection Criteria* | Soil Volatilization to Indoor Air Inhalation Criteria* | Finite Source Volatile Soil Inhalation for 5 Meter Source Thickness | 0.5-1.5' | | | 6.5-7.5' | 9-10' | 7-8' | SB-4 | |
| | | | | | | | | | 04/07/2017 | 04/07/2017 | 04/07/2017 | 04/07/2017 | 04/07/2017 |
| | | | | | | | | | µg/kg | µg/kg | µg/kg | µg/kg | µg/kg |
| Total Arsenic | 5,800 | 4,600 | 4,600 | NLV | NLV | NLV | 720,000 | 7,600 | 3,630 | 6,280 | 2,360 | 980 | 400 |
| Total Barium | 75,000 | 1,300,000 | (G) | NLV | NLV | NLV | 330,000,000 | 37,000,000 | 285,000 | 42,700 | 99,400 | 50,500 | 79,500 |
| Total Cadmium | 1,200 | 6,000 | (G, X) | NLV | NLV | NLV | 1,700,000 | 550,000 | 420 | <200 | <200 | <200 | <200 |
| Total Chromium | 18,000 | 30,000 | 3,300 | NLV | NLV | NLV | 260,000 | 2,500,000 | 7,620 | 12,100 | 5,670 | 5,990 | 8,110 |
| Total Copper | 32,000 | 5,800,000 | (G) | NLV | NLV | NLV | 130,000,000 | 20,000,000 | 27,100 | 14,200 | 6,580 | 14,100 | 16,000 |
| Total Lead | 21,000 | 700,000 | (G, X) | NLV | NLV | NLV | 100,000,000 | 400,000 | 212,000 | 14,700 | 37,700 | 44,600 | 8,100 |
| Lead, Fine | 21,000 | 700,000 | (G, X) | NLV | NLV | NLV | 100,000,000 | 400,000 | 518,000 | ~ | ~ | ~ | ~ |
| Lead, Course | 21,000 | 700,000 | (G, X) | NLV | NLV | NLV | 100,000,000 | 400,000 | 165,000 | ~ | ~ | ~ | ~ |
| Lead, Total Calculated | 21,000 | 700,000 | (G, X) | NLV | NLV | NLV | 100,000,000 | 400,000 | 217,000 | ~ | ~ | ~ | ~ |
| Total Mercury | 130 | 1,700 | 50 (M) | 48,000 | 52,000 | 20,000,000 | 20,000,000 | 160,000 | 187 | 68 | 190 | 215 | 101 |
| Total Selenium | 410 | 4,000 | 400 | NLV | NLV | NLV | 130,000,000 | 2,600,000 | <400 | <400 | <400 | <400 | <400 |
| Total Silver | 1,000 | 4,500 | 100 (M) | NLV | NLV | NLV | 6,700,000 | 2,500,000 | <200 | <200 | <200 | <200 | <200 |
| Total Zinc | 47,000 | 2,400,000 | (G) | NLV | NLV | NLV | ID | 170,000,000 | 189,000 | 26,500 | 41,300 | 31,200 | 21,100 |
| Acenaphthene | NA | 300,000 | 8,700 | 190,000,000 | 81,000,000 | 14,000,000,000 | 14,000,000,000 | 41,000,000 | <330 | <330 | <330 | <330 | <330 |
| Acenaphthylene | NA | 5,900 | ID | 1,600,000 | 2,200,000 | 2,300,000,000 | 2,300,000,000 | 1,600,000 | <330 | <330 | <330 | <330 | <330 |
| Anthracene | NA | 41,000 | ID | 1,000,000,000 (D) | 1,400,000,000 | 67,000,000,000 | 67,000,000,000 | 230,000,000 | <330 | <330 | <330 | <330 | <330 |
| Benzo (a) anthracene | NA | NLL | NLL | NLV | NLV | NLV | ID | 20,000 | 500 | <330 | 660 | <330 | <330 |
| Benzo (a) pyrene | NA | NLL | NLL | NLV | NLV | NLV | 1,500,000 | 2,000 | 530 | <330 | 630 | <330 | <330 |
| Benzo (b) fluoranthene | NA | NLL | NLL | ID | ID | ID | ID | 20,000 | 930 | <330 | 1,040 | <330 | <330 |
| Benzo (g,h,i) perylene | NA | NLL | NLL | NLV | NLV | NLV | 800,000,000 | 2,500,000 | <330 | <330 | <330 | <330 | <330 |
| Benzo (k) fluoranthene | NA | NLL | NLL | NLV | NLV | NLV | ID | 200,000 | 1,000 | <330 | 1,120 | <330 | <330 |
| Chrysene | NA | NLL | NLL | ID | ID | ID | ID | 2,000,000 | 530 | <330 | 700 | <330 | <330 |
| Dibenzo (a,h) anthracene | NA | NLL | NLL | NLV | NLV | NLV | ID | 2,000 | <330 | <330 | <330 | <330 | <330 |
| Fluoranthene | NA | 730,000 | 5,500 | 1,000,000,000 (D) | 740,000,000 | 9,300,000,000 | 9,300,000,000 | 46,000,000 | 950 | <330 | 1,250 | <330 | <330 |
| Fluorene | NA | 390,000 | 5,300 | 580,000,000 | 130,000,000 | 9,300,000,000 | 9,300,000,000 | 27,000,000 | <330 | <330 | <330 | <330 | <330 |
| Indeno (1,2,3-cd) pyrene | NA | NLL | NLL | NLV | NLV | NLV | ID | 20,000 | <330 | <330 | <330 | <330 | <330 |
| 2-Methylnaphthalene | NA | 57,000 | 4,200 | 2,700,000 | 1,500,000 | 670,000,000 | 670,000,000 | 8,100,000 | <330 | <330 | <330 | <330 | <330 |
| Naphthalene | NA | 35,000 | 730 | 250,000 | 300,000 | 200,000,000 | 200,000,000 | 16,000,000 | <330 | <330 | <330 | <330 | <330 |
| Phenanthrene | NA | 56,000 | 2,100 | 2,800,000 | 160,000 | 6,700,000 | 6,700,000 | 1,600,000 | 610 | <330 | 1,070 | <330 | <330 |
| Pyrene | NA | 480,000 | ID | 1,000,000,000 (D) | 650,000,000 | 6,700,000,000 | 6,700,000,000 | 29,000,000 | 890 | <330 | 1,660 | <330 | <330 |
| Polychlorinated biphenyls | NA | NLL | NLL | 3,000,000 | 7,900,000 | 5,200,000 | 5,200,000 | 4,000 (T) | ~ | ~ | ~ | <330 | <330 |
| Acetone | NA | 15,000 | 34,000 | 290,000,000 (C) | 130,000,000 | 390,000,000,000 | 390,000,000,000 | 23,000,000 | <1,000 | <1,000 | <1,000 | <1,000 | <2,000 |
| Acrylonitrile | NA | 100 | 100 | 6,600 | 5,100 | 46,000,000 | 46,000,000 | 16,000 | <100 | <100 | <100 | <100 | <200 |
| Benzene | NA | 100 | 4,000 (X) | 1,600 | 34,000 | 380,000,000 | 380,000,000 | 180,000 | <70 | <60 | <60 | <70 | <80 |
| Bromobenzene | NA | 550 | NA | 310,000 | 450,000 | 530,000,000 | 530,000,000 | 540,000 | <100 | <100 | <100 | <100 | <200 |
| Bromochloromethane | - | - | - | - | - | - | - | - | <100 | <100 | <100 | <100 | <200 |
| Bromodichloromethane | NA | 1,600 (W) | ID | 1,200 | 9,700 | 84,000,000 | 84,000,000 | 110,000 | <100 | <100 | <100 | <100 | <200 |
| Bromoform | NA | 1,600 (W) | ID | 150,000 | 900,000 | 2,800,000,000 | 2,800,000,000 | 820,000 | <100 | <100 | <100 | <100 | <200 |
| Bromomethane | NA | 200 | 700 | 860 | 57,000 | 330,000,000 | 330,000,000 | 320,000 | <300 | <200 | <200 | <300 | <300 |
| 2-Butanone | NA | 260,000 | 44,000 | 54,000,000 (C) | 29,000,000 | 29,000,000 | 120,000,000 (C,DD) | <990 | <870 | <920 | <1,000 | <1,100 | |
| Carbon disulfide | NA | 16,000 | ID | 76,000 | 7,900,000 | 47,000,000,000 | 7,200,000 (C,DD) | <300 | <300 | <300 | <300 | <400 | |
| Carbon tetrachloride | NA | 100 | 900 (X) | 190 | 12,000 | 130,000,000 | 130,000,000 | 96,000 | <70 | <60 | <60 | <70 | <80 |
| Chlorobenzene | NA | 2,000 | 500 | 120,000 | 990,000 | 4,700,000,000 | 4,300,000 (C) | <70 | <60 | <60 | <70 | <80 | |
| Chloroethane | NA | 8,600 | 22,000 | 2,900,000 (C) | 30,000,000 | 280,000,000 | 2,600,000 (C) | <300 | <300 | <300 | <300 | <400 | |
| Chloroform | NA | 1,600 (W) | 7,000 (X) | 7,200 | 120,000 | 1,300,000,000 | 1,200,000 | <70 | <60 | <60 | <70 | <80 | |
| Chloromethane | NA | 5,200 | ID | 2,300 | 410,000 | 4,900,000,000 | 1,600,000 (C) | <300 | <300 | <300 | <300 | <400 | |
| cis-1,2-Dichloroethene | NA | 1,400 | 12,000 | 22,000 | 420,000 | 2,300,000,000 | 2,500,000 (C) | <70 | <60 | <60 | <70 | <80 | |
| cis-1,3-Dichloropropene | - | - | - | - | - | - | - | <70 | <60 | <60 | <70 | <80 | |
| Cyclohexane | - | - | - | - | - | - | - | <70 | <60 | <60 | <70 | <80 | |
| 1,2-Dibromo-3-chloropropane | - | - | - | - | - | - | - | <300 | <300 | <300 | <300 | <400 | |
| Dibromochloromethane | NA | 1,600 (W) | ID | 3,900 | 24,000 | 130,000,000 | 130,000,000 | 110,000 | <100 | <100 | <100 | <100 | <200 |
| Dibromomethane | NA | 1,600 | NA | ID | ID | ID | 2,500,000 (C) | <300 | <300 | <300 | <300 | <400 | |
| 1,2-Dichlorobenzene | NA | 14,000 | 280 | 11,000,000 (C) | 39,000,000 | 52,000,000 | 19,000,000 (C) | <100 | <100 | <100 | <100 | <200 | |
| 1,3-Dichlorobenzene | NA | 170 | 680 | 26,000 | 79,000 | 110,000 | 200,000 (C) | <100 | <100 | <100 | <100 | <200 | |
| 1,4-Dichlorobenzene | NA | 1,700 | 360 | 19,000 | 77,000 | 110,000 | 400,000 | <100 | <100 | <100 | <100 | <200 | |
| Dichlorodifluoromethane | NA | 95,000 | ID | 900,000 | 550,000,000 | 3,300,000,000,000 | 52,000,000 (C) | <300 | <300 | <300 | <300 | <400 | |
| 1,1-Dichloroethane | NA | 18,000 | 15,000 | 230,000 | 5,900,000 | 33,000,000,000 | 27,000,000 (C) | <70 | <60 | <60 | <70 | <80 | |
| 1,2-Dichloroethane | NA | 100 | 7,200 (X) | 2,100 | 11,000 | 120,000,000 | 91,000 | <70 | <60 | <60 | <70 | <80 | |
| 1,1-Dichloroethene | NA | 140 | 2,600 | 62 | 5,300 | 62,000,000 | 200,000 | <70 | <60 | <60 | <70 | <80 | |
| 1,2-Dichloropropane | NA | 100 | 4,600 (X) | 4,000 | 50,000 | 270,000,000 | 140,000 | <70 | <60 | <60 | <70 | <80 | |
| Diethyl ether | NA | 200 | ID | 28,000,000 (C) | 150,000,000 | 800,000,000,000 | 110,000,000 (C) | <300 | <200 | <200 | <300 | <300 | |
| Ethyl benzene | NA | 1,500 | 360 | 87,000 | 1,000,000 | 10,000,000,000 | 22,000,000 (C) | <70 | <60 | <60 | <70 | <80 | |
| Ethylene Dibromide | NA | 20 | 110 | 670 | 1700 | 14,000,000 | 92 | <30 | <20 | <20 | <30 | <30 | |
| Hexachloroethane | NA | 430 | 1,800 (X) | 40,000 | 930,000 | 230,000,000 | 230,000 | <400 | <300 | <400 | <400 | <500 | |
| 2-Hexanone | NA | 20,000 | NA | 990,000 | 1,100,000 | 2,700,000,000 | 32,000,000 (C) | <3,000 | <3,000 | <3,000 | <3,000 | <4,000 | |
| Isopropylbenzene | NA | 91,000 | 3,200 | 400,000 (C) | 1,700,000 | 5,800,000,000 | 25,000,000 (C) | <300 | <300 | <300 | <300 | <400 | |
| Iodomethane | - | - | - | - | - | - | - | <100 | <100 | <100 | <100 | <200 | |
| 4-Methyl-2-pentanone | NA | 36,000 | ID | 37,000,000 (C) | 45,000,000 | 140,000,000,000 | 56,000,000 (C) | <3,000 | <3,000 | <3,000 | <3,000 | <4,000 | |
| Methyl (tert)butyl ether | NA | 800 | 140,000 (X) | 9,900,000 (C) | 39,000,000 | 200,000,000,000 | 1,500,000 | <300 | <200 | <200 | <300 | <300 | |
| Methylene chloride | NA | 100 | 30,000 (X) | 45,000 | 590,000 | 6,600,000,000 | 1,300,000 | <100 | <100 | <100 | <100 | <200 | |
| 2-Methylnaphthalene | NA | 57,000 | 4,200 | 2,700,000 | 1,500,000 | 670,000,000 | 8,100,000 | <100 | <100 | <100 | <100 | <200 | |
| Naphthalene | NA | 35,000 | 730 | 250,000 | 300,000 | 200,000,000 | 16,000,000 | <300 | <300 | <300 | <300 | <400 | |
| n-Butylbenzene | NA | 1,600 | ID | ID | ID | 2,000,000,000 | 2,500,000 | <70 | <60 | <60 | <70 | <80 | |
| n-Propylbenzene | NA | 1,600 | NA | ID | ID | 1,300,000,000 | 2,500,000 | <70 | <60 | <60 | <70 | <80 | |
| p-Isopropyl toluene | - | - | - | - | - | - | - | <100 | <100 | <100 | <100 | | |

