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From:
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Date:
February 27, 2018

Arcadis Project No.:
B0064607.2018

Subject:
RACER Pontiac North Campus - 2017 PCB Delineation Summary

INTRODUCTION

Arcadis of Michigan, LLC (Arcadis) prepared this Polychlorinated Biphenyl (PCB) Delineation Summary report on behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust for the Pontiac North Campus Site (the Site) located in Pontiac, Michigan (**Figure 1**). PCB delineation activities were conducted to further refine the conceptual site model (CSM) and assumptions related to the potential soil corrective measures for the Site.

The objective of this investigation was to collect additional site data to aid in refining the vertical and horizontal extent of impacted soil containing >100 parts per million (ppm) PCBs within Area of Interest (AOI) AOI W-1 (light non-aqueous phase liquid [LNAPL] Area No. 1/7) west of the existing United States Postal Service (USPS) distribution facility (**Figure 2**). Investigation activities included completing soil borings and collecting soil samples to further delineate the extent of PCBs. Previous investigation activities which occurred in 2014 to 2015 are summarized in the *RACER Pontiac North Campus – 2014 – 2015 PCB Investigation Summary* (Arcadis 2015). Consistent with the description of field activities and soil sampling methodology below, this investigation was conducted in the accordance with the Soil PCB Delineation Scope of Work Approval Request email submitted by Arcadis to the United States Environmental Protection Agency (USEPA) on October 5, 2017 and approved on October 6, 2017.

FIELD ACTIVITIES

Field activities were completed on site from October 30 through November 2, 2017. Prior to completing 18 soil borings, each boring location was cleared by a private utility locator. Soil borings were advanced using a sonic drill rig. These activities were performed in accordance with objectives, sampling methodologies, and analytical procedures set forth in the Field Sampling Plan (FSP; Encore 2001a) and Quality Assurance Project Plan (QAPP; Encore 2001b).

SOIL SAMPLING

Soil borings were completed to delineate locations where analytical data have indicated PCB concentrations higher than 100 ppm in soil in borings completed in 2014 and 2015. Soil samples were collected continuously with a sonic sampler to the water table, which ranged in depth from 16 to 26 feet below ground surface (bgs). Soil samples were field screened using Oil-In-Soil™ dye test kits for the presence of LNAPL biasing screening from depths with previously identified elevated photoionization detector (PID) readings, odors, or sheen/LNAPL observations. Approximately eight to 13 soil samples were collected at each boring location (approximately one every 2 feet). All soil samples were submitted to Merit Laboratories in East Lansing, Michigan (Merit). Soil samples were transported under chain of custody to Merit for laboratory analysis of PCBs by United States Environmental Protection Agency (USEPA) Method 8082. One duplicate sample was collected for every 10 regular soil samples, and one matrix spike/matrix spike duplicate (MS/MSD) sample was collected for every 20 regular soil samples. PCB concentration results for soil samples are shown in **Table 1**. Soil laboratory analytical reports are included in **Attachment 1**. Soil boring logs are attached in **Attachment 2**.

PCB DELINEATION RESULTS

Four areas within AOI W-1 (LNAPL Area No. 1/7) were targeted for PCB delineation: North Area 1, North Area 2, South Area 1, and South Area 2. Delineation sample results from these four areas are shown on **Figure 2**. Delineation results, as well the estimated maximum extent of PCB impacts in the soil greater than 100 ppm above the water table, are also depicted on the cross section transect map (**Figure 3**) and cross sections A-A' and B-B' (**Figures 4A** and **4B**, respectively).

North Area 1

Five soil borings (SB-84-17 through SB-88-17) were completed near former soil boring locations SB-45-14 and SB-03-14. The PCB concentrations in soil samples collected from the five soil borings ranged from non-detect (ND) to 271 ppm PCBs. The highest concentration of 271 ppm PCBs in soil was detected in the 8- to 10-foot interval in SB-86-17. SB-87-14 was the only location in this area to have all PCB detections less than 100 ppm. North Area 1 is delineated to the west. Additional delineation may be warranted to the north (between SB-57-14 and SB-58-14) and to the southeast (between SB-58-14 and SB-59-14) to more accurately define the extent of impacted soil greater than 100 ppm.

North Area 2

Five soil borings (SB-89-17 through SB-93-17) were completed near temporary well SB-54-14. The PCB concentrations in soil samples collected from the five soil borings ranged from ND to 196 ppm PCBs. The highest concentration of 196 ppm PCBs in soil was detected in the 18- to 20-foot interval in SB-90-17. Soil borings SB-89-17, SB-91-17, and SB-93-17 exhibited no soil sample results that exceeded 100 ppm PCBs. North Area 2 is delineated to the south and east, and further to the west and north. Additional delineation may be warranted to the west (between/within SB-91-17, SB-60-14 and SB-61-14) and north

(between/within SB-61-14, SB-55-14, and SB-46-14) to more accurately define the extent of impacted soil greater than 100 ppm.

South Area 1

Three soil borings (SB-94-17 through SB-96-17) were completed near temporary wells SB-30-14, SB-31-14, and SB-33-14. The PCB concentrations in soil samples collected from the three soil borings ranged from ND to 137 ppm PCBs. The highest concentration of 137 ppm PCBs in soil was detected in the 10- to 12-foot interval in SB-95-17. The only soil samples in this area that exhibited detections greater than 100 ppm were from SB-95-17. South Area 1 is delineated to the west, south and east. Additional delineation may be warranted to the northeast (between/within SB-94-17, SB-43-14, and SB-41-14) to more accurately define the extent of impacted soil greater than 100 ppm.

South Area 2

Five soil borings (SB-97-17 through SB-101-17) were completed near temporary wells SB-51-14 and SB-52-14. The PCB concentrations in soil samples collected from the five soil borings ranged from ND to 36 ppm PCBs. The highest concentration of 36 ppm PCBs in soil was detected in the 8- to 10-foot interval in SB-99-17. South Area 2 is delineated to the north, south, and east (via South Area 1). Additional delineation may be warranted to the southwest (between/within SB-101-17, SB-63-14, and SB-40-14) and to the northeast (between/within SB-99-17 and SB-49-14) to more accurately define the extent of impacted soil greater than 100 ppm.

CONCLUSIONS

Based on the results presented in the previous sections, additional delineation is recommended in the areas specified to further refine the extent of PCB impacts in soil greater than 100 ppm above the water table. This data will also be used to evaluate potential corrective measure alternatives assumptions associated with potential excavation extents and estimated quantities. A scope of work for the additional proposed delineation activities was submitted separately.