Table 1 Summary of Soil Sample Analytical Results
 7850 E. Jefferson Avenue, Detroit, MI
 ASTI Project No. 10105

| Parameters | Statewide Default Background Levels* | Residential Drinking Water Protection Criteria* | Groundwater Surface Water Interface Protection Criteria* | Residential Soil Volatilization to Indoor Air Inhalation Criteria* | Residential Finite Source Volatile Soil Inhalation for 5 Meter Source Thickness | Residential Particulate Soil Inhalation Criteria* | Residential Direct Contact Criteria* | SB-5 5-6' 04/07/2017 µg/kg | Meth Blank - 04/07/2017 µg/kg |
|-----------------------------|---|---|---|---|--|---|---|-------------------------------------|--|
| Total Arsenic | 5,800 | 4,600 | 4,600 | NLV | NLV | 720,000 | 7,600 | 2,350 | ~ |
| Total Barium | 75,000 | 1,300,000 | (G) | NLV | NLV | 330,000,000 | 37,000,000 | 33,200 | ~ |
| Total Cadmium | 1,200 | 6,000 | (G, X) | NLV | NLV | 1,700,000 | 550,000 | 460 | ~ |
| Total Chromium | 18,000 | 30,000 | 3,300 | NLV | NLV | 260,000 | 2,500,000 | 5,010 | ~ |
| Total Copper | 32,000 | 5,800,000 | (G) | NLV | NLV | 130,000,000 | 20,000,000 | 133,000 | ~ |
| Total Lead | 21,000 | 700,000 | (G, X) | NLV | NLV | 100,000,000 | 400,000 | 69,000 | ~ |
| Lead, Fine | 21,000 | 700,000 | (G, X) | NLV | NLV | 100,000,000 | 400,000 | ~ | ~ |
| Lead, Course | 21,000 | 700,000 | (G, X) | NLV | NLV | 100,000,000 | 400,000 | ~ | ~ |
| Lead, Total Calculated | 21,000 | 700,000 | (G, X) | NLV | NLV | 100,000,000 | 400,000 | ~ | ~ |
| Total Mercury | 130 | 1,700 | 50 (M) | 48,000 | 52,000 | 20,000,000 | 160,000 | <50 | ~ |
| Total Selenium | 410 | 4,000 | 400 | NLV | NLV | 130,000,000 | 2,600,000 | <400 | ~ |
| Total Silver | 1,000 | 4,500 | 100 (M) | NLV | NLV | 6,700,000 | 2,500,000 | <200 | ~ |
| Total Zinc | 47,000 | 2,400,000 | (G) | NLV | NLV | ID | 170,000,000 | 293,000 | ~ |
| Acenaphthene | NA | 300,000 | 8,700 | 190,000,000 | 81,000,000 | 14,000,000,000 | 41,000,000 | <330 | ~ |
| Acenaphthylene | NA | 5,900 | ID | 1,600,000 | 2,200,000 | 2,300,000,000 | 1,600,000 | <330 | ~ |
| Anthracene | NA | 41,000 | ID | 1,000,000,000 (D) | 1,400,000,000 | 67,000,000,000 | 230,000,000 | 420 | ~ |
| Benzo (a) anthracene | NA | NLL | NLL | NLV | NLV | ID | 20,000 | 820 | ~ |
| Benzo (a) pyrene | NA | NLL | NLL | NLV | NLV | 1,500,000 | 2,000 | 760 | ~ |
| Benzo (b) fluoranthene | NA | NLL | NLL | ID | ID | ID | 20,000 | 1,290 | ~ |
| Benzo (g,h,i) perylene | NA | NLL | NLL | NLV | NLV | 800,000,000 | 2,500,000 | 410 | ~ |
| Benzo (k) fluoranthene | NA | NLL | NLL | NLV | NLV | ID | 200,000 | 1,390 | ~ |
| Chrysene | NA | NLL | NLL | ID | ID | ID | 2,000,000 | 810 | ~ |
| Dibenzo (a,h) anthracene | NA | NLL | NLL | NLV | NLV | ID | 2,000 | <330 | ~ |
| Fluoranthene | NA | 730,000 | 5,500 | 1,000,000,000 (D) | 740,000,000 | 9,300,000,000 | 46,000,000 | 1,900 | ~ |
| Fluorene | NA | 390,000 | 5,300 | 580,000,000 | 130,000,000 | 9,300,000,000 | 27,000,000 | <330 | ~ |
| Indeno (1,2,3-cd) pyrene | NA | NLL | NLL | NLV | NLV | ID | 20,000 | 420 | ~ |
| 2-Methylnaphthalene | NA | 57,000 | 4,200 | 2,700,000 | 1,500,000 | 670,000,000 | 8,100,000 | <330 | ~ |
| Naphthalene | NA | 35,000 | 730 | 250,000 | 300,000 | 200,000,000 | 16,000,000 | <330 | ~ |
| Phenanthrene | NA | 56,000 | 2,100 | 2,800,000 | 160,000 | 6,700,000 | 1,600,000 | 1,640 | ~ |
| Pyrene | NA | 480,000 | ID | 1,000,000,000 (D) | 650,000,000 | 6,700,000,000 | 29,000,000 | 2,340 | ~ |
| Polychlorinated biphenyls | NA | NLL | NLL | 3,000,000 | 7,900,000 | 5,200,000 | 4,000 (T) | <330 | ~ |
| Acetone | NA | 15,000 | 34,000 | 290,000,000 (C) | 130,000,000 | 390,000,000,000 | 23,000,000 | <1,000 | <1,000 |
| Acrylonitrile | NA | 100 | 100 | 6,600 | 5,100 | 46,000,000 | 16,000 | <100 | <100 |
| Benzene | NA | 100 | 4,000 (X) | 1,600 | 34,000 | 380,000,000 | 180,000 | <70 | <50 |
| Bromobenzene | NA | 550 | NA | 310,000 | 450,000 | 530,000,000 | 540,000 | <100 | <100 |
| Bromochloromethane | - | - | - | - | - | - | - | <100 | <100 |
| Bromodichloromethane | NA | 1,600 (W) | ID | 1,200 | 9,700 | 84,000,000 | 110,000 | <100 | <100 |
| Bromoform | NA | 1,600 (W) | ID | 150,000 | 900,000 | 2,800,000,000 | 820,000 | <100 | <100 |
| Bromomethane | NA | 200 | 700 | 860 | 57,000 | 330,000,000 | 320,000 | <300 | <200 |
| 2-Butanone | NA | 260,000 | 44,000 | 54,000,000 (C) | 29,000,000 | 29,000,000 | 120,000,000 (C,DD) | <1,100 | <750 |
| Carbon disulfide | NA | 16,000 | ID | 76,000 | 7,900,000 | 47,000,000,000 | 7,200,000 (C,DD) | <400 | <300 |
| Carbon tetrachloride | NA | 100 | 900 (X) | 190 | 12,000 | 130,000,000 | 96,000 | <70 | <50 |
| Chlorobenzene | NA | 2,000 | 500 | 120,000 | 990,000 | 4,700,000,000 | 4,300,000 (C) | <70 | <50 |
| Chloroethane | NA | 8,600 | 22,000 | 2,900,000 (C) | 30,000,000 | 280,000,000 | 2,600,000 (C) | <400 | <300 |
| Chloroform | NA | 1,600 (W) | 7,000 (X) | 7,200 | 120,000 | 1,300,000,000 | 1,200,000 | <70 | <50 |
| Chloromethane | NA | 5,200 | ID | 2,300 | 410,000 | 4,900,000,000 | 1,600,000 (C) | <400 | <300 |
| cis-1,2-Dichloroethene | NA | 1,400 | 12,000 | 22,000 | 420,000 | 2,300,000,000 | 2,500,000 (C) | <70 | <50 |
| cis-1,3-Dichloropropene | - | - | - | - | - | - | - | <70 | <50 |
| Cyclohexane | - | - | - | - | - | - | - | <70 | <50 |
| 1,2-Dibromo-3-chloropropane | - | - | - | - | - | - | - | <400 | <300 |
| Dibromochloromethane | NA | 1,600 (W) | ID | 3,900 | 24,000 | 130,000,000 | 110,000 | <100 | <100 |
| Dibromomethane | NA | 1,600 | NA | ID | ID | ID | 2,500,000 (C) | <400 | <300 |
| 1,2-Dichlorobenzene | NA | 14,000 | 280 | 11,000,000 (C) | 39,000,000 | 52,000,000 | 19,000,000 (C) | <100 | <100 |
| 1,3-Dichlorobenzene | NA | 170 | 680 | 26,000 | 79,000 | 110,000 | 200,000 (C) | <100 | <100 |
| 1,4-Dichlorobenzene | NA | 1,700 | 360 | 19,000 | 77,000 | 110,000 | 400,000 | <100 | <100 |
| Dichlorodifluoromethane | NA | 95,000 | ID | 900,000 | 550,000,000 | 3,300,000,000,000 | 52,000,000 (C) | <400 | <300 |
| 1,1-Dichloroethane | NA | 18,000 | 15,000 | 230,000 | 5,900,000 | 33,000,000,000 | 27,000,000 (C) | <70 | <50 |
| 1,2-Dichloroethane | NA | 100 | 7,200 (X) | 2,100 | 11,000 | 120,000,000 | 91,000 | <70 | <50 |
| 1,1-Dichloroethene | NA | 140 | 2,600 | 62 | 5,300 | 62,000,000 | 200,000 | <70 | <50 |
| 1,2-Dichloropropane | NA | 100 | 4,600 (X) | 4,000 | 50,000 | 270,000,000 | 140,000 | <70 | <50 |
| Diethyl ether | NA | 200 | ID | 28,000,000 (C) | 150,000,000 | 800,000,000,000 | 110,000,000 (C) | <300 | <200 |
| Ethyl benzene | NA | 1,500 | 360 | 87,000 | 1,000,000 | 10,000,000,000 | 22,000,000 (C) | <70 | <50 |
| Ethylene Dibromide | NA | 20 | 110 | 670 | 1700 | 14,000,000 | 92 | <30 | <20 |
| Hexachloroethane | NA | 430 | 1,800 (X) | 40,000 | 930,000 | 230,000,000 | 230,000 | <400 | <300 |
| 2-Hexanone | NA | 20,000 | NA | 990,000 | 1,100,000 | 2,700,000,000 | 32,000,000 (C) | <4,000 | <3,000 |
| Isopropylbenzene | NA | 91,000 | 3,200 | 400,000 (C) | 1,700,000 | 5,800,000,000 | 25,000,000 (C) | <400 | <300 |
| Iodomethane | - | - | - | - | - | - | - | <100 | <100 |
| 4-Methyl-2-pentanone | NA | 36,000 | ID | 37,000,000 (C) | 45,000,000 | 140,000,000,000 | 56,000,000 (C) | <4,000 | <3,000 |
| Methyl (tert)butyl ether | NA | 800 | 140,000 (X) | 9,900,000 (C) | 39,000,000 | 200,000,000,000 | 1,500,000 | <300 | <200 |
| Methylene chloride | NA | 100 | 30,000 (X) | 45,000 | 590,000 | 6,600,000,000 | 1,300,000 | <100 | <100 |
| 2-Methylnaphthalene | NA | 57,000 | 4,200 | 2,700,000 | 1,500,000 | 670,000,000 | 8,100,000 | <100 | <100 |
| Naphthalene | NA | 35,000 | 730 | 250,000 | 300,000 | 200,000,000 | 16,000,000 | <400 | <300 |
| n-Butylbenzene | NA | 1,600 | ID | ID | ID | 2,000,000,000 | 2,500,000 | <70 | <50 |
| n-Propylbenzene | NA | 1,600 | NA | ID | ID | 1,300,000,000 | 2,500,000 | <70 | <50 |
| p-Isopropyl toluene | - | - | - | - | - | - | - | <100 | <100 |
| sec-Butylbenzene | NA | 1,600 | ID | ID | ID | 400,000,000 | 2,500,000 | <70 | <50 |
| Styrene | NA | 2,700 | 2100 (X) | 250,000 | 970,000 | 5,500,000,000 | 400,000 | <70 | <50 |
| tert-Butylbenzene | NA | 1,600 | ID | ID | ID | 670,000,000 | 2,500,000 | <70 | <50 |
| 1,1,1,2-Tetrachloroethane | NA | 1,500 | ID | 6,200 | 54,000 | 420,000,000 | 480,000 (C) | <100 | <100 |
| 1,1,2,2-Tetrachloroethane | NA | 170 | 1,600 (X) | 4,300 | 10,000 | 54,000,000 | 53,000 | <70 | <50 |
| Tetrachloroethene | NA | 100 | 1,200 (X) | 11,000 | 480,000 | 2,700,000,000 | 200,000 (C) | <70 | <50 |
| Tetrahydrofuran | NA | 1,900 | 220,000 | 1,300,000 | 67,000,000 | 390,000,000,000 | 2,900,000 | <1,000 | <1,000 |
| Toluene | NA | 16,000 | 5,400 | 330,000 (C) | 5,100,000 | 27,000,000,000 | 5,000,000 (C) | <70 | <50 |
| trans-1,2-Dichloroethene | NA | 2,000 | 30000 (X) | 23,000 | 830,000 | 4,700,000,000 | 3,800,000 (C) | <70 | <50 |
| trans-1,3-Dichloropropene | - | - | - | - | - | - | - | <70 | <50 |
| trans-1,4-Dichloro-2-butene | - | - | - | - | - | - | - | <70 | <50 |
| 1,2,3-Trichlorobenzene | - | - | - | - | - | - | - | <460 | <330 |
| 1,2,4-Trichlorobenzene | NA | 4,200 | 5,900 | 9,600,000 (C) | 28,000,000 | 25,000,000,000 | 990,000 (DD) | <460 | <330 |
| 1,1,1-Trichloroethane | NA | 4,000 | 1,800 | 250,000 | 12,000,000 | 67,000,000,000 | 50,000,000 (C) | <70 | <50 |
| 1,1,2-Trichloroethane | NA | 100 | 6,600 (X) | 4,600 | 21,000 | 190,000,000 | 180,000 | <70 | <50 |
| Trichloroethene | NA | 100 | 4,000 (X) | 1,000 | 25,000 | 130,000,000 | 110,000 (DD) | <70 | <50 |
| Trichlorofluoromethane | NA | 52,000 | NA | 2,800,000 (C) | 630,000,000 | 3,800,000,000,000 | 79,000,000 (C) | <100 | <100 |
| 1,2,3-Trichloropropane | NA | 840 | NA | 4,000 | 9,200 | 20,000,000 | 1,300,000 (C) | <100 | <100 |
| 1,2,3-Trimethylbenzene | - | - | - | - | - | - | - | <70 | <50 |
| 1,2,4-Trimethylbenzene | NA | 2,100 | 570 | 4,300,000 (C) | 50,000,000 | 82,000,000,000 | 32,000,000 (C) | <70 | <50 |
| 1,3,5-Trimethylbenzene | NA | 1,800 | 1,100 | 2,600,000 (C) | 380,000,000 | 82,000,000,000 | 32,000,000 (C) | <70 | <50 |
| Vinyl chloride | NA | 40 | 260 (X) | 270 | 30,000 | 350,000,000 | 3,800 | <70 | <50 |
| Xylenes | NA | 5,600 | 820 | 6,300,000 (C) | 61,000,000 | 290,000,000,000 | 410,000,000 (C) | <200 | <200 |

*Per R299.46, December 30, 2013.

Bolded and highlighted criteria exceeds corresponding bolded and highlighted criteria(a,on)

~ Parameter not tested for at his location.

ID-Inadequate data to develop criterion

NA-Not available.

NLL-Hazardous substance is not likely to leach under most soil conditions.

NLV-Hazardous substance is not likely to volatilize under most conditions.

C-Value presented is a screening level based on the chemical-specific generic soil saturation concentration (Csat)

D-Calculated criterion exceeds 100%, hence it is reduced to 100% or 1.0e+9 ppb.

G-Groundwater Surface Water Interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.

M-Calculated criterion is below the analytical target detection limit, therefore, the criteria defaults to the target detection limit.

T-Refer to the Federal Toxic Substance Control Act (TSCA), 40 CFR 761 Subpart D and 40 CFR 761

Subpart G to determine the applicability of TSCA cleanup standards.

W-Concentrations of trihalomethanes in groundwater shall be added together to determine compliance with the Michigan drinking water standard of 100 ug/L.

X-The Groundwater Surface Water Interface (GSI) criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source.

DD-Hazardous substance causes developmental effects.

ATTACHMENTS

Attachment A

Photo Log

PHOTO LOG

7850 E. Jefferson Avenue, Detroit, Michigan



Photo 1. Advancement of soil boring SB-1



Photo 2. Advancement of soil boring SB-2



Photo 3. Advancement of soil boring SB-3

PHOTO LOG

7850 E. Jefferson Avenue, Detroit, Michigan



Photo 4. Urban debris in a core from soil boring SB-3



Photo 5. Advancement of soil boring SB-4



Photo 6. Advancement of soil boring SB-5

Attachment B
Soil Boring Logs

ASTI Environmental
 10448 Citation Dr., Suite 100
 Brighton, MI 48116

SOIL BORING LOG

Boring Data

Boring ID: SB-1
 Total Depth: 16'

Date Completed: 4/7/2017

Proj. Name: 7850 E. Jefferson Avenue
 Proj. Number: 10105

Site Address: 7850 E. Jefferson Avenue
Detroit, Michigan

Drilled by: ERG
 Method: Geoprobe
 Geologist: Jeremy Efros, CPG

MW Data

Size: NA
 Type: NA
 Screen Length: NA
 Well Depth: NA
 GW Depth (▼): NA

| Depth | | Description | PID (ppm) | Sample Depth |
|-------|-----|---|-----------|------------------|
| From | To | | | |
| 0 | 6" | SILTY fine to medium SAND, trace to some roots, dark brown, moist, medium dense (FILL) | 0.0 | |
| 6" | 3' | SAND, fine to coarse grained, trace gravel, brick, and concrete, brown, moist, loose (FILL) | 0.0 | Soil at 0.5-1.5' |
| 3' | 4' | Brick and concrete | 0.0 | |
| 4' | 16' | SILTY CLAY, trace fine to coarse grained sand and gravel, brown, stiff (CL) | 0.0 | |
| | | End of Boring | | |

Notes:

ppm = parts per million

bgs = below ground surface

Unified Soil Classification System Symbols:

CL = Clay

ASTI Environmental
 10448 Citation Dr., Suite 100
 Brighton, MI 48116

SOIL BORING LOG

Boring Data
 Boring ID: SB-2
 Total Depth: 16'

Date Completed: 4/7/2017

Proj. Name: 7850 E. Jefferson Avenue
Proj. Number: 10105

Site Address: 7850 E. Jefferson Avenue
Detroit, Michigan

Drilled by: ERG
Method: Geoprobe
Geologist: Jeremy Eφος, CPG

MW Data
 Size: NA
 Type: NA
 Screen Length: NA
 Well Depth: NA
 GW Depth (▼): 12' bgs

| Depth | | Description | PID (ppm) | Sample Depth |
|-------|------|---|-----------|------------------|
| From | To | | | |
| 0 | 8" | SILTY fine to medium SAND, trace to some roots, dark brown, moist, loose (FILL) | 0.0 | Soil at 6.5-7.5' |
| 8" | 6.5' | SILTY CLAY, trace fine to coarse grained sand, gravel, and organics, brown, stiff (FILL) | 0.0 | |
| 6.5' | 7.5' | SAND, fine to coarse grained, trace to some slag, trace gravel, dark brown, moist, loose (FILL) | 0.0 | |
| 7.5' | 8' | SILTY CLAY, trace fine to coarse grained sand, gravel, and organics, brown, stiff (FILL) | 0.0 | |
| 8' | 16' | SILTY CLAY, trace fine to coarse sand and gravel, wet fine to coarse grained sand seam at 12' bgs, brown with occasional gray mottles, stiff (CL) | 0.0 | |
| | | End of Boring | | |

Notes:
 ppm = parts per million
 bgs = below ground surface
Unified Soil Classification System Symbols:
 CL = Clay

ASTI Environmental
 10448 Citation Dr., Suite 100
 Brighton, MI 48116

SOIL BORING LOG

Boring Data
 Boring ID: SB-3
 Total Depth: 16'

Date Completed: 4/7/2017

Proj. Name: 7850 E. Jefferson Avenue
Proj. Number: 10105

Site Address: 7850 E. Jefferson Avenue
Detroit, Michigan

Drilled by: ERG
Method: Geoprobe
Geologist: Jeremy Eφος, CPG

MW Data
 Size: NA
 Type: NA
 Screen Length: NA
 Well Depth: NA
 GW Depth (▼): 12' bgs

| Depth | | Description | PID (ppm) | Sample Depth |
|-------|-----|--|-----------|---------------|
| From | To | | | |
| 0 | 6" | SILTY fine to medium SAND, trace to some roots, dark brown, moist, loose (FILL) | 0.0 | Soil at 9-10' |
| 6" | 1' | SILTY CLAY, trace fine to coarse grained sand, brown, stiff (FILL) | 0.0 | |
| 1' | 9' | SAND, fine to coarse grained, trace to some gravel, trace silt, cobbles, concrete, and brick, brown, moist, loose (FILL) | 0.0 | |
| 9' | 10' | SAND, fine to coarse grained, trace to some gravel, trace silt, cobbles, concrete, brick, and foundry sand, brown, moist, loose (FILL) | 0.0 | |
| 10' | 12' | SILTY CLAY, trace fine to coarse grained sand, brown, stiff (FILL) | 0.0 | |
| 12' | 13' | SAND, fine to coarse grained, trace to some gravel, trace concrete, brown, wet, loose (FILL) | 0.0 | |
| 13' | 16' | SILTY CLAY, trace fine to coarse sand and gravel, brown, stiff (CL) | 0.0 | |
| | | End of Boring | | |

Notes:
 ppm = parts per million
 bgs = below ground surface
Unified Soil Classification System Symbols:
 CL = Clay

ASTI Environmental
 10448 Citation Dr., Suite 100
 Brighton, MI 48116

SOIL BORING LOG

Boring Data

Boring ID: SB-4
 Total Depth: 16'

Date Completed: 4/7/2017

Proj. Name: 7850 E. Jefferson Avenue
 Proj. Number: 10105

Site Address: 7850 E. Jefferson Avenue
Detroit, Michigan

Drilled by: ERG
 Method: Geoprobe
 Geologist: Jeremy Eφος, CPG

MW Data

Size: NA
 Type: NA
 Screen Length: NA
 Well Depth: NA

GW Depth (▼): 8' bgs

| Depth | | Description | PID (ppm) | Sample Depth |
|-------|-------|--|-----------|--------------|
| From | To | | | |
| 0 | 6" | SILTY fine to medium SAND, trace to some roots, dark brown, moist, medium dense (FILL) | 0.0 | Soil at 7-8' |
| 6" | 6.5' | SILTY CLAY, trace fine to coarse sand and gravel, frequent silty sand seams, brown, medium stiff (FILL) | 0.0 | |
| 6.5' | 8' | SAND, fine to coarse grained, trace gravel, slag, and roots, black, moist, medium dense (FILL) | 0.0 | |
| 8' | 10.5' | SAND, fine to medium grained, trace gravel and organics, occasional silty sand seams, brown to dark brown, wet, loose (FILL) | 0.0 | |
| 10.5' | 14' | SAND, fine to medium grained, trace to some silt, trace gravel, brown, wet, medium dense (SW) | 0.0 | |
| 14' | 16' | SILTY CLAY, trace fine to coarse sand and gravel, gray, medium stiff (CL) | 0.0 | |
| | | End of Boring | | |

Notes:

ppm = parts per million

bgs = below ground surface

Unified Soil Classification System Symbols:

CL = Clay

SW = Well graded sand

ASTI Environmental
 10448 Citation Dr., Suite 100
 Brighton, MI 48116

SOIL BORING LOG

Boring Data

Boring ID: SB-5
 Total Depth: 16'

Date Completed: 4/7/2017

Proj. Name: 7850 E. Jefferson Avenue
 Proj. Number: 10105

Site Address: 7850 E. Jefferson Avenue
Detroit, Michigan

Drilled by: ERG
 Method: Geoprobe
 Geologist: Jeremy Eφος, CPG

MW Data

Size: NA
 Type: NA
 Screen Length: NA
 Well Depth: NA

GW Depth (▼): 8' bgs

| Depth | | Description | PID (ppm) | Sample Depth |
|-------|------|--|-----------|--------------|
| From | To | | | |
| 0 | 6" | SILTY fine to medium SAND, trace to some roots, dark brown, moist, medium dense (FILL) | 0.0 | Soil at 5-6' |
| 6" | 3.5' | SILTY CLAY, trace fine to coarse grained sand and gravel, brown, medium stiff (FILL) | 0.0 | |
| 3.5' | 6' | SILTY fine SAND, trace clay, medium to coarse grained sand, gravel, brick, and organics, brown, moist, medium dense (FILL) | 0.0 | |
| 6' | 12' | SILTY fine SAND, trace organics, occasional silty clay seams, brown, moist to wet at 8' bgs, medium dense (FILL) | 0.0 | |
| 12' | 14' | SILTY CLAY, trace fine to coarse grained sand and gravel, brown, stiff (CL) | 0.0 | |
| 14' | 16' | SAND, fine grained, some silt, trace gravel, brown, wet, medium dense (SW) | 0.0 | |
| | | End of Boring | | |

Notes:

ppm = parts per million

bgs = below ground surface

Unified Soil Classification System Symbols:

CL = Clay

SW = Well graded sand

Attachment C

Analytical Laboratory Results and Chain-of-Custody Documentation



Analytical Laboratory Report

Supplemental Report

Report ID: S80482.01(02)
Generated on 04/19/2017

Report to

Attention: Brian Kuberski
ASTI Environmental
10448 Citation Dr.
Suite 100
Brighton, MI 48116

Phone: 810-225-2800 FAX: 810-225-3800
Email: bkuberski@asti-env.com

Additional Contacts: Brad Buswell, George Kandler, Jeremy Efros

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Report Summary

Lab Sample ID(s): S80482.01-S80482.07
Project: 10105 / 7850 E. Jefferson
Collected Date: 04/07/2017
Submitted Date/Time: 04/10/2017 13:25
Sampled by: Jeremy Efros
P.O. #:

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Maya Murshak
Technical Director



Analytical Laboratory Report

Supplemental Report

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Report Narrative

Fine and coarse lead added to sample .01 per client request



Laboratory Certifications

| Authority | Certification ID |
|---------------------|------------------|
| Michigan DEQ | #9956 |
| DOD ELAP/ISO 17025 | #69699 |
| WBENC | #2005110032 |
| Ohio VAP | #CL0002 |
| Indiana DOH | #C-MI-07 |
| New York NELAC | #11814 |
| North Carolina DENR | #680 |
| North Carolina DOH | #26702 |