Enclosures:

Table

Table 1 Soil Analytical Results

Figures

Figure 1 Site Location
 Figure 2 Site Layout
 Figure 3 LNAPL Area No. 1/7 Cross Section Transect Map
 Figure 4A Cross Section A-A'
 Figure 4B Cross Section B-B'

Attachments

Attachment 1 Analytical Reports
 Attachment 2 Soil Boring Logs

References:

Encore. 2001a. Field Sampling Plan, Pontiac North Campus. General Motors Corporation, Pontiac, Michigan. May, 2001.

Encore. 2001b. RFI Work Plan, Pontiac North Campus. General Motors Corporation, Pontiac, Michigan. May 15, 2001.

Arcadis. 2015. RACER Pontiac North Campus - 2014-2015 PCB Investigation Summary. August 2015.

Arcadis. 2017. RACER Pontiac North Campus – Soil PCB Delineation Scope of Work Approval. October 5-6, 2017.

TABLES



Table 1.
Soil Analytical Results (Oct-Nov 2017)
RACER - Pontiac North Campus
Pontiac, Michigan

Location Code	Sample Code	Sample Date	Sample Depth (feet)	Aroclor-1016 (PCB-1016) (µg/kg)	Aroclor-1221 (PCB-1221) (µg/kg)	Aroclor-1232 (PCB-1232) (µg/kg)	Aroclor-1242 (PCB-1242) (µg/kg)	Aroclor-1248 (PCB-1248) (µg/kg)	Aroclor-1254 (PCB-1254) (µg/kg)	Aroclor-1260 (PCB-1260) (µg/kg)	Total PCBs (µg/kg)
SB-84-17	SB-84-17_(0-2)	10/30/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-84-17	SB-84-17_(2-4)	10/30/2017	2-4	< 600 UY	< 600 UY	< 600 UY	3300 Y	< 600 UY	< 600 UY	< 600 UY	3300
SB-84-17	SB-84-17_(4-6)	10/30/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-84-17	SB-84-17_(6-8)	10/30/2017	6-8	< 1000 UY	< 1000 UY	< 1000 UY	5000 Y	< 1000 UY	< 1000 UY	< 1000 UY	5000
SB-84-17	SB-84-17_(8-10)	10/30/2017	8-10	< 30000 UY	< 30000 UY	< 30000 UY	143000 Y	< 30000 UY	< 30000 UY	< 30000 UY	143000
SB-84-17	SB-84-17_(10-12)	10/30/2017	10-12	< 30000 UY	< 30000 UY	< 30000 UY	227000 Y	< 30000 UY	< 30000 UY	< 30000 UY	227000
SB-84-17	SB-84-17_(12-14)	10/30/2017	12-14	< 5000 UY	< 5000 UY	< 5000 UY	20000 Y	< 5000 UY	< 5000 UY	< 5000 UY	20000
SB-84-17	SB-84-17_(14-16)	10/30/2017	14-16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-84-17	SB-84-17_(16-18)	10/30/2017	16-18	< 6000 UY	< 6000 UY	< 6000 UY	61000 Y	< 6000 UY	< 6000 UY	< 6000 UY	61000
SB-84-17	SB-84-17_(18-20)	10/30/2017	18-20	< 500 UY	< 500 UY	< 500 UY	< 500 UY	3400 Y	< 500 UY	< 500 UY	3400
SB-84-17	DUP-01 (10-30-2017)	10/30/2017	18-20	< 12000 UY	< 12000 UY	< 12000 UY	115000 Y	< 12000 UY	< 12000 UY	< 12000 UY	115000
SB-84-17	SB-84-17_(20-22)	10/30/2017	20-22	< 600 UY	< 600 UY	< 600 UY	< 600 UY	3400 Y	< 600 UY	< 600 UY	3400
SB-84-17	SB-84-17_(22-24)	10/30/2017	22-24	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-84-17	SB-84-17_(24-26)	10/30/2017	24-26	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-85-17	SB-85-17_(0-2)	10/30/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-85-17	SB-85-17_(2-4)	10/30/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-85-17	SB-85-17_(4-6)	10/30/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-85-17	SB-85-17_(6-8)	10/30/2017	6-8	< 6000 UY	< 6000 UY	< 6000 UY	57000 Y	< 6000 UY	< 6000 UY	< 6000 UY	57000
SB-85-17	SB-85-17_(8-10)	10/30/2017	8-10	< 12000 UY	< 12000 UY	< 12000 UY	79000 Y	< 12000 UY	< 12000 UY	< 12000 UY	79000
SB-85-17	SB-85-17_(10-12)	10/30/2017	10-12	< 6000 UY	< 6000 UY	< 6000 UY	27000 Y	< 6000 UY	< 6000 UY	< 6000 UY	27000
SB-85-17	SB-85-17_(12-14)	10/30/2017	12-14	< 330 U	< 330 U	< 330 U	< 330 U	1000	< 330 U	< 330 U	1000
SB-85-17	SB-85-17_(14-16)	10/30/2017	14-16	< 21000 UY	< 21000 UY	< 21000 UY	< 21000 UY	143000 Y	< 21000 UY	< 21000 UY	143000
SB-85-17	SB-85-17_(16-18)	10/30/2017	16-18	< 330 U	< 330 U	< 330 U	< 330 U	500	< 330 U	< 330 U	500
SB-85-17	SB-85-17_(18-20)	10/30/2017	18-20	< 7000 UY	< 7000 UY	< 7000 UY	< 7000 UY	27000 Y	< 7000 UY	< 7000 UY	27000
SB-85-17	SB-85-17_(20-22)	10/30/2017	20-22	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-85-17	SB-85-17_(22-24)	10/30/2017	22-24	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-86-17	SB-86-17_(0-2)	10/30/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-86-17	SB-86-17_(2-4)	10/30/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-86-17	SB-86-17_(4-6)	10/30/2017	4-6	< 5000 UY	< 5000 UY	< 5000 UY	38000 Y	< 5000 UY	< 5000 UY	< 5000 UY	38000
SB-86-17	SB-86-17_(6-8)	10/30/2017	6-8	< 29000 UY	< 29000 UY	< 29000 UY	183000 Y	< 29000 UY	< 29000 UY	< 29000 UY	183000
SB-86-17	SB-86-17_(8-10)	10/30/2017	8-10	< 57000 UY	< 57000 UY	< 57000 UY	271000 Y	< 57000 UY	< 57000 UY	< 57000 UY	271000
SB-86-17	DUP-02 (10-30-2017)	10/30/2017	8-10	< 45000 UY	< 45000 UY	< 45000 UY	217000 Y	< 45000 UY	< 45000 UY	< 45000 UY	217000
SB-86-17	SB-86-17_(10-12)	10/30/2017	10-12	< 27000 UY	< 27000 UY	< 27000 UY	< 27000 UY	114000 Y	< 27000 UY	< 27000 UY	114000
SB-86-17	DUP-03 (10-30-2017)	10/30/2017	10-12	< 5000 UY	< 5000 UY	< 5000 UY	44000 Y	< 5000 UY	< 5000 UY	< 5000 UY	44000
SB-86-17	SB-86-17_(12-14)	10/30/2017	12-14	< 12000 UY	< 12000 UY	< 12000 UY	120000 Y	< 12000 UY	< 12000 UY	< 12000 UY	120000
SB-86-17	SB-86-17_(14-16)	10/30/2017	14-16	< 5000 UY	< 5000 UY	< 5000 UY	35000 Y	< 5000 UY	< 5000 UY	< 5000 UY	35000
SB-86-17	SB-86-17_(16-18)	10/30/2017	16-18	< 29000 UY	< 29000 UY	< 29000 UY	196000 Y	< 29000 UY	< 29000 UY	< 29000 UY	196000
SB-86-17	SB-86-17_(18-20)	10/30/2017	18-20	< 1000 UY	< 1000 UY	< 1000 UY	5000 Y	< 1000 UY	< 1000 UY	< 1000 UY	5000
SB-86-17	SB-86-17_(20-22)	10/30/2017	20-22	< 1000 UY	< 1000 UY	< 1000 UY	7000 Y	< 1000 UY	< 1000 UY	< 1000 UY	7000
SB-86-17	SB-86-17_(22-24)	10/30/2017	22-24	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-87-17	SB-87-17_(0-2)	10/31/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-87-17	SB-87-17_(2-4)	10/31/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-87-17	SB-87-17_(4-6)	10/31/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	1200	< 330 U	< 330 U	1200
SB-87-17	SB-87-17_(6-8)	10/31/2017	6-8	< 330 U	< 330 U	< 330 U	< 330 U	1000	< 330 U	< 330 U	1000

Notes on last page

Table 1.
Soil Analytical Results (Oct-Nov 2017)
RACER - Pontiac North Campus
Pontiac, Michigan

Location Code	Sample Code	Sample Date	Sample Depth (feet)	Aroclor-1016 (PCB-1016) (µg/kg)	Aroclor-1221 (PCB-1221) (µg/kg)	Aroclor-1232 (PCB-1232) (µg/kg)	Aroclor-1242 (PCB-1242) (µg/kg)	Aroclor-1248 (PCB-1248) (µg/kg)	Aroclor-1254 (PCB-1254) (µg/kg)	Aroclor-1260 (PCB-1260) (µg/kg)	Total PCBs (µg/kg)
SB-87-17	SB-87-17_(8-10)	10/31/2017	8-10	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-87-17	SB-87-17_(10-12)	10/31/2017	10-12	< 330 U	< 330 U	< 330 U	< 330 U	400	< 330 U	< 330 U	400
SB-87-17	SB-87-17_(12-14)	10/31/2017	12-14	< 330 U	< 330 U	< 330 U	< 330 U	1300	< 330 U	< 330 U	1300
SB-87-17	DUP-04 (10-31-2017)	10/31/2017	12-14	< 330 U	< 330 U	< 330 U	700	< 330 U	< 330 U	< 330 U	700
SB-87-17	SB-87-17_(14-16)	10/31/2017	14-16	< 330 U	< 330 U	< 330 U	< 330 U	600	< 330 U	< 330 U	600
SB-87-17	SB-87-17_(16-18)	10/31/2017	16-18	< 1000 UY	< 1000 UY	< 1000 UY	13000 Y	< 1000 UY	< 1000 UY	< 1000 UY	13000
SB-87-17	SB-87-17_(18-20)	10/31/2017	18-20	< 330 U	< 330 U	< 330 U	3600	< 330 U	< 330 U	< 330 U	3600
SB-87-17	SB-87-17_(20-22)	10/31/2017	20-22	< 6000 UY	< 6000 UY	< 6000 UY	51000 Y	< 6000 UY	< 6000 UY	< 6000 UY	51000
SB-88-17	SB-88-17_(0-2)	10/31/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	400	< 330 U	< 330 U	400
SB-88-17	SB-88-17_(2-4)	10/31/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-88-17	SB-88-17_(4-6)	10/31/2017	4-6	< 330 U	< 330 U	< 330 U	500	< 330 U	< 330 U	< 330 U	500
SB-88-17	SB-88-17_(6-8)	10/31/2017	6-8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-88-17	SB-88-17_(8-10)	10/31/2017	8-10	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-88-17	SB-88-17_(10-12)	10/31/2017	10-12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-88-17	SB-88-17_(12-14)	10/31/2017	12-14	< 330 U	< 330 U	< 330 U	2400	< 330 U	< 330 U	< 330 U	2400
SB-88-17	SB-88-17_(14-16)	10/31/2017	14-16	< 330 UY	< 330 UY	< 330 UY	167000 Y	< 330 UY	< 330 UY	< 330 UY	167000
SB-88-17	DUP-05 (10-31-2017)	10/31/2017	14-16	< 32000 UY	< 32000 UY	< 32000 UY	136000 Y	< 32000 UY	< 32000 UY	< 32000 UY	136000
SB-89-17	SB-89-17_(0-2)	10/31/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-89-17	SB-89-17_(2-4)	10/31/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-89-17	SB-89-17_(4-6)	10/31/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-89-17	SB-89-17_(6-8)	10/31/2017	6-8	< 330 U	< 330 U	< 330 U	< 330 U	600	< 330 U	< 330 U	600
SB-89-17	SB-89-17_(8-10)	10/31/2017	8-10	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-89-17	SB-89-17_(10-12)	10/31/2017	10-12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-89-17	DUP-06 (10-31-2017)	10/31/2017	10-12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-89-17	SB-89-17_(12-14)	10/31/2017	12-14	< 330 U	< 330 U	< 330 U	2200	< 330 U	< 330 U	< 330 U	2200
SB-89-17	SB-89-17_(14-16)	10/31/2017	14-16	< 330 U	< 330 U	< 330 U	700	< 330 U	< 330 U	< 330 U	700
SB-90-17	SB-90-17_(0-2)	10/31/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-90-17	SB-90-17_(2-4)	10/31/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-90-17	SB-90-17_(4-6)	10/31/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-90-17	SB-90-17_(6-8)	10/31/2017	6-8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-90-17	SB-90-17_(8-10)	10/31/2017	8-10	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-90-17	SB-90-17_(10-12)	10/31/2017	10-12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-90-17	SB-90-17_(12-14)	10/31/2017	12-14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-90-17	SB-90-17_(14-16)	10/31/2017	14-16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-90-17	SB-90-17_(16-18)	10/31/2017	16-18	< 57000 UY	< 57000 UY	< 57000 UY	< 57000 UY	106000 Y	< 57000 UY	< 57000 UY	106000
SB-90-17	SB-90-17_(18-20)	10/31/2017	18-20	< 36000 UY	< 36000 UY	< 36000 UY	< 36000 UY	196000 Y	< 36000 UY	< 36000 UY	196000
SB-90-17	SB-90-17_(20-22)	10/31/2017	20-22	< 6000 UY	< 6000 UY	< 6000 UY	< 6000 UY	27000 Y	< 6000 UY	< 6000 UY	27000
SB-90-17	SB-90-17_(22-24)	10/31/2017	22-24	< 600 UY	< 600 UY	< 600 UY	< 600 UY	4000 Y	< 600 UY	< 600 UY	4000
SB-90-17	SB-90-17_(24-26)	10/31/2017	24-26	< 17000 UY	< 17000 UY	< 17000 UY	< 17000 UY	34000 Y	< 17000 UY	< 17000 UY	34000
SB-90-17	DUP-07 (10-31-2017)	10/31/2017	24-26	< 330 U	< 330 U	< 330 U	< 330 U	4000	< 330 U	< 330 U	4000
SB-91-17	SB-91-17_(0-2)	10/31/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-91-17	SB-91-17_(2-4)	10/31/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-91-17	SB-91-17_(4-6)	10/31/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-91-17	SB-91-17_(6-8)	10/31/2017	6-8	< 330 U	< 330 U	< 330 U	< 330 U	3000	< 330 U	< 330 U	3000