Qualifier Descriptions

| Qualifier | Description |
|-----------|---|
| ! | Result is outside of stated limit criteria |
| B | Compound also found in associated method blank |
| E | Concentration exceeds calibration range |
| F | Analysis run outside of holding time |
| G | Estimated result due to extraction run outside of holding time |
| H | Sample submitted and run outside of holding time |
| I | Matrix interference with internal standard |
| J | Estimated value less than reporting limit, but greater than MDL |
| L | Elevated reporting limit due to low sample amount |
| M | Result reported to MDL not RDL |
| O | Analysis performed by outside laboratory. See attached report. |
| R | Preliminary result |
| S | Surrogate recovery outside of control limits |
| T | No correction for total solids |
| X | Elevated reporting limit due to matrix interference |
| Y | Elevated reporting limit due to high target concentration |
| b | Value detected less than reporting limit, but greater than MDL |
| e | Reported value estimated due to interference |
| j | Analyte also found in associated method blank |
| p | Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak. |
| x | Preserved from bulk sample |

Glossary of Abbreviations

| Abbreviation | Description |
|--------------|--|
| RL/RDL | Reporting Limit |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| SW | EPA SW 846 (Soil and Wastewater) Methods |
| E | EPA Methods |
| SM | Standard Methods |



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Method Summary

| Method | Version |
|---------------|---|
| SM2540B | Standard Method 2540 B 20th Edition |
| SW3050B | SW 846 Method 3050B Revision 2 December 1996 |
| SW3550C | SW 846 Method 3550C Revision 3 February 2007 |
| SW5035A/8260C | SW 846 Method 8260C Revision 3 August 2006 / 5035A Revision 1 July 2002 |
| SW6020A | SW 846 Method 6020A Revision 1 February 2007 |
| SW7471B | SW 846 Method 7471B Revision 2 February 2007 |
| SW8082A | SW 846 Method 8082A Revision 1 February 2007 |
| SW8270D | SW 846 Method 8270D Revision 4 February 2007 |



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Sample Summary (7 samples)

| Sample ID | Sample Tag | Matrix | Collected Date/Time |
|-----------|-----------------|----------|---------------------|
| S80482.01 | SB-1 (0.5-1.5') | Soil | 04/07/17 09:40 |
| S80482.02 | SB-2 (6.5-7.5') | Soil | 04/07/17 10:10 |
| S80482.03 | SB-3 (9-10') | Soil | 04/07/17 10:50 |
| S80482.04 | SB-4 (7-8') | Soil | 04/07/17 11:40 |
| S80482.05 | SB-5 (5-6') | Soil | 04/07/17 12:15 |
| S80482.06 | Meth Blank | Methanol | 04/07/17 00:01 |
| S80482.07 | Dup1-S | Soil | 04/07/17 00:01 |



Analytical Laboratory Report

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Lab Sample ID: S80482.01
 Sample Tag: SB-1 (0.5-1.5')
 Collected Date/Time: 04/07/2017 09:40
 Matrix: Soil
 COC Reference: 102419

Sample Containers

| # | Type | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|------------|-----------------|---------------|-------------------|---------------|
| 1 | 40ml Glass | MeOH | Yes | 5.4 | IR |
| 1 | 4oz Glass | None | Yes | 5.4 | IR |

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|----------|---------|-------|----|--------|---------------|------|-------|-------|
|----------|---------|-------|----|--------|---------------|------|-------|-------|

Extraction / Prep.

| | | | | | | | | |
|-----------------------------|-----------|--|--|---------|----------------|-----|--|--|
| Lead, Coarse Digestion* | Completed | | | SW3050B | 04/19/17 11:00 | CCM | | |
| Lead, Fine and Coarse Prep* | Completed | | | SW3050B | 04/19/17 11:00 | CCM | | |
| Lead, Fine Digestion* | Completed | | | SW3050B | 04/19/17 11:00 | CCM | | |
| Mercury Digestion | Completed | | | SW7471B | 04/13/17 12:00 | JRH | | |
| Metal Digestion | Completed | | | SW3050B | 04/12/17 10:00 | PER | | |
| PNA Extraction | Completed | | | SW3550C | 04/11/17 17:55 | EMR | | |

Inorganics

| | | | | | | | | |
|---------------|----|---|---|---------|----------------|-----|--|--|
| Total Solids* | 84 | % | 1 | SM2540B | 04/11/17 09:25 | JBL | | |
| Total Solids* | 85 | % | 1 | SM2540B | 04/19/17 11:00 | CCM | | |

Metals

| | | | | | | | | |
|------------------------|--------------|-------|-------|---------|----------------|-----|------------|--|
| % Coarse by Weight* | 85 | % | | SW6020A | 04/19/17 11:00 | CCM | | |
| % Fine by Weight* | 15 | % | | SW6020A | 04/19/17 11:00 | CCM | | |
| Arsenic | 3.63 | mg/kg | 0.20 | SW6020A | 04/12/17 15:07 | PER | 7440-38-2 | |
| Barium | 285 | mg/kg | 1.0 | SW6020A | 04/12/17 15:07 | PER | 7440-39-3 | |
| Cadmium | 0.42 | mg/kg | 0.20 | SW6020A | 04/12/17 15:07 | PER | 7440-43-9 | |
| Chromium | 7.62 | mg/kg | 0.50 | SW6020A | 04/12/17 15:07 | PER | 7440-47-3 | |
| Copper | 27.1 | mg/kg | 0.50 | SW6020A | 04/12/17 15:07 | PER | 7440-50-8 | |
| Lead, Coarse | 165 | mg/kg | 0.20 | SW6020A | 04/19/17 13:46 | CCM | 7439-92-1 | |
| Lead, Fine | 518 | mg/kg | 0.20 | SW6020A | 04/19/17 13:48 | CCM | | |
| Lead, Total Calculated | 217 | mg/kg | | SW6020A | 04/19/17 14:01 | CCM | 7439-92-1C | |
| Lead | 212 | mg/kg | 0.20 | SW6020A | 04/12/17 15:07 | PER | 7439-92-1 | |
| Mercury | 0.187 | mg/kg | 0.050 | SW7471B | 04/13/17 14:52 | JRH | 7439-97-6 | |
| Selenium | Not detected | mg/kg | 0.40 | SW6020A | 04/12/17 15:07 | PER | 7782-49-2 | |
| Silver | Not detected | mg/kg | 0.20 | SW6020A | 04/12/17 15:07 | PER | 7440-22-4 | |
| Zinc | 189 | mg/kg | 0.50 | SW6020A | 04/12/17 15:07 | PER | 7440-66-6 | |

Organics - Semi-Volatiles

Polynuclear Aromatics

| | | | | | | | | |
|-----------------------|--------------|-------|-----|---------|----------------|----|----------|---|
| Acenaphthene | Not detected | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 83-32-9 | |
| Acenaphthylene | Not detected | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 208-96-8 | |
| Anthracene | Not detected | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 120-12-7 | |
| Benzo(a)anthracene | 500 | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 56-55-3 | |
| Benzo(a)pyrene | 530 | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 50-32-8 | |
| Benzo(b)fluoranthene | 930 | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 205-99-2 | p |
| Benzo(ghi)perylene | Not detected | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 191-24-2 | |
| Benzo(k)fluoranthene | 1,000 | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 207-08-9 | p |
| Chrysene | 530 | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 218-01-9 | |
| Dibenzo(ah)anthracene | Not detected | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 53-70-3 | |
| Fluoranthene | 950 | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 206-44-0 | |

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.01 (continued)

Sample Tag: SB-1 (0.5-1.5')

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|--|--------------|-------|-------|---------------|----------------|------|------------|-------|
| Organics - Semi-Volatiles (continued) | | | | | | | | |
| Polynuclear Aromatics (continued) | | | | | | | | |
| Fluorene | Not detected | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | Not detected | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 193-39-5 | |
| 2-Methylnaphthalene | Not detected | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 91-57-6 | |
| Naphthalene | Not detected | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 91-20-3 | |
| Phenanthrene | 610 | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 85-01-8 | |
| Pyrene | 890 | ug/kg | 330 | SW8270D | 04/12/17 20:48 | PL | 129-00-0 | |
| Organics - Volatiles | | | | | | | | |
| Volatile Organics 5035 | | | | | | | | |
| Acetone | Not detected | ug/kg | 1,000 | SW5035A/8260C | 04/11/17 23:15 | JML | 67-64-1 | |
| Acrylonitrile | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 107-13-1 | |
| Benzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 71-43-2 | |
| Bromobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 108-86-1 | |
| Bromochloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 74-97-5 | |
| Bromodichloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 75-27-4 | |
| Bromoform* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 75-25-2 | |
| Bromomethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:15 | JML | 74-83-9 | |
| 2-Butanone (MEK)* | Not detected | ug/kg | 990 | SW5035A/8260C | 04/11/17 23:15 | JML | 78-93-3 | |
| Carbon disulfide | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:15 | JML | 75-15-0 | |
| Carbon tetrachloride | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 56-23-5 | |
| Chlorobenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 108-90-7 | |
| Chloroethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:15 | JML | 75-00-3 | |
| Chloroform | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 67-66-3 | |
| Chloromethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:15 | JML | 74-87-3 | |
| cis-1,2-Dichloroethene* | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 156-59-2 | |
| cis-1,3-Dichloropropene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 10061-01-5 | |
| Cyclohexane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 110-82-7 | |
| 1,2-Dibromo-3-chloropropane* | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:15 | JML | 96-12-8 | |
| Dibromochloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 124-48-1 | |
| Dibromomethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:15 | JML | 74-95-3 | |
| 1,2-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 95-50-1 | |
| 1,3-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 541-73-1 | |
| 1,4-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 106-46-7 | |
| Dichlorodifluoromethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:15 | JML | 75-71-8 | |
| 1,1-Dichloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 75-34-3 | |
| 1,2-Dichloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 107-06-2 | |
| 1,1-Dichloroethene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 75-35-4 | |
| 1,2-Dichloropropane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 78-87-5 | |
| Diethyl ether | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:15 | JML | 60-29-7 | |
| Ethylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 100-41-4 | |
| 1,2-Dibromoethane* | Not detected | ug/kg | 30 | SW5035A/8260C | 04/11/17 23:15 | JML | 106-93-4 | M |
| Hexachloroethane | Not detected | ug/kg | 400 | SW5035A/8260C | 04/11/17 23:15 | JML | 67-72-1 | |
| 2-Hexanone* | Not detected | ug/kg | 3,000 | SW5035A/8260C | 04/11/17 23:15 | JML | 591-78-6 | |
| Isopropylbenzene | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:15 | JML | 98-82-8 | |
| Methyl iodide | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 74-88-4 | |
| 4-Methyl-2-pentanone (MIBK)* | Not detected | ug/kg | 3,000 | SW5035A/8260C | 04/11/17 23:15 | JML | 108-10-1 | |
| tert-Methyl butyl ether (MTBE)* | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:15 | JML | 1634-04-4 | |
| Methylene chloride | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 75-09-2 | |

M-Result reported to MDL not RDL



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.01 (continued)

Sample Tag: SB-1 (0.5-1.5')

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|---|--------------|-------|-------|---------------|----------------|------|------------|-------|
| Organics - Volatiles (continued) | | | | | | | | |
| Volatile Organics 5035 (continued) | | | | | | | | |
| 2-Methylnaphthalene* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 91-57-6 | |
| Naphthalene* | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:15 | JML | 91-20-3 | |
| n-Butylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 104-51-8 | |
| n-Propylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 103-65-1 | |
| p-Isopropyltoluene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 99-87-6 | |
| sec-Butylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 135-98-8 | |
| Styrene* | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 100-42-5 | |
| tert-Butylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 98-06-6 | |
| 1,1,1,2-Tetrachloroethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 79-34-5 | |
| Tetrachloroethene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 127-18-4 | |
| Tetrahydrofuran* | Not detected | ug/kg | 1,000 | SW5035A/8260C | 04/11/17 23:15 | JML | 109-99-9 | |
| Toluene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 108-88-3 | |
| trans-1,2-Dichloroethene* | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 156-60-5 | |
| trans-1,3-Dichloropropene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 10061-02-6 | |
| trans-1,4-Dichloro-2-butene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 110-57-6 | |
| 1,2,3-Trichlorobenzene | Not detected | ug/kg | 440 | SW5035A/8260C | 04/11/17 23:15 | JML | 87-61-6 | |
| 1,2,4-Trichlorobenzene | Not detected | ug/kg | 440 | SW5035A/8260C | 04/11/17 23:15 | JML | 120-82-1 | |
| 1,1,1-Trichloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 71-55-6 | |
| 1,1,2-Trichloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 79-00-5 | |
| Trichloroethene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 79-01-6 | |
| Trichlorofluoromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 75-69-4 | |
| 1,2,3-Trichloropropane* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:15 | JML | 96-18-4 | |
| 1,2,3-Trimethylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 526-73-8 | |
| 1,2,4-Trimethylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 95-63-6 | |
| 1,3,5-Trimethylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 108-67-8 | |
| Vinyl chloride | Not detected | ug/kg | 70 | SW5035A/8260C | 04/11/17 23:15 | JML | 75-01-4 | |
| Total Xylenes | Not detected | ug/kg | 200 | SW5035A/8260C | 04/11/17 23:15 | JML | 1330-20-7 | |



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.02
 Sample Tag: SB-2 (6.5-7.5')
 Collected Date/Time: 04/07/2017 10:10
 Matrix: Soil
 COC Reference: 102419

Sample Containers

| # | Type | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|------------|-----------------|---------------|-------------------|---------------|
| 1 | 40ml Glass | MeOH | Yes | 5.4 | IR |
| 1 | 4oz Glass | None | Yes | 5.4 | IR |

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|----------|---------|-------|----|--------|---------------|------|-------|-------|
|----------|---------|-------|----|--------|---------------|------|-------|-------|

Extraction / Prep.

| | | | | | | | | |
|-------------------|-----------|--|--|---------|----------------|-----|--|--|
| Mercury Digestion | Completed | | | SW7471B | 04/13/17 12:00 | JRH | | |
| Metal Digestion | Completed | | | SW3050B | 04/12/17 10:00 | PER | | |
| PNA Extraction | Completed | | | SW3550C | 04/12/17 19:49 | EMR | | |