Notes on last page

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Soil Analytical Results (Oct-Nov 2017)
RACER - Pontiac North Campus
Pontiac, Michigan

Location Code	Sample Code	Sample Date	Sample Depth (feet)	Aroclor-1016 (PCB-1016) (µg/kg)	Aroclor-1221 (PCB-1221) (µg/kg)	Aroclor-1232 (PCB-1232) (µg/kg)	Aroclor-1242 (PCB-1242) (µg/kg)	Aroclor-1248 (PCB-1248) (µg/kg)	Aroclor-1254 (PCB-1254) (µg/kg)	Aroclor-1260 (PCB-1260) (µg/kg)	Total PCBs (µg/kg)
SB-91-17	SB-91-17_(8-10)	10/31/2017	8-10	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-91-17	SB-91-17_(10-12)	10/31/2017	10-12	< 330 U	< 330 U	< 330 U	< 330 U	600	< 330 U	< 330 U	600
SB-91-17	SB-91-17_(12-14)	10/31/2017	12-14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-91-17	DUP-08 (10-31-2017)	10/31/2017	12-14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-91-17	SB-91-17_(14-16)	10/31/2017	14-16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-92-17	SB-92-17_(0-2)	10/31/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-92-17	SB-92-17_(2-4)	10/31/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	800	< 330 U	< 330 U	800
SB-92-17	SB-92-17_(4-6)	10/31/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-92-17	SB-92-17_(6-8)	10/31/2017	6-8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-92-17	DUP-09 (10-31-2017)	10/31/2017	6-8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-92-17	SB-92-17_(8-10)	10/31/2017	8-10	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-92-17	SB-92-17_(10-12)	10/31/2017	10-12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-92-17	SB-92-17_(12-14)	10/31/2017	12-14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-92-17	SB-92-17_(14-16)	10/31/2017	14-16	< 330 U	< 330 U	< 330 U	< 330 U	400	< 330 U	< 330 U	400
SB-92-17	SB-92-17_(16-18)	10/31/2017	16-18	< 23000 UY	< 23000 UY	< 23000 UY	< 23000 UY	140000 Y	< 23000 UY	< 23000 UY	140000
SB-93-17	SB-93-17_(0-2)	11/1/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-93-17	SB-93-17_(2-4)	11/1/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-93-17	SB-93-17_(4-6)	11/1/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-93-17	SB-93-17_(6-8)	11/1/2017	6-8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-93-17	SB-93-17_(8-10)	11/1/2017	8-10	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-93-17	DUP-10 (11-01-2017)	11/1/2017	8-10	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-93-17	SB-93-17_(10-12)	11/1/2017	10-12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-93-17	SB-93-17_(12-14)	11/1/2017	12-14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-93-17	SB-93-17_(14-16)	11/1/2017	14-16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-94-17	SB-94-17_(0-2)	11/1/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-94-17	SB-94-17_(2-4)	11/1/2017	2-4	< 600 UY	< 600 UY	< 600 UY	< 600 UY	5000 Y	< 600 UY	< 600 UY	5000
SB-94-17	SB-94-17_(4-6)	11/1/2017	4-6	< 600 UY	< 600 UY	< 600 UY	< 600 UY	3000 Y	< 600 UY	< 600 UY	3000
SB-94-17	SB-94-17_(6-8)	11/1/2017	6-8	< 6000 UY	< 6000 UY	< 6000 UY	< 6000 UY	20000 Y	< 6000 UY	< 6000 UY	20000
SB-94-17	SB-94-17_(8-10)	11/1/2017	8-10	< 2000 UY	< 2000 UY	< 2000 UY	< 2000 UY	10000 Y	< 2000 UY	< 2000 UY	10000
SB-94-17	SB-94-17_(10-12)	11/1/2017	10-12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-94-17	SB-94-17_(12-14)	11/1/2017	12-14	< 3000 UY	< 3000 UY	< 3000 UY	< 3000 UY	16000 Y	< 3000 UY	< 3000 UY	16000
SB-94-17	SB-94-17_(14-16)	11/1/2017	14-16	< 1000 UY	< 1000 UY	< 1000 UY	< 1000 UY	6000 Y	< 1000 UY	< 1000 UY	6000
SB-94-17	SB-94-17_(16-18)	11/1/2017	16-18	< 330 U	< 330 U	< 330 U	< 330 U	3000	< 330 U	< 330 U	3000
SB-94-17	SB-94-17_(18-20)	11/1/2017	18-20	< 11000 UY	< 11000 UY	< 11000 UY	< 11000 UY	40000 Y	< 11000 UY	< 11000 UY	40000
SB-94-17	DUP-11 (11-01-2017)	11/1/2017	18-20	< 6000 UY	< 6000 UY	< 6000 UY	< 6000 UY	21000 Y	< 6000 UY	< 6000 UY	21000
SB-94-17	SB-94-17_(20-22)	11/1/2017	20-22	< 330 U	< 330 U	< 330 U	< 330 U	600	< 330 U	< 330 U	600
SB-94-17	SB-94-17_(22-24)	11/1/2017	22-24	< 330 U	< 330 U	< 330 U	< 330 U	600	< 330 U	< 330 U	600
SB-94-17	SB-94-17_(24-26)	11/1/2017	24-26	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-95-17	SB-95-17_(0-2)	11/1/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-95-17	SB-95-17_(2-4)	11/1/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-95-17	SB-95-17_(4-6)	11/1/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-95-17	SB-95-17_(6-8)	11/1/2017	6-8	< 500 UY	< 500 UY	< 500 UY	2000 Y	< 500 UY	< 500 UY	< 500 UY	2000
SB-95-17	SB-95-17_(8-10)	11/1/2017	8-10	< 13000 UY	< 13000 UY	< 13000 UY	< 13000 UY	56000 Y	< 13000 UY	< 13000 UY	56000
SB-95-17	SB-95-17_(10-12)	11/1/2017	10-12	< 38000 UY	< 38000 UY	< 38000 UY	< 38000 UY	137000 Y	< 38000 UY	< 38000 UY	137000