Inorganics

| | | | | | | | | |
|---------------|----|---|---|---------|----------------|-----|--|--|
| Total Solids* | 89 | % | 1 | SM2540B | 04/11/17 09:25 | JBL | | |
|---------------|----|---|---|---------|----------------|-----|--|--|

Metals

| | | | | | | | | |
|----------|--------------|-------|-------|---------|----------------|-----|-----------|--|
| Arsenic | 6.28 | mg/kg | 0.20 | SW6020A | 04/12/17 13:45 | PER | 7440-38-2 | |
| Barium | 42.7 | mg/kg | 1.0 | SW6020A | 04/12/17 13:45 | PER | 7440-39-3 | |
| Cadmium | Not detected | mg/kg | 0.20 | SW6020A | 04/12/17 13:45 | PER | 7440-43-9 | |
| Chromium | 12.1 | mg/kg | 0.50 | SW6020A | 04/12/17 13:45 | PER | 7440-47-3 | |
| Copper | 14.2 | mg/kg | 0.50 | SW6020A | 04/12/17 13:45 | PER | 7440-50-8 | |
| Lead | 14.7 | mg/kg | 0.20 | SW6020A | 04/12/17 13:45 | PER | 7439-92-1 | |
| Mercury | 0.068 | mg/kg | 0.050 | SW7471B | 04/13/17 15:01 | JRH | 7439-97-6 | |
| Selenium | Not detected | mg/kg | 0.40 | SW6020A | 04/12/17 13:45 | PER | 7782-49-2 | |
| Silver | Not detected | mg/kg | 0.20 | SW6020A | 04/12/17 13:45 | PER | 7440-22-4 | |
| Zinc | 26.5 | mg/kg | 0.50 | SW6020A | 04/12/17 13:45 | PER | 7440-66-6 | |

Organics - Semi-Volatiles

Polynuclear Aromatics

| | | | | | | | | |
|------------------------|--------------|-------|-----|---------|----------------|----|----------|--|
| Acenaphthene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 83-32-9 | |
| Acenaphthylene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 208-96-8 | |
| Anthracene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 120-12-7 | |
| Benzo(a)anthracene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 56-55-3 | |
| Benzo(a)pyrene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 50-32-8 | |
| Benzo(b)fluoranthene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 205-99-2 | |
| Benzo(ghi)perylene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 191-24-2 | |
| Benzo(k)fluoranthene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 207-08-9 | |
| Chrysene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 218-01-9 | |
| Dibenzo(ah)anthracene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 53-70-3 | |
| Fluoranthene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 206-44-0 | |
| Fluorene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 193-39-5 | |
| 2-Methylnaphthalene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 91-57-6 | |
| Naphthalene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 91-20-3 | |
| Phenanthrene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 85-01-8 | |
| Pyrene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:06 | PL | 129-00-0 | |

Organics - Volatiles

Volatile Organics 5035

| | | | | | | | | |
|---------|--------------|-------|-------|---------------|----------------|-----|---------|--|
| Acetone | Not detected | ug/kg | 1,000 | SW5035A/8260C | 04/11/17 23:36 | JML | 67-64-1 | |
|---------|--------------|-------|-------|---------------|----------------|-----|---------|--|



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.02 (continued)

Sample Tag: SB-2 (6.5-7.5')

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|---|--------------|-------|-------|---------------|----------------|------|------------|-------|
| Organics - Volatiles (continued) | | | | | | | | |
| Volatile Organics 5035 (continued) | | | | | | | | |
| Acrylonitrile | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 107-13-1 | |
| Benzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 71-43-2 | |
| Bromobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 108-86-1 | |
| Bromochloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 74-97-5 | |
| Bromodichloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 75-27-4 | |
| Bromoform* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 75-25-2 | |
| Bromomethane | Not detected | ug/kg | 200 | SW5035A/8260C | 04/11/17 23:36 | JML | 74-83-9 | |
| 2-Butanone (MEK)* | Not detected | ug/kg | 870 | SW5035A/8260C | 04/11/17 23:36 | JML | 78-93-3 | |
| Carbon disulfide | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:36 | JML | 75-15-0 | |
| Carbon tetrachloride | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 56-23-5 | |
| Chlorobenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 108-90-7 | |
| Chloroethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:36 | JML | 75-00-3 | |
| Chloroform | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 67-66-3 | |
| Chloromethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:36 | JML | 74-87-3 | |
| cis-1,2-Dichloroethene* | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 156-59-2 | |
| cis-1,3-Dichloropropene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 10061-01-5 | |
| Cyclohexane | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 110-82-7 | |
| 1,2-Dibromo-3-chloropropane* | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:36 | JML | 96-12-8 | |
| Dibromochloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 124-48-1 | |
| Dibromomethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:36 | JML | 74-95-3 | |
| 1,2-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 95-50-1 | |
| 1,3-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 541-73-1 | |
| 1,4-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 106-46-7 | |
| Dichlorodifluoromethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:36 | JML | 75-71-8 | |
| 1,1-Dichloroethane | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 75-34-3 | |
| 1,2-Dichloroethane | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 107-06-2 | |
| 1,1-Dichloroethene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 75-35-4 | |
| 1,2-Dichloropropane | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 78-87-5 | |
| Diethyl ether | Not detected | ug/kg | 200 | SW5035A/8260C | 04/11/17 23:36 | JML | 60-29-7 | |
| Ethylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 100-41-4 | |
| 1,2-Dibromoethane* | Not detected | ug/kg | 20 | SW5035A/8260C | 04/11/17 23:36 | JML | 106-93-4 | M |
| Hexachloroethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:36 | JML | 67-72-1 | |
| 2-Hexanone* | Not detected | ug/kg | 3,000 | SW5035A/8260C | 04/11/17 23:36 | JML | 591-78-6 | |
| Isopropylbenzene | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:36 | JML | 98-82-8 | |
| Methyl iodide | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 74-88-4 | |
| 4-Methyl-2-pentanone (MIBK)* | Not detected | ug/kg | 3,000 | SW5035A/8260C | 04/11/17 23:36 | JML | 108-10-1 | |
| tert-Methyl butyl ether (MTBE)* | Not detected | ug/kg | 200 | SW5035A/8260C | 04/11/17 23:36 | JML | 1634-04-4 | |
| Methylene chloride | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 75-09-2 | |
| 2-Methylnaphthalene* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 91-57-6 | |
| Naphthalene* | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:36 | JML | 91-20-3 | |
| n-Butylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 104-51-8 | |
| n-Propylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 103-65-1 | |
| p-Isopropyltoluene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 99-87-6 | |
| sec-Butylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 135-98-8 | |
| Styrene* | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 100-42-5 | |
| tert-Butylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 98-06-6 | |
| 1,1,1,2-Tetrachloroethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 79-34-5 | |

M-Result reported to MDL not RDL



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.02 (continued)

Sample Tag: SB-2 (6.5-7.5')

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|---|--------------|-------|-------|---------------|----------------|------|------------|-------|
| Organics - Volatiles (continued) | | | | | | | | |
| Volatile Organics 5035 (continued) | | | | | | | | |
| Tetrachloroethene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 127-18-4 | |
| Tetrahydrofuran* | Not detected | ug/kg | 1,000 | SW5035A/8260C | 04/11/17 23:36 | JML | 109-99-9 | |
| Toluene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 108-88-3 | |
| trans-1,2-Dichloroethene* | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 156-60-5 | |
| trans-1,3-Dichloropropene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 10061-02-6 | |
| trans-1,4-Dichloro-2-butene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 110-57-6 | |
| 1,2,3-Trichlorobenzene | Not detected | ug/kg | 380 | SW5035A/8260C | 04/11/17 23:36 | JML | 87-61-6 | |
| 1,2,4-Trichlorobenzene | Not detected | ug/kg | 380 | SW5035A/8260C | 04/11/17 23:36 | JML | 120-82-1 | |
| 1,1,1-Trichloroethane | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 71-55-6 | |
| 1,1,2-Trichloroethane | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 79-00-5 | |
| Trichloroethene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 79-01-6 | |
| Trichlorofluoromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 75-69-4 | |
| 1,2,3-Trichloropropane* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:36 | JML | 96-18-4 | |
| 1,2,3-Trimethylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 526-73-8 | |
| 1,2,4-Trimethylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 95-63-6 | |
| 1,3,5-Trimethylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 108-67-8 | |
| Vinyl chloride | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:36 | JML | 75-01-4 | |
| Total Xylenes | Not detected | ug/kg | 200 | SW5035A/8260C | 04/11/17 23:36 | JML | 1330-20-7 | |



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.03
 Sample Tag: SB-3 (9-10')
 Collected Date/Time: 04/07/2017 10:50
 Matrix: Soil
 COC Reference: 102419

Sample Containers

| # | Type | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|------------|-----------------|---------------|-------------------|---------------|
| 1 | 40ml Glass | MeOH | Yes | 5.4 | IR |
| 1 | 4oz Glass | None | Yes | 5.4 | IR |

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|----------|---------|-------|----|--------|---------------|------|-------|-------|
|----------|---------|-------|----|--------|---------------|------|-------|-------|

Extraction / Prep.

| | | | | | | | | |
|-------------------|-----------|--|--|---------|----------------|-----|--|--|
| Mercury Digestion | Completed | | | SW7471B | 04/13/17 12:00 | JRH | | |
| Metal Digestion | Completed | | | SW3050B | 04/12/17 10:00 | PER | | |
| PNA Extraction | Completed | | | SW3550C | 04/12/17 19:49 | EMR | | |

Inorganics

| | | | | | | | | |
|---------------|----|---|---|---------|----------------|-----|--|--|
| Total Solids* | 89 | % | 1 | SM2540B | 04/11/17 09:25 | JBL | | |
|---------------|----|---|---|---------|----------------|-----|--|--|

Metals

| | | | | | | | | |
|----------|--------------|-------|-------|---------|----------------|-----|-----------|--|
| Arsenic | 2.36 | mg/kg | 0.20 | SW6020A | 04/12/17 14:36 | PER | 7440-38-2 | |
| Barium | 99.4 | mg/kg | 1.0 | SW6020A | 04/12/17 14:36 | PER | 7440-39-3 | |
| Cadmium | Not detected | mg/kg | 0.20 | SW6020A | 04/12/17 14:36 | PER | 7440-43-9 | |
| Chromium | 5.67 | mg/kg | 0.50 | SW6020A | 04/12/17 14:36 | PER | 7440-47-3 | |
| Copper | 6.58 | mg/kg | 0.50 | SW6020A | 04/12/17 14:36 | PER | 7440-50-8 | |
| Lead | 37.7 | mg/kg | 0.20 | SW6020A | 04/12/17 14:36 | PER | 7439-92-1 | |
| Mercury | 0.190 | mg/kg | 0.050 | SW7471B | 04/13/17 14:54 | JRH | 7439-97-6 | |
| Selenium | Not detected | mg/kg | 0.40 | SW6020A | 04/12/17 14:36 | PER | 7782-49-2 | |
| Silver | Not detected | mg/kg | 0.20 | SW6020A | 04/12/17 14:36 | PER | 7440-22-4 | |
| Zinc | 41.3 | mg/kg | 0.50 | SW6020A | 04/12/17 14:36 | PER | 7440-66-6 | |

Organics - Semi-Volatiles

Polynuclear Aromatics

| | | | | | | | | |
|------------------------|--------------|-------|-----|---------|----------------|----|----------|---|
| Acenaphthene | Not detected | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 83-32-9 | |
| Acenaphthylene | Not detected | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 208-96-8 | |
| Anthracene | Not detected | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 120-12-7 | |
| Benzo(a)anthracene | 660 | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 56-55-3 | |
| Benzo(a)pyrene | 630 | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 50-32-8 | |
| Benzo(b)fluoranthene | 1,040 | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 205-99-2 | p |
| Benzo(ghi)perylene | Not detected | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 191-24-2 | |
| Benzo(k)fluoranthene | 1,120 | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 207-08-9 | p |
| Chrysene | 700 | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 218-01-9 | |
| Dibenzo(ah)anthracene | Not detected | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 53-70-3 | |
| Fluoranthene | 1,250 | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 206-44-0 | |
| Fluorene | Not detected | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | Not detected | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 193-39-5 | |
| 2-Methylnaphthalene | Not detected | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 91-57-6 | |
| Naphthalene | Not detected | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 91-20-3 | |
| Phenanthrene | 1,070 | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 85-01-8 | |
| Pyrene | 1,660 | ug/kg | 330 | SW8270D | 04/15/17 03:05 | PL | 129-00-0 | |

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.03 (continued)

Sample Tag: SB-3 (9-10')

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|---------------------------------|--------------|-------|-------|---------------|----------------|------|------------|-------|
| Organics - Volatiles | | | | | | | | |
| Volatile Organics 5035 | | | | | | | | |
| Acetone | Not detected | ug/kg | 1,000 | SW5035A/8260C | 04/11/17 23:56 | JML | 67-64-1 | |
| Acrylonitrile | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 107-13-1 | |
| Benzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 71-43-2 | |
| Bromobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 108-86-1 | |
| Bromochloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 74-97-5 | |
| Bromodichloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 75-27-4 | |
| Bromoform* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 75-25-2 | |
| Bromomethane | Not detected | ug/kg | 200 | SW5035A/8260C | 04/11/17 23:56 | JML | 74-83-9 | |
| 2-Butanone (MEK)* | Not detected | ug/kg | 920 | SW5035A/8260C | 04/11/17 23:56 | JML | 78-93-3 | |
| Carbon disulfide | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:56 | JML | 75-15-0 | |
| Carbon tetrachloride | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 56-23-5 | |
| Chlorobenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 108-90-7 | |
| Chloroethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:56 | JML | 75-00-3 | |
| Chloroform | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 67-66-3 | |
| Chloromethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:56 | JML | 74-87-3 | |
| cis-1,2-Dichloroethene* | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 156-59-2 | |
| cis-1,3-Dichloropropene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 10061-01-5 | |
| Cyclohexane | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 110-82-7 | |
| 1,2-Dibromo-3-chloropropane* | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:56 | JML | 96-12-8 | |
| Dibromochloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 124-48-1 | |
| Dibromomethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:56 | JML | 74-95-3 | |
| 1,2-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 95-50-1 | |
| 1,3-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 541-73-1 | |
| 1,4-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 106-46-7 | |
| Dichlorodifluoromethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:56 | JML | 75-71-8 | |
| 1,1-Dichloroethane | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 75-34-3 | |
| 1,2-Dichloroethane | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 107-06-2 | |
| 1,1-Dichloroethene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 75-35-4 | |
| 1,2-Dichloropropane | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 78-87-5 | |
| Diethyl ether | Not detected | ug/kg | 200 | SW5035A/8260C | 04/11/17 23:56 | JML | 60-29-7 | |
| Ethylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 100-41-4 | |
| 1,2-Dibromoethane* | Not detected | ug/kg | 20 | SW5035A/8260C | 04/11/17 23:56 | JML | 106-93-4 | M |
| Hexachloroethane | Not detected | ug/kg | 400 | SW5035A/8260C | 04/11/17 23:56 | JML | 67-72-1 | |
| 2-Hexanone* | Not detected | ug/kg | 3,000 | SW5035A/8260C | 04/11/17 23:56 | JML | 591-78-6 | |
| Isopropylbenzene | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:56 | JML | 98-82-8 | |
| Methyl iodide | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 74-88-4 | |
| 4-Methyl-2-pentanone (MIBK)* | Not detected | ug/kg | 3,000 | SW5035A/8260C | 04/11/17 23:56 | JML | 108-10-1 | |
| tert-Methyl butyl ether (MTBE)* | Not detected | ug/kg | 200 | SW5035A/8260C | 04/11/17 23:56 | JML | 1634-04-4 | |
| Methylene chloride | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 75-09-2 | |
| 2-Methylnaphthalene* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 91-57-6 | |
| Naphthalene* | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 23:56 | JML | 91-20-3 | |
| n-Butylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 104-51-8 | |
| n-Propylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 103-65-1 | |
| p-Isopropyltoluene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 99-87-6 | |
| sec-Butylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 135-98-8 | |
| Styrene* | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 100-42-5 | |
| tert-Butylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 98-06-6 | |
| 1,1,1,2-Tetrachloroethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 630-20-6 | |

M-Result reported to MDL not RDL



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.03 (continued)

Sample Tag: SB-3 (9-10')

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|---|--------------|-------|-------|---------------|----------------|------|------------|-------|
| Organics - Volatiles (continued) | | | | | | | | |
| Volatile Organics 5035 (continued) | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 79-34-5 | |
| Tetrachloroethene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 127-18-4 | |
| Tetrahydrofuran* | Not detected | ug/kg | 1,000 | SW5035A/8260C | 04/11/17 23:56 | JML | 109-99-9 | |
| Toluene | 130 | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 108-88-3 | |
| trans-1,2-Dichloroethene* | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 156-60-5 | |
| trans-1,3-Dichloropropene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 10061-02-6 | |
| trans-1,4-Dichloro-2-butene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 110-57-6 | |
| 1,2,3-Trichlorobenzene | Not detected | ug/kg | 410 | SW5035A/8260C | 04/11/17 23:56 | JML | 87-61-6 | |
| 1,2,4-Trichlorobenzene | Not detected | ug/kg | 410 | SW5035A/8260C | 04/11/17 23:56 | JML | 120-82-1 | |
| 1,1,1-Trichloroethane | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 71-55-6 | |
| 1,1,2-Trichloroethane | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 79-00-5 | |
| Trichloroethene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 79-01-6 | |
| Trichlorofluoromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 75-69-4 | |
| 1,2,3-Trichloropropane* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 23:56 | JML | 96-18-4 | |
| 1,2,3-Trimethylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 526-73-8 | |
| 1,2,4-Trimethylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 95-63-6 | |
| 1,3,5-Trimethylbenzene | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 108-67-8 | |
| Vinyl chloride | Not detected | ug/kg | 60 | SW5035A/8260C | 04/11/17 23:56 | JML | 75-01-4 | |
| Total Xylenes | Not detected | ug/kg | 200 | SW5035A/8260C | 04/11/17 23:56 | JML | 1330-20-7 | |



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.04
Sample Tag: SB-4 (7-8')
Collected Date/Time: 04/07/2017 11:40
Matrix: Soil
COC Reference: 102419

Sample Containers

| # | Type | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|------------|-----------------|---------------|-------------------|---------------|
| 1 | 40ml Glass | MeOH | Yes | 5.4 | IR |
| 1 | 4oz Glass | None | Yes | 5.4 | IR |

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|----------|---------|-------|----|--------|---------------|------|-------|-------|
|----------|---------|-------|----|--------|---------------|------|-------|-------|

Extraction / Prep.

| | | | | | | | | |
|-------------------|-----------|--|--|---------|----------------|-----|--|--|
| Extraction, PCB | Completed | | | SW3550C | 04/12/17 11:17 | PLB | | |
| Mercury Digestion | Completed | | | SW7471B | 04/13/17 12:00 | JRH | | |
| Metal Digestion | Completed | | | SW3050B | 04/12/17 10:00 | PER | | |
| PNA Extraction | Completed | | | SW3550C | 04/12/17 19:49 | EMR | | |

Inorganics

| | | | | | | | | |
|---------------|----|---|---|---------|----------------|-----|--|--|
| Total Solids* | 84 | % | 1 | SM2540B | 04/11/17 09:25 | JBL | | |
|---------------|----|---|---|---------|----------------|-----|--|--|

Metals

| | | | | | | | | |
|----------|--------------|-------|-------|---------|----------------|-----|-----------|--|
| Arsenic | 0.98 | mg/kg | 0.20 | SW6020A | 04/12/17 13:49 | PER | 7440-38-2 | |
| Barium | 50.5 | mg/kg | 1.0 | SW6020A | 04/12/17 13:49 | PER | 7440-39-3 | |
| Cadmium | Not detected | mg/kg | 0.20 | SW6020A | 04/12/17 13:49 | PER | 7440-43-9 | |
| Chromium | 5.99 | mg/kg | 0.50 | SW6020A | 04/12/17 13:49 | PER | 7440-47-3 | |
| Copper | 14.1 | mg/kg | 0.50 | SW6020A | 04/12/17 13:49 | PER | 7440-50-8 | |
| Lead | 44.6 | mg/kg | 0.20 | SW6020A | 04/12/17 13:49 | PER | 7439-92-1 | |
| Mercury | 0.215 | mg/kg | 0.050 | SW7471B | 04/13/17 14:56 | JRH | 7439-97-6 | |
| Selenium | Not detected | mg/kg | 0.40 | SW6020A | 04/12/17 13:49 | PER | 7782-49-2 | |
| Silver | Not detected | mg/kg | 0.20 | SW6020A | 04/12/17 13:49 | PER | 7440-22-4 | |
| Zinc | 31.2 | mg/kg | 0.50 | SW6020A | 04/12/17 13:49 | PER | 7440-66-6 | |

Organics - PCBs/Pesticides

PCB List

| | | | | | | | | |
|----------|--------------|-------|-----|---------|----------------|-----|------------|--|
| PCB-1016 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:35 | JAN | 12674-11-2 | |
| PCB-1242 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:35 | JAN | 53469-21-9 | |
| PCB-1221 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:35 | JAN | 11104-28-2 | |
| PCB-1232 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:35 | JAN | 11141-16-5 | |
| PCB-1248 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:35 | JAN | 12672-29-6 | |
| PCB-1254 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:35 | JAN | 11097-69-1 | |
| PCB-1260 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:35 | JAN | 11096-82-5 | |

Organics - Semi-Volatiles

Polynuclear Aromatics

| | | | | | | | | |
|-----------------------|--------------|-------|-----|---------|----------------|----|----------|--|
| Acenaphthene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 83-32-9 | |
| Acenaphthylene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 208-96-8 | |
| Anthracene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 120-12-7 | |
| Benzo(a)anthracene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 56-55-3 | |
| Benzo(a)pyrene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 50-32-8 | |
| Benzo(b)fluoranthene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 205-99-2 | |
| Benzo(ghi)perylene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 191-24-2 | |
| Benzo(k)fluoranthene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 207-08-9 | |
| Chrysene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 218-01-9 | |
| Dibenzo(ah)anthracene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 53-70-3 | |



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.04 (continued)

Sample Tag: SB-4 (7-8')

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|--|--------------|-------|-------|---------------|----------------|------|------------|-------|
| Organics - Semi-Volatiles (continued) | | | | | | | | |
| Polynuclear Aromatics (continued) | | | | | | | | |
| Fluoranthene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 206-44-0 | |
| Fluorene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 193-39-5 | |
| 2-Methylnaphthalene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 91-57-6 | |
| Naphthalene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 91-20-3 | |
| Phenanthrene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 85-01-8 | |
| Pyrene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:24 | PL | 129-00-0 | |
| Organics - Volatiles | | | | | | | | |
| Volatile Organics 5035 | | | | | | | | |
| Acetone | Not detected | ug/kg | 1,000 | SW5035A/8260C | 04/12/17 00:17 | JML | 67-64-1 | |
| Acrylonitrile | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 107-13-1 | |
| Benzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 71-43-2 | |
| Bromobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 108-86-1 | |
| Bromochloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 74-97-5 | |
| Bromodichloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 75-27-4 | |
| Bromoform* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 75-25-2 | |
| Bromomethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:17 | JML | 74-83-9 | |
| 2-Butanone (MEK)* | Not detected | ug/kg | 1,000 | SW5035A/8260C | 04/12/17 00:17 | JML | 78-93-3 | |
| Carbon disulfide | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:17 | JML | 75-15-0 | |
| Carbon tetrachloride | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 56-23-5 | |
| Chlorobenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 108-90-7 | |
| Chloroethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:17 | JML | 75-00-3 | |
| Chloroform | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 67-66-3 | |
| Chloromethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:17 | JML | 74-87-3 | |
| cis-1,2-Dichloroethene* | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 156-59-2 | |
| cis-1,3-Dichloropropene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 10061-01-5 | |
| Cyclohexane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 110-82-7 | |
| 1,2-Dibromo-3-chloropropane* | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:17 | JML | 96-12-8 | |
| Dibromochloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 124-48-1 | |
| Dibromomethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:17 | JML | 74-95-3 | |
| 1,2-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 95-50-1 | |
| 1,3-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 541-73-1 | |
| 1,4-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 106-46-7 | |
| Dichlorodifluoromethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:17 | JML | 75-71-8 | |
| 1,1-Dichloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 75-34-3 | |
| 1,2-Dichloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 107-06-2 | |
| 1,1-Dichloroethene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 75-35-4 | |
| 1,2-Dichloropropane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 78-87-5 | |
| Diethyl ether | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:17 | JML | 60-29-7 | |
| Ethylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 100-41-4 | |
| 1,2-Dibromoethane* | Not detected | ug/kg | 30 | SW5035A/8260C | 04/12/17 00:17 | JML | 106-93-4 | M |
| Hexachloroethane | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:17 | JML | 67-72-1 | |
| 2-Hexanone* | Not detected | ug/kg | 3,000 | SW5035A/8260C | 04/12/17 00:17 | JML | 591-78-6 | |
| Isopropylbenzene | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:17 | JML | 98-82-8 | |
| Methyl iodide | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 74-88-4 | |
| 4-Methyl-2-pentanone (MIBK)* | Not detected | ug/kg | 3,000 | SW5035A/8260C | 04/12/17 00:17 | JML | 108-10-1 | |
| tert-Methyl butyl ether (MTBE)* | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:17 | JML | 1634-04-4 | |

M-Result reported to MDL not RDL



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.04 (continued)

Sample Tag: SB-4 (7-8')

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|---|--------------|-------|-------|---------------|----------------|------|------------|-------|
| Organics - Volatiles (continued) | | | | | | | | |
| Volatile Organics 5035 (continued) | | | | | | | | |
| Methylene chloride | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 75-09-2 | |
| 2-Methylnaphthalene* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 91-57-6 | |
| Naphthalene* | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:17 | JML | 91-20-3 | |
| n-Butylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 104-51-8 | |
| n-Propylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 103-65-1 | |
| p-Isopropyltoluene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 99-87-6 | |
| sec-Butylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 135-98-8 | |
| Styrene* | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 100-42-5 | |
| tert-Butylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 98-06-6 | |
| 1,1,1,2-Tetrachloroethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 79-34-5 | |
| Tetrachloroethene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 127-18-4 | |
| Tetrahydrofuran* | Not detected | ug/kg | 1,000 | SW5035A/8260C | 04/12/17 00:17 | JML | 109-99-9 | |
| Toluene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 108-88-3 | |
| trans-1,2-Dichloroethene* | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 156-60-5 | |
| trans-1,3-Dichloropropene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 10061-02-6 | |
| trans-1,4-Dichloro-2-butene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 110-57-6 | |
| 1,2,3-Trichlorobenzene | Not detected | ug/kg | 450 | SW5035A/8260C | 04/12/17 00:17 | JML | 87-61-6 | |
| 1,2,4-Trichlorobenzene | Not detected | ug/kg | 450 | SW5035A/8260C | 04/12/17 00:17 | JML | 120-82-1 | |
| 1,1,1-Trichloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 71-55-6 | |
| 1,1,2-Trichloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 79-00-5 | |
| Trichloroethene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 79-01-6 | |
| Trichlorofluoromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 75-69-4 | |
| 1,2,3-Trichloropropane* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:17 | JML | 96-18-4 | |
| 1,2,3-Trimethylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 526-73-8 | |
| 1,2,4-Trimethylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 95-63-6 | |
| 1,3,5-Trimethylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 108-67-8 | |
| Vinyl chloride | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:17 | JML | 75-01-4 | |
| Total Xylenes | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:17 | JML | 1330-20-7 | |



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.05
 Sample Tag: SB-5 (5-6')
 Collected Date/Time: 04/07/2017 12:15
 Matrix: Soil
 COC Reference: 102419