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Table 1.
Soil Analytical Results (Oct-Nov 2017)
RACER - Pontiac North Campus
Pontiac, Michigan

Location Code	Sample Code	Sample Date	Sample Depth (feet)	Aroclor-1016 (PCB-1016) (µg/kg)	Aroclor-1221 (PCB-1221) (µg/kg)	Aroclor-1232 (PCB-1232) (µg/kg)	Aroclor-1242 (PCB-1242) (µg/kg)	Aroclor-1248 (PCB-1248) (µg/kg)	Aroclor-1254 (PCB-1254) (µg/kg)	Aroclor-1260 (PCB-1260) (µg/kg)	Total PCBs (µg/kg)
SB-95-17	SB-95-17_(12-14)	11/1/2017	12-14	< 13000 UY	< 13000 UY	< 13000 UY	< 13000 UY	27000 Y	< 13000 UY	< 13000 UY	27000
SB-95-17	SB-95-17_(14-16)	11/1/2017	14-16	< 7000 UY	< 7000 UY	< 7000 UY	< 7000 UY	67000 Y	< 7000 UY	< 7000 UY	67000
SB-95-17	DUP-12 (11-01-2017)	11/1/2017	14-16	< 1000 U	< 1000 U	< 1000 U	< 1000 U	9000	< 1000 U	< 1000 U	9000
SB-96-17	SB-96-17_(0-2)	11/1/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-96-17	SB-96-17_(2-4)	11/1/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-96-17	SB-96-17_(4-6)	11/1/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-96-17	SB-96-17_(6-8)	11/1/2017	6-8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-96-17	SB-96-17_(8-10)	11/1/2017	8-10	< 12000 UY	< 12000 UY	< 12000 UY	< 12000 UY	24000 Y	< 12000 UY	< 12000 UY	24000
SB-96-17	SB-96-17_(10-12)	11/1/2017	10-12	< 13000 UY	< 13000 UY	< 13000 UY	< 13000 UY	38000 Y	< 13000 UY	< 13000 UY	38000
SB-96-17	SB-96-17_(12-14)	11/1/2017	12-14	< 12000 UY	< 12000 UY	< 12000 UY	< 12000 UY	61000 Y	< 12000 UY	< 12000 UY	61000
SB-96-17	DUP-13 (11-01-2017)	11/1/2017	12-14	< 13000 UY	< 13000 UY	< 13000 UY	< 13000 UY	39000 Y	< 13000 UY	< 13000 UY	39000
SB-96-17	SB-96-17_(14-16)	11/1/2017	14-16	< 1000 UY	< 1000 UY	< 1000 UY	< 1000 UY	4000 Y	< 1000 UY	< 1000 UY	4000
SB-96-17	SB-96-17_(16-18)	11/1/2017	16-18	< 1000 UY	< 1000 UY	< 1000 UY	< 1000 UY	4000 Y	< 1000 UY	< 1000 UY	4000
SB-96-17	SB-96-17_(18-20)	11/1/2017	18-20	< 6000 UY	< 6000 UY	< 6000 UY	< 6000 UY	12000 Y	< 6000 UY	< 6000 UY	12000
SB-96-17	SB-96-17_(20-22)	11/1/2017	20-22	< 1000 UY	< 1000 UY	< 1000 UY	< 1000 UY	7000 Y	< 1000 UY	< 1000 UY	7000
SB-96-17	SB-96-17_(22-24)	11/1/2017	22-24	< 600 UY	< 600 UY	< 600 UY	< 600 UY	3000 Y	< 600 UY	< 600 UY	3000
SB-96-17	SB-96-17_(24-26)	11/1/2017	24-26	< 3000 UY	< 3000 UY	< 3000 UY	< 3000 UY	8000 Y	< 3000 UY	< 3000 UY	8000
SB-97-17	SB-97-17_(0-2)	11/1/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-97-17	SB-97-17_(2-4)	11/1/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-97-17	SB-97-17_(4-6)	11/1/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-97-17	SB-97-17_(6-8)	11/1/2017	6-8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-97-17	SB-97-17_(8-10)	11/1/2017	8-10	< 1000 UY	< 1000 UY	< 1000 UY	< 1000 UY	10000 Y	< 1000 UY	< 1000 UY	10000
SB-97-17	SB-97-17_(10-12)	11/1/2017	10-12	< 600 UY	< 600 UY	< 600 UY	< 600 UY	4000 Y	< 600 UY	< 600 UY	4000
SB-97-17	SB-97-17_(12-14)	11/1/2017	12-14	< 600 UY	< 600 UY	< 600 UY	< 600 UY	< 600 UY	2500 Y	< 600 UY	2500
SB-97-17	DUP-14 (11-01-2017)	11/1/2017	12-14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	3000	< 330 U	3000
SB-97-17	SB-97-17_(14-16)	11/1/2017	14-16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-97-17	SB-97-17_(16-18)	11/1/2017	16-18	< 330 U	< 330 U	< 330 U	< 330 U	1300	< 330 U	< 330 U	1300
SB-97-17	SB-97-17_(18-20)	11/1/2017	18-20	< 330 U	< 330 U	< 330 U	< 330 U	2000	< 330 U	< 330 U	2000
SB-97-17	SB-97-17_(20-22)	11/1/2017	20-22	< 330 U	< 330 U	< 330 U	< 330 U	400	< 330 U	< 330 U	400
SB-97-17	SB-97-17_(22-24)	11/1/2017	22-24	< 330 U	< 330 U	< 330 U	< 330 U	500	< 330 U	< 330 U	500
SB-97-17	SB-97-17_(24-26)	11/1/2017	24-26	< 330 U	< 330 U	< 330 U	< 330 U	1200	< 330 U	< 330 U	1200
SB-98-17	SB-98-17_(0-2)	11/1/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-98-17	SB-98-17_(2-4)	11/1/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-98-17	SB-98-17_(4-6)	11/1/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-98-17	SB-98-17_(6-8)	11/1/2017	6-8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-98-17	SB-98-17_(8-10)	11/1/2017	8-10	< 6000 UY	< 6000 UY	< 6000 UY	< 6000 UY	< 6000 UY	12000 Y	< 6000 UY	12000
SB-98-17	SB-98-17_(10-12)	11/1/2017	10-12	< 600 UY	< 600 UY	< 600 UY	< 600 UY	3000 Y	< 600 UY	< 600 UY	3000
SB-98-17	SB-98-17_(12-14)	11/1/2017	12-14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-98-17	DUP-15 (11-01-2017)	11/1/2017	12-14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	3000	< 330 U	3000
SB-98-17	SB-98-17_(14-16)	11/1/2017	14-16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	1000	< 330 U	1000
SB-98-17	SB-98-17_(16-18)	11/1/2017	16-18	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-98-17	SB-98-17_(18-20)	11/1/2017	18-20	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-98-17	SB-98-17_(20-22)	11/1/2017	20-22	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-98-17	SB-98-17_(22-24)	11/1/2017	22-24	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330