Sample Containers

| # | Type | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|------------|-----------------|---------------|-------------------|---------------|
| 1 | 40ml Glass | MeOH | Yes | 5.4 | IR |
| 1 | 4oz Glass | None | Yes | 5.4 | IR |

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|----------|---------|-------|----|--------|---------------|------|-------|-------|
|----------|---------|-------|----|--------|---------------|------|-------|-------|

Extraction / Prep.

| | | | | | | | | |
|-------------------|-----------|--|--|---------|----------------|-----|--|--|
| Extraction, PCB | Completed | | | SW3550C | 04/12/17 11:17 | PLB | | |
| Mercury Digestion | Completed | | | SW7471B | 04/13/17 12:00 | JRH | | |
| Metal Digestion | Completed | | | SW3050B | 04/12/17 10:00 | PER | | |
| PNA Extraction | Completed | | | SW3550C | 04/12/17 19:49 | EMR | | |

Inorganics

| | | | | | | | | |
|---------------|----|---|---|---------|----------------|-----|--|--|
| Total Solids* | 82 | % | 1 | SM2540B | 04/11/17 09:25 | JBL | | |
|---------------|----|---|---|---------|----------------|-----|--|--|

Metals

| | | | | | | | | |
|----------|--------------|-------|-------|---------|----------------|-----|-----------|--|
| Arsenic | 2.35 | mg/kg | 0.20 | SW6020A | 04/12/17 13:51 | PER | 7440-38-2 | |
| Barium | 33.2 | mg/kg | 1.0 | SW6020A | 04/12/17 13:51 | PER | 7440-39-3 | |
| Cadmium | 0.46 | mg/kg | 0.20 | SW6020A | 04/12/17 13:51 | PER | 7440-43-9 | |
| Chromium | 5.01 | mg/kg | 0.50 | SW6020A | 04/12/17 13:51 | PER | 7440-47-3 | |
| Copper | 133 | mg/kg | 0.50 | SW6020A | 04/12/17 13:51 | PER | 7440-50-8 | |
| Lead | 69.0 | mg/kg | 0.20 | SW6020A | 04/12/17 13:51 | PER | 7439-92-1 | |
| Mercury | Not detected | mg/kg | 0.050 | SW7471B | 04/13/17 14:57 | JRH | 7439-97-6 | |
| Selenium | Not detected | mg/kg | 0.40 | SW6020A | 04/12/17 13:51 | PER | 7782-49-2 | |
| Silver | Not detected | mg/kg | 0.20 | SW6020A | 04/12/17 13:51 | PER | 7440-22-4 | |
| Zinc | 293 | mg/kg | 0.50 | SW6020A | 04/12/17 13:51 | PER | 7440-66-6 | |

Organics - PCBs/Pesticides

PCB List

| | | | | | | | | |
|----------|--------------|-------|-----|---------|----------------|-----|------------|--|
| PCB-1016 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:46 | JAN | 12674-11-2 | |
| PCB-1242 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:46 | JAN | 53469-21-9 | |
| PCB-1221 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:46 | JAN | 11104-28-2 | |
| PCB-1232 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:46 | JAN | 11141-16-5 | |
| PCB-1248 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:46 | JAN | 12672-29-6 | |
| PCB-1254 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:46 | JAN | 11097-69-1 | |
| PCB-1260 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:46 | JAN | 11096-82-5 | |

Organics - Semi-Volatiles

Polynuclear Aromatics

| | | | | | | | | |
|----------------------|--------------|-------|-----|---------|----------------|----|----------|----|
| Acenaphthene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 83-32-9 | |
| Acenaphthylene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 208-96-8 | |
| Anthracene | 420 | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 120-12-7 | |
| Benzo(a)anthracene | 820 | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 56-55-3 | I |
| Benzo(a)pyrene | 760 | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 50-32-8 | I |
| Benzo(b)fluoranthene | 1,290 | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 205-99-2 | lp |
| Benzo(ghi)perylene | 410 | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 191-24-2 | I |
| Benzo(k)fluoranthene | 1,390 | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 207-08-9 | lp |

I-Matrix interference with internal standard

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.05 (continued)

Sample Tag: SB-5 (5-6')

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|--|--------------|-------|-------|---------------|----------------|------|----------|-------|
| Organics - Semi-Volatiles (continued) | | | | | | | | |
| Polynuclear Aromatics (continued) | | | | | | | | |
| Chrysene | 810 | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 218-01-9 | I |
| Dibenzo(ah)anthracene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 53-70-3 | I |
| Fluoranthene | 1,900 | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 206-44-0 | |
| Fluorene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | 420 | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 193-39-5 | I |
| 2-Methylnaphthalene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 91-57-6 | |
| Naphthalene | Not detected | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 91-20-3 | |
| Phenanthrene | 1,640 | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 85-01-8 | |
| Pyrene | 2,340 | ug/kg | 330 | SW8270D | 04/13/17 23:43 | PL | 129-00-0 | I |
| Polynuclear Aromatics (Replicate 01) | | | | | | | | |
| Acenaphthene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 83-32-9 | |
| Acenaphthylene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 208-96-8 | |
| Anthracene | 380 | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 120-12-7 | |
| Benzo(a)anthracene | 720 | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 56-55-3 | |
| Benzo(a)pyrene | 600 | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 50-32-8 | |
| Benzo(b)fluoranthene | 1,010 | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 205-99-2 | p |
| Benzo(ghi)perylene | 350 | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 191-24-2 | |
| Benzo(k)fluoranthene | 1,090 | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 207-08-9 | p |
| Chrysene | 690 | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 218-01-9 | |
| Dibenzo(ah)anthracene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 53-70-3 | |
| Fluoranthene | 1,580 | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 206-44-0 | |
| Fluorene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 193-39-5 | |
| 2-Methylnaphthalene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 91-57-6 | |
| Naphthalene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 91-20-3 | |
| Phenanthrene | 1,540 | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 85-01-8 | |
| Pyrene | 1,810 | ug/kg | 330 | SW8270D | 04/14/17 22:27 | PL | 129-00-0 | |
| Organics - Volatiles | | | | | | | | |
| Volatile Organics 5035 | | | | | | | | |
| Acetone | Not detected | ug/kg | 1,000 | SW5035A/8260C | 04/12/17 00:37 | JML | 67-64-1 | |
| Acrylonitrile | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 107-13-1 | |
| Benzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 71-43-2 | |
| Bromobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 108-86-1 | |
| Bromochloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 74-97-5 | |
| Bromodichloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 75-27-4 | |
| Bromoform* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 75-25-2 | |
| Bromomethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:37 | JML | 74-83-9 | |
| 2-Butanone (MEK)* | Not detected | ug/kg | 1,100 | SW5035A/8260C | 04/12/17 00:37 | JML | 78-93-3 | |
| Carbon disulfide | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:37 | JML | 75-15-0 | |
| Carbon tetrachloride | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 56-23-5 | |
| Chlorobenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 108-90-7 | |
| Chloroethane | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:37 | JML | 75-00-3 | |
| Chloroform | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 67-66-3 | |
| Chloromethane | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:37 | JML | 74-87-3 | |
| cis-1,2-Dichloroethene* | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 156-59-2 | |

I-Matrix interference with internal standard

p-Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.05 (continued)

Sample Tag: SB-5 (5-6')

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|---|--------------|-------|-------|---------------|----------------|------|------------|-------|
| Organics - Volatiles (continued) | | | | | | | | |
| Volatile Organics 5035 (continued) | | | | | | | | |
| cis-1,3-Dichloropropene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 10061-01-5 | |
| Cyclohexane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 110-82-7 | |
| 1,2-Dibromo-3-chloropropane* | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:37 | JML | 96-12-8 | |
| Dibromochloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 124-48-1 | |
| Dibromomethane | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:37 | JML | 74-95-3 | |
| 1,2-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 95-50-1 | |
| 1,3-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 541-73-1 | |
| 1,4-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 106-46-7 | |
| Dichlorodifluoromethane | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:37 | JML | 75-71-8 | |
| 1,1-Dichloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 75-34-3 | |
| 1,2-Dichloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 107-06-2 | |
| 1,1-Dichloroethene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 75-35-4 | |
| 1,2-Dichloropropane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 78-87-5 | |
| Diethyl ether | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:37 | JML | 60-29-7 | |
| Ethylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 100-41-4 | |
| 1,2-Dibromoethane* | Not detected | ug/kg | 30 | SW5035A/8260C | 04/12/17 00:37 | JML | 106-93-4 | M |
| Hexachloroethane | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:37 | JML | 67-72-1 | |
| 2-Hexanone* | Not detected | ug/kg | 4,000 | SW5035A/8260C | 04/12/17 00:37 | JML | 591-78-6 | |
| Isopropylbenzene | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:37 | JML | 98-82-8 | |
| Methyl iodide | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 74-88-4 | |
| 4-Methyl-2-pentanone (MIBK)* | Not detected | ug/kg | 4,000 | SW5035A/8260C | 04/12/17 00:37 | JML | 108-10-1 | |
| tert-Methyl butyl ether (MTBE)* | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:37 | JML | 1634-04-4 | |
| Methylene chloride | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 75-09-2 | |
| 2-Methylnaphthalene* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 91-57-6 | |
| Naphthalene* | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:37 | JML | 91-20-3 | |
| n-Butylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 104-51-8 | |
| n-Propylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 103-65-1 | |
| p-Isopropyltoluene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 99-87-6 | |
| sec-Butylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 135-98-8 | |
| Styrene* | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 100-42-5 | |
| tert-Butylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 98-06-6 | |
| 1,1,1,2-Tetrachloroethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 630-20-6 | |
| 1,1,1,2,2-Tetrachloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 79-34-5 | |
| Tetrachloroethene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 127-18-4 | |
| Tetrahydrofuran* | Not detected | ug/kg | 1,000 | SW5035A/8260C | 04/12/17 00:37 | JML | 109-99-9 | |
| Toluene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 108-88-3 | |
| trans-1,2-Dichloroethene* | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 156-60-5 | |
| trans-1,3-Dichloropropene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 10061-02-6 | |
| trans-1,4-Dichloro-2-butene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 110-57-6 | |
| 1,2,3-Trichlorobenzene | Not detected | ug/kg | 460 | SW5035A/8260C | 04/12/17 00:37 | JML | 87-61-6 | |
| 1,2,4-Trichlorobenzene | Not detected | ug/kg | 460 | SW5035A/8260C | 04/12/17 00:37 | JML | 120-82-1 | |
| 1,1,1-Trichloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 71-55-6 | |
| 1,1,2-Trichloroethane | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 79-00-5 | |
| Trichloroethene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 79-01-6 | |
| Trichlorofluoromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 75-69-4 | |
| 1,2,3-Trichloropropane* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/12/17 00:37 | JML | 96-18-4 | |
| 1,2,3-Trimethylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 526-73-8 | |
| 1,2,4-Trimethylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 95-63-6 | |

M-Result reported to MDL not RDL



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.05 (continued)

Sample Tag: SB-5 (5-6')

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|---|--------------|-------|-----|---------------|----------------|------|-----------|-------|
| Organics - Volatiles (continued) | | | | | | | | |
| Volatile Organics 5035 (continued) | | | | | | | | |
| 1,3,5-Trimethylbenzene | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 108-67-8 | |
| Vinyl chloride | Not detected | ug/kg | 70 | SW5035A/8260C | 04/12/17 00:37 | JML | 75-01-4 | |
| Total Xylenes | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:37 | JML | 1330-20-7 | |



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.06
Sample Tag: Meth Blank
Collected Date/Time: 04/07/2017 00:01
Matrix: Methanol
COC Reference: 102419

Sample Containers

| # | Type | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|------------|-----------------|---------------|-------------------|---------------|
| 1 | 40ml Glass | MeOH | Yes | 5.4 | IR |

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|---------------------------------|--------------|-------|-------|---------------|----------------|------|------------|-------|
| Organics - Volatiles | | | | | | | | |
| Volatile Organics 5035 | | | | | | | | |
| Acetone | Not detected | ug/kg | 1,000 | SW5035A/8260C | 04/11/17 20:12 | JML | 67-64-1 | |
| Acrylonitrile | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 107-13-1 | |
| Benzene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 71-43-2 | |
| Bromobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 108-86-1 | |
| Bromochloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 74-97-5 | |
| Bromodichloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 75-27-4 | |
| Bromoform* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 75-25-2 | |
| Bromomethane | Not detected | ug/kg | 200 | SW5035A/8260C | 04/11/17 20:12 | JML | 74-83-9 | |
| 2-Butanone (MEK)* | Not detected | ug/kg | 750 | SW5035A/8260C | 04/11/17 20:12 | JML | 78-93-3 | |
| Carbon disulfide | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 20:12 | JML | 75-15-0 | |
| Carbon tetrachloride | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 56-23-5 | |
| Chlorobenzene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 108-90-7 | |
| Chloroethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 20:12 | JML | 75-00-3 | |
| Chloroform | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 67-66-3 | |
| Chloromethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 20:12 | JML | 74-87-3 | |
| cis-1,2-Dichloroethene* | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 156-59-2 | |
| cis-1,3-Dichloropropene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 10061-01-5 | |
| Cyclohexane | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 110-82-7 | |
| 1,2-Dibromo-3-chloropropane* | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 20:12 | JML | 96-12-8 | |
| Dibromochloromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 124-48-1 | |
| Dibromomethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 20:12 | JML | 74-95-3 | |
| 1,2-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 95-50-1 | |
| 1,3-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 541-73-1 | |
| 1,4-Dichlorobenzene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 106-46-7 | |
| Dichlorodifluoromethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 20:12 | JML | 75-71-8 | |
| 1,1-Dichloroethane | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 75-34-3 | |
| 1,2-Dichloroethane | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 107-06-2 | |
| 1,1-Dichloroethene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 75-35-4 | |
| 1,2-Dichloropropane | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 78-87-5 | |
| Diethyl ether | Not detected | ug/kg | 200 | SW5035A/8260C | 04/11/17 20:12 | JML | 60-29-7 | |
| Ethylbenzene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 100-41-4 | |
| 1,2-Dibromoethane* | Not detected | ug/kg | 20 | SW5035A/8260C | 04/11/17 20:12 | JML | 106-93-4 | M |
| Hexachloroethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 20:12 | JML | 67-72-1 | |
| 2-Hexanone* | Not detected | ug/kg | 3,000 | SW5035A/8260C | 04/11/17 20:12 | JML | 591-78-6 | |
| Isopropylbenzene | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 20:12 | JML | 98-82-8 | |
| Methyl iodide | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 74-88-4 | |
| 4-Methyl-2-pentanone (MIBK)* | Not detected | ug/kg | 3,000 | SW5035A/8260C | 04/11/17 20:12 | JML | 108-10-1 | |
| tert-Methyl butyl ether (MTBE)* | Not detected | ug/kg | 200 | SW5035A/8260C | 04/11/17 20:12 | JML | 1634-04-4 | |
| Methylene chloride | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 75-09-2 | |
| 2-Methylnaphthalene* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 91-57-6 | |
| Naphthalene* | Not detected | ug/kg | 300 | SW5035A/8260C | 04/11/17 20:12 | JML | 91-20-3 | |