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Table 1.
Soil Analytical Results (Oct-Nov 2017)
RACER - Pontiac North Campus
Pontiac, Michigan

Location Code	Sample Code	Sample Date	Sample Depth (feet)	Aroclor-1016 (PCB-1016) (µg/kg)	Aroclor-1221 (PCB-1221) (µg/kg)	Aroclor-1232 (PCB-1232) (µg/kg)	Aroclor-1242 (PCB-1242) (µg/kg)	Aroclor-1248 (PCB-1248) (µg/kg)	Aroclor-1254 (PCB-1254) (µg/kg)	Aroclor-1260 (PCB-1260) (µg/kg)	Total PCBs (µg/kg)
SB-98-17	SB-98-17_(24-26)	11/1/2017	24-26	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-99-17	SB-99-17_(0-2)	11/1/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-99-17	SB-99-17_(2-4)	11/1/2017	2-4	< 330 U	< 330 U	< 330 U	1200	< 330 U	< 330 U	< 330 U	1200
SB-99-17	SB-99-17_(4-6)	11/1/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-99-17	SB-99-17_(6-8)	11/1/2017	6-8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-99-17	SB-99-17_(8-10)	11/1/2017	8-10	< 12000 UY	< 12000 UY	< 12000 UY	< 12000 UY	36000 Y	< 12000 UY	< 12000 UY	36000
SB-99-17	SB-99-17_(10-12)	11/1/2017	10-12	< 1000 UY	< 1000 UY	< 1000 UY	< 1000 UY	7000 Y	< 1000 UY	< 1000 UY	7000
SB-99-17	DUP-16 (11-01-2017)	11/1/2017	10-12	< 1000 UY	< 1000 UY	< 1000 UY	< 1000 UY	6000 Y	< 1000 UY	< 1000 UY	6000
SB-99-17	SB-99-17_(12-14)	11/1/2017	12-14	< 1000 UY	< 1000 UY	< 1000 UY	< 1000 UY	12000 Y	< 1000 UY	< 1000 UY	12000
SB-99-17	SB-99-17_(14-16)	11/1/2017	14-16	< 7000 UY	< 7000 UY	< 7000 UY	< 7000 UY	30000 Y	< 7000 UY	< 7000 UY	30000
SB-100-17	SB-100-17_(0-2)	11/1/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-100-17	SB-100-17_(2-4)	11/1/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-100-17	SB-100-17_(4-6)	11/1/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	1100	< 330 U	< 330 U	1100
SB-100-17	SB-100-17_(6-8)	11/1/2017	6-8	< 330 U	< 330 U	< 330 U	< 330 U	1100	< 330 U	< 330 U	1100
SB-100-17	SB-100-17_(8-10)	11/1/2017	8-10	< 2000 UY	< 2000 UY	< 2000 UY	< 2000 UY	10000 Y	< 2000 UY	< 2000 UY	10000
SB-100-17	SB-100-17_(10-12)	11/1/2017	10-12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-100-17	SB-100-17_(12-14)	11/1/2017	12-14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-100-17	DUP-17 (11-01-2017)	11/1/2017	12-14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-100-17	SB-100-17_(14-16)	11/1/2017	14-16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-101-17	SB-101-17_(0-2)	11/1/2017	0-2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-101-17	SB-101-17_(2-4)	11/1/2017	2-4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-101-17	SB-101-17_(4-6)	11/1/2017	4-6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-101-17	SB-101-17_(6-8)	11/1/2017	6-8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-101-17	SB-101-17_(8-10)	11/1/2017	8-10	< 600 UY	< 600 UY	< 600 UY	< 600 UY	5000 Y	< 600 UY	< 600 UY	5000
SB-101-17	SB-101-17_(10-12)	11/1/2017	10-12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-101-17	DUP-18 (11-01-2017)	11/1/2017	10-12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-101-17	SB-101-17_(12-14)	11/1/2017	12-14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-101-17	SB-101-17_(14-16)	11/1/2017	14-16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-101-17	DUP-19 (11-01-2017)	11/1/2017	14-16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-101-17	SB-101-17_(16-18)	11/1/2017	16-18	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-101-17	SB-101-17_(18-20)	11/1/2017	18-20	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-101-17	SB-101-17_(20-22)	11/1/2017	20-22	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-101-17	SB-101-17_(22-24)	11/1/2017	22-24	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330
SB-101-17	SB-101-17_(24-26)	11/1/2017	24-26	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330

Notes:

bgs - below ground surface

PCB - Polychlorinated biphenyl

U - Indicates the analyte was analyzed for but not detected.

Y - Elevated reporting limit due to high target concentration.

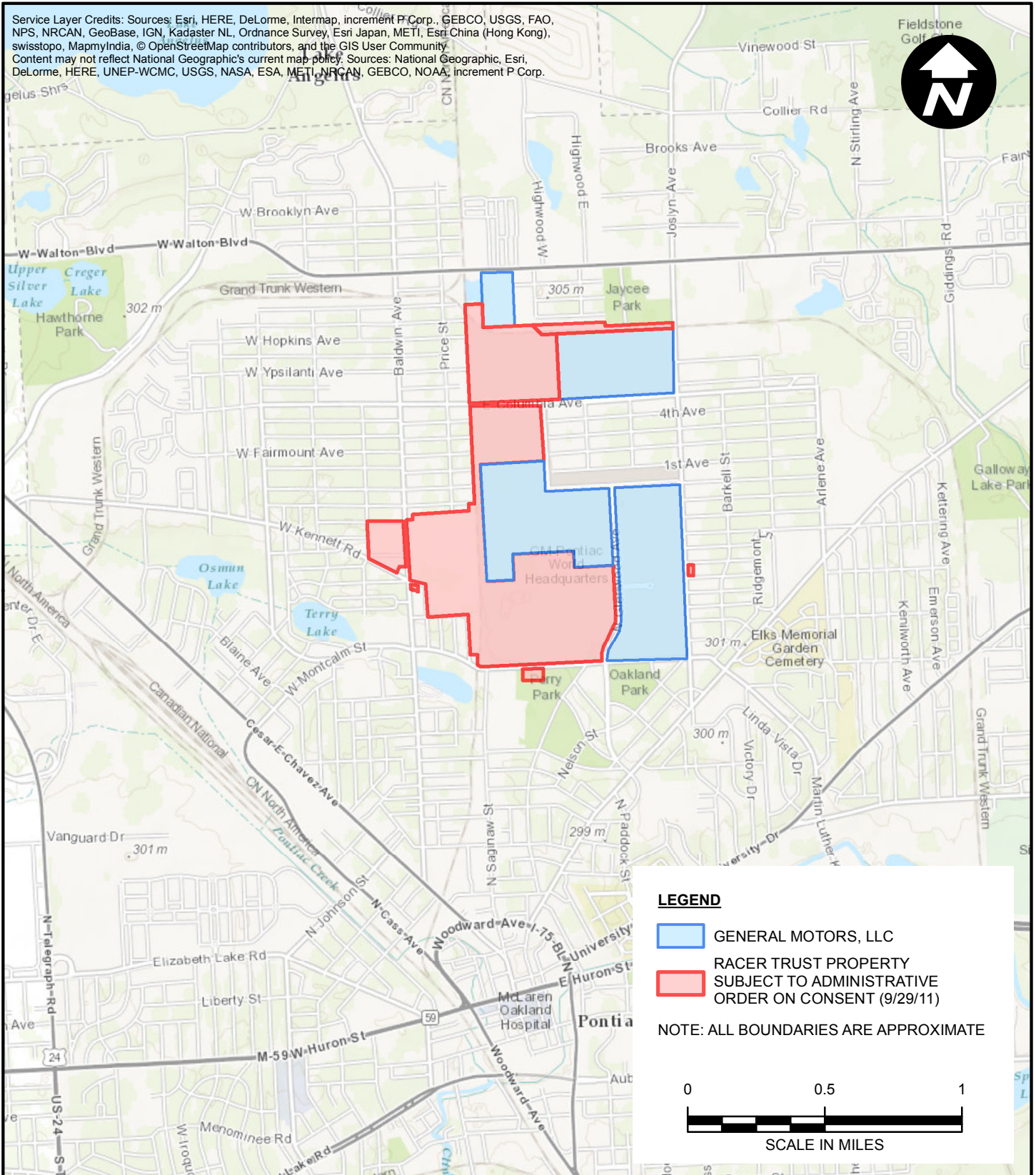
shade Result exceeds 100,000 µg/kg

All result listed in micrograms per kilogram (µg/kg).

FIGURES



Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
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LEGEND

- GENERAL MOTORS, LLC
- RACER TRUST PROPERTY
SUBJECT TO ADMINISTRATIVE
ORDER ON CONSENT (9/29/11)

NOTE: ALL BOUNDARIES ARE APPROXIMATE



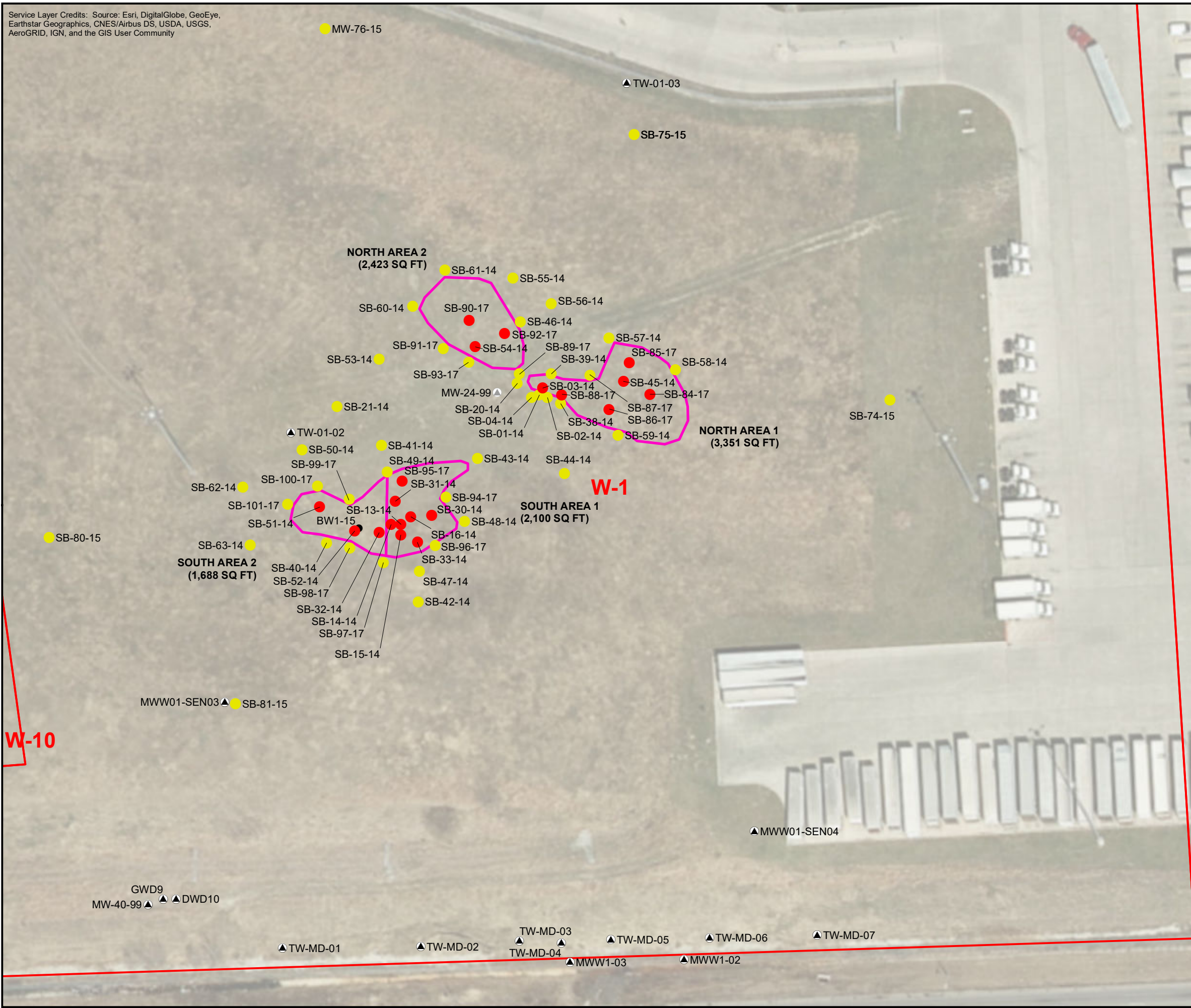
PROJECT NUMBER: B0064411.0001.00145
 CITY: NOVI DIV/GROUP: ENV DB: PIC: PM: TM: TR:
 Path: D:\GIS\Project Files\MotorsLiquidationCompany\PontiacNorthCampus\Documents\SiteLocation_AOC.mxd