M-Result reported to MDL not RDL



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.06 (continued)

Sample Tag: Meth Blank

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|---|--------------|-------|-------|---------------|----------------|------|------------|-------|
| Organics - Volatiles (continued) | | | | | | | | |
| Volatile Organics 5035 (continued) | | | | | | | | |
| n-Butylbenzene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 104-51-8 | |
| n-Propylbenzene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 103-65-1 | |
| p-Isopropyltoluene | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 99-87-6 | |
| sec-Butylbenzene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 135-98-8 | |
| Styrene* | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 100-42-5 | |
| tert-Butylbenzene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 98-06-6 | |
| 1,1,1,2-Tetrachloroethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 79-34-5 | |
| Tetrachloroethene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 127-18-4 | |
| Tetrahydrofuran* | Not detected | ug/kg | 1,000 | SW5035A/8260C | 04/11/17 20:12 | JML | 109-99-9 | |
| Toluene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 108-88-3 | |
| trans-1,2-Dichloroethene* | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 156-60-5 | |
| trans-1,3-Dichloropropene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 10061-02-6 | |
| trans-1,4-Dichloro-2-butene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 110-57-6 | |
| 1,2,3-Trichlorobenzene | Not detected | ug/kg | 330 | SW5035A/8260C | 04/11/17 20:12 | JML | 87-61-6 | |
| 1,2,4-Trichlorobenzene | Not detected | ug/kg | 330 | SW5035A/8260C | 04/11/17 20:12 | JML | 120-82-1 | |
| 1,1,1-Trichloroethane | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 71-55-6 | |
| 1,1,2-Trichloroethane | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 79-00-5 | |
| Trichloroethene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 79-01-6 | |
| Trichlorofluoromethane | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 75-69-4 | |
| 1,2,3-Trichloropropane* | Not detected | ug/kg | 100 | SW5035A/8260C | 04/11/17 20:12 | JML | 96-18-4 | |
| 1,2,3-Trimethylbenzene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 526-73-8 | |
| 1,2,4-Trimethylbenzene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 95-63-6 | |
| 1,3,5-Trimethylbenzene | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 108-67-8 | |
| Vinyl chloride | Not detected | ug/kg | 50 | SW5035A/8260C | 04/11/17 20:12 | JML | 75-01-4 | |
| Total Xylenes | Not detected | ug/kg | 200 | SW5035A/8260C | 04/11/17 20:12 | JML | 1330-20-7 | |



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.07
Sample Tag: Dup1-S
Collected Date/Time: 04/07/2017 00:01
Matrix: Soil
COC Reference: 102419

Sample Containers

| # | Type | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|------------|-----------------|---------------|-------------------|---------------|
| 1 | 40ml Glass | MeOH | Yes | 5.4 | IR |
| 1 | 4oz Glass | None | Yes | 5.4 | IR |

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|----------|---------|-------|----|--------|---------------|------|-------|-------|
|----------|---------|-------|----|--------|---------------|------|-------|-------|

Extraction / Prep.

| | | | | | | | | |
|-------------------|-----------|--|--|---------|----------------|-----|--|--|
| Extraction, PCB | Completed | | | SW3550C | 04/12/17 11:17 | PLB | | |
| Mercury Digestion | Completed | | | SW7471B | 04/13/17 12:00 | JRH | | |
| Metal Digestion | Completed | | | SW3050B | 04/12/17 10:00 | PER | | |
| PNA Extraction | Completed | | | SW3550C | 04/12/17 19:49 | EMR | | |

Inorganics

| | | | | | | | | |
|---------------|----|---|---|---------|----------------|-----|--|--|
| Total Solids* | 78 | % | 1 | SM2540B | 04/11/17 09:25 | JBL | | |
|---------------|----|---|---|---------|----------------|-----|--|--|

Metals

| | | | | | | | | |
|----------|--------------|-------|-------|---------|----------------|-----|-----------|--|
| Arsenic | 0.40 | mg/kg | 0.20 | SW6020A | 04/12/17 13:53 | PER | 7440-38-2 | |
| Barium | 79.5 | mg/kg | 1.0 | SW6020A | 04/12/17 13:53 | PER | 7440-39-3 | |
| Cadmium | Not detected | mg/kg | 0.20 | SW6020A | 04/12/17 13:53 | PER | 7440-43-9 | |
| Chromium | 8.11 | mg/kg | 0.50 | SW6020A | 04/12/17 13:53 | PER | 7440-47-3 | |
| Copper | 16.0 | mg/kg | 0.50 | SW6020A | 04/12/17 13:53 | PER | 7440-50-8 | |
| Lead | 8.10 | mg/kg | 0.20 | SW6020A | 04/12/17 13:53 | PER | 7439-92-1 | |
| Mercury | 0.101 | mg/kg | 0.050 | SW7471B | 04/13/17 14:59 | JRH | 7439-97-6 | |
| Selenium | Not detected | mg/kg | 0.40 | SW6020A | 04/12/17 13:53 | PER | 7782-49-2 | |
| Silver | Not detected | mg/kg | 0.20 | SW6020A | 04/12/17 13:53 | PER | 7440-22-4 | |
| Zinc | 21.1 | mg/kg | 0.50 | SW6020A | 04/12/17 13:53 | PER | 7440-66-6 | |

Organics - PCBs/Pesticides

PCB List

| | | | | | | | | |
|----------|--------------|-------|-----|---------|----------------|-----|------------|--|
| PCB-1016 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:57 | JAN | 12674-11-2 | |
| PCB-1242 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:57 | JAN | 53469-21-9 | |
| PCB-1221 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:57 | JAN | 11104-28-2 | |
| PCB-1232 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:57 | JAN | 11141-16-5 | |
| PCB-1248 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:57 | JAN | 12672-29-6 | |
| PCB-1254 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:57 | JAN | 11097-69-1 | |
| PCB-1260 | Not detected | ug/kg | 330 | SW8082A | 04/12/17 17:57 | JAN | 11096-82-5 | |

Organics - Semi-Volatiles

Polynuclear Aromatics

| | | | | | | | | |
|-----------------------|--------------|-------|-----|---------|----------------|----|----------|--|
| Acenaphthene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 83-32-9 | |
| Acenaphthylene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 208-96-8 | |
| Anthracene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 120-12-7 | |
| Benzo(a)anthracene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 56-55-3 | |
| Benzo(a)pyrene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 50-32-8 | |
| Benzo(b)fluoranthene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 205-99-2 | |
| Benzo(ghi)perylene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 191-24-2 | |
| Benzo(k)fluoranthene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 207-08-9 | |
| Chrysene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 218-01-9 | |
| Dibenzo(ah)anthracene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 53-70-3 | |



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.07 (continued)

Sample Tag: Dup1-S

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|--|--------------|-------|-------|---------------|----------------|------|------------|-------|
| Organics - Semi-Volatiles (continued) | | | | | | | | |
| Polynuclear Aromatics (continued) | | | | | | | | |
| Fluoranthene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 206-44-0 | |
| Fluorene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 193-39-5 | |
| 2-Methylnaphthalene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 91-57-6 | |
| Naphthalene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 91-20-3 | |
| Phenanthrene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 85-01-8 | |
| Pyrene | Not detected | ug/kg | 330 | SW8270D | 04/14/17 00:01 | PL | 129-00-0 | |
| Organics - Volatiles | | | | | | | | |
| Volatile Organics 5035 | | | | | | | | |
| Acetone | Not detected | ug/kg | 2,000 | SW5035A/8260C | 04/12/17 00:57 | JML | 67-64-1 | |
| Acrylonitrile | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 107-13-1 | |
| Benzene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 71-43-2 | |
| Bromobenzene | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 108-86-1 | |
| Bromochloromethane | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 74-97-5 | |
| Bromodichloromethane | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 75-27-4 | |
| Bromoform* | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 75-25-2 | |
| Bromomethane | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:57 | JML | 74-83-9 | |
| 2-Butanone (MEK)* | Not detected | ug/kg | 1,100 | SW5035A/8260C | 04/12/17 00:57 | JML | 78-93-3 | |
| Carbon disulfide | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:57 | JML | 75-15-0 | |
| Carbon tetrachloride | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 56-23-5 | |
| Chlorobenzene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 108-90-7 | |
| Chloroethane | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:57 | JML | 75-00-3 | |
| Chloroform | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 67-66-3 | |
| Chloromethane | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:57 | JML | 74-87-3 | |
| cis-1,2-Dichloroethene* | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 156-59-2 | |
| cis-1,3-Dichloropropene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 10061-01-5 | |
| Cyclohexane | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 110-82-7 | |
| 1,2-Dibromo-3-chloropropane* | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:57 | JML | 96-12-8 | |
| Dibromochloromethane | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 124-48-1 | |
| Dibromomethane | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:57 | JML | 74-95-3 | |
| 1,2-Dichlorobenzene | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 95-50-1 | |
| 1,3-Dichlorobenzene | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 541-73-1 | |
| 1,4-Dichlorobenzene | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 106-46-7 | |
| Dichlorodifluoromethane | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:57 | JML | 75-71-8 | |
| 1,1-Dichloroethane | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 75-34-3 | |
| 1,2-Dichloroethane | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 107-06-2 | |
| 1,1-Dichloroethene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 75-35-4 | |
| 1,2-Dichloropropane | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 78-87-5 | |
| Diethyl ether | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:57 | JML | 60-29-7 | |
| Ethylbenzene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 100-41-4 | |
| 1,2-Dibromoethane* | Not detected | ug/kg | 30 | SW5035A/8260C | 04/12/17 00:57 | JML | 106-93-4 | M |
| Hexachloroethane | Not detected | ug/kg | 500 | SW5035A/8260C | 04/12/17 00:57 | JML | 67-72-1 | |
| 2-Hexanone* | Not detected | ug/kg | 4,000 | SW5035A/8260C | 04/12/17 00:57 | JML | 591-78-6 | |
| Isopropylbenzene | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:57 | JML | 98-82-8 | |
| Methyl iodide | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 74-88-4 | |
| 4-Methyl-2-pentanone (MIBK)* | Not detected | ug/kg | 4,000 | SW5035A/8260C | 04/12/17 00:57 | JML | 108-10-1 | |
| tert-Methyl butyl ether (MTBE)* | Not detected | ug/kg | 300 | SW5035A/8260C | 04/12/17 00:57 | JML | 1634-04-4 | |

M-Result reported to MDL not RDL



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S80482.07 (continued)

Sample Tag: Dup1-S

| Analysis | Results | Units | RL | Method | Run Date/Time | Tech | CAS # | Flags |
|---|--------------|-------|-------|---------------|----------------|------|------------|-------|
| Organics - Volatiles (continued) | | | | | | | | |
| Volatile Organics 5035 (continued) | | | | | | | | |
| Methylene chloride | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 75-09-2 | |
| 2-Methylnaphthalene* | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 91-57-6 | |
| Naphthalene* | Not detected | ug/kg | 400 | SW5035A/8260C | 04/12/17 00:57 | JML | 91-20-3 | |
| n-Butylbenzene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 104-51-8 | |
| n-Propylbenzene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 103-65-1 | |
| p-Isopropyltoluene | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 99-87-6 | |
| sec-Butylbenzene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 135-98-8 | |
| Styrene* | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 100-42-5 | |
| tert-Butylbenzene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 98-06-6 | |
| 1,1,1,2-Tetrachloroethane | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 79-34-5 | |
| Tetrachloroethene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 127-18-4 | |
| Tetrahydrofuran* | Not detected | ug/kg | 2,000 | SW5035A/8260C | 04/12/17 00:57 | JML | 109-99-9 | |
| Toluene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 108-88-3 | |
| trans-1,2-Dichloroethene* | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 156-60-5 | |
| trans-1,3-Dichloropropene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 10061-02-6 | |
| trans-1,4-Dichloro-2-butene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 110-57-6 | |
| 1,2,3-Trichlorobenzene | Not detected | ug/kg | 500 | SW5035A/8260C | 04/12/17 00:57 | JML | 87-61-6 | |
| 1,2,4-Trichlorobenzene | Not detected | ug/kg | 500 | SW5035A/8260C | 04/12/17 00:57 | JML | 120-82-1 | |
| 1,1,1-Trichloroethane | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 71-55-6 | |
| 1,1,2-Trichloroethane | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 79-00-5 | |
| Trichloroethene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 79-01-6 | |
| Trichlorofluoromethane | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 75-69-4 | |
| 1,2,3-Trichloropropane* | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 96-18-4 | |
| 1,2,3-Trimethylbenzene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 526-73-8 | |
| 1,2,4-Trimethylbenzene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 95-63-6 | |
| 1,3,5-Trimethylbenzene | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 108-67-8 | |
| Vinyl chloride | Not detected | ug/kg | 80 | SW5035A/8260C | 04/12/17 00:57 | JML | 75-01-4 | |
| Total Xylenes | Not detected | ug/kg | 200 | SW5035A/8260C | 04/12/17 00:57 | JML | 1330-20-7 | |

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