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 PONTIAC, MICHIGAN

SITE LOCATION

ARCADIS	<small>Design & Consultancy for natural and built assets</small>
FIGURE 1	



LEGEND

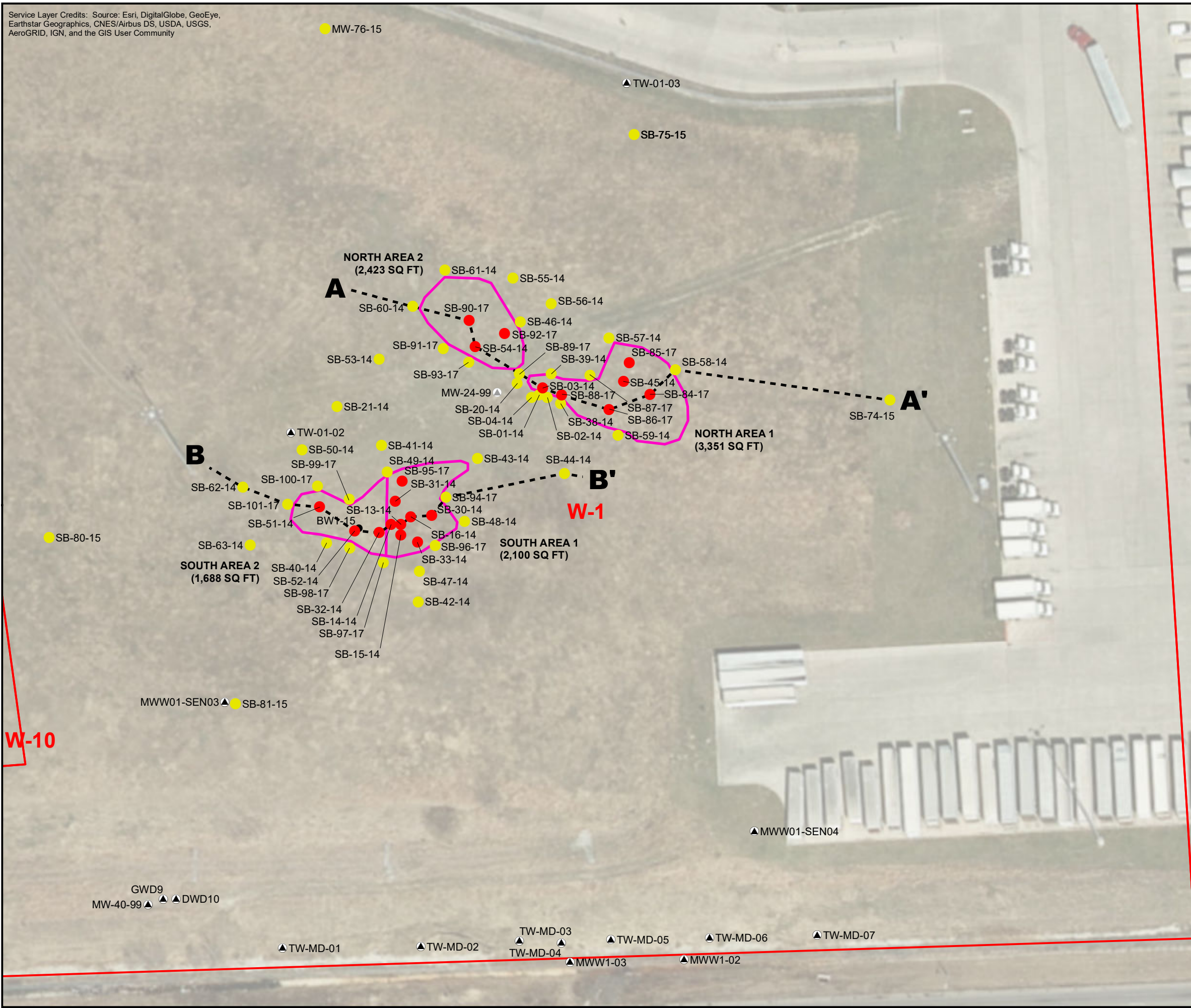
- SOIL BORING PCBs IN SOIL > 100PPM
- SOIL BORING PCBs IN SOIL < 100PPM
- ▲ EXISTING MONITORING WELL
- ▲ MONITORING WELL (ABANDONED)
- SOIL BORING
- PROPERTY BOUNDARY
- ESTIMATED MAXIMUM EXTENT OF PCB IMPACTS > 100PPM IN SOIL
- AREAS OF INTEREST

LNAPL - LIGHT NON-AQUEOUS PHASE LIQUID
 PCBs - POLYCHLORINATED BIPHENYLS
 ppm - PARTS PER MILLION

SCALE IN FEET

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 PONTIAC, MICHIGAN

**LNAPL AREA No. 1/7
 CONCENTRATIONS IN SOIL**



LEGEND

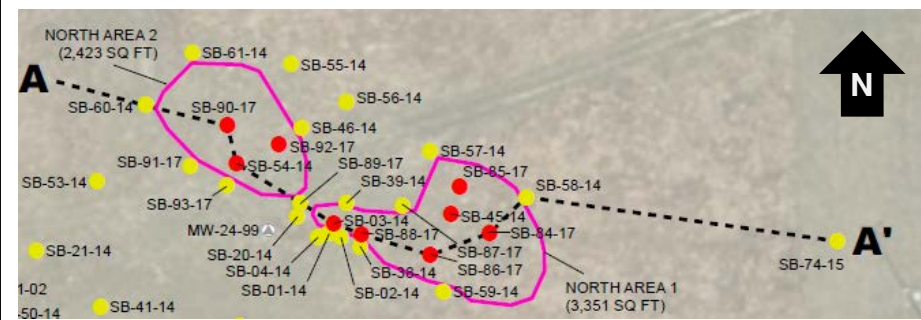
- SOIL BORING PCBs IN SOIL > 100PPM
- SOIL BORING PCBs IN SOIL < 100PPM
- ▲ EXISTING MONITORING WELL
- ▲ MONITORING WELL (ABANDONED)
- SOIL BORING
- CROSS-SECTION TRANSECT
- PROPERTY BOUNDARY
- ESTIMATED MAXIMUM EXTENT OF PCB IMPACTS > 100PPM IN SOIL
- AREAS OF INTEREST

LNAPL - LIGHT NON-AQUEOUS PHASE LIQUID
 PCBs - POLYCHLORINATED BIPHENYLS
 ppm - PARTS PER MILLION

SCALE IN FEET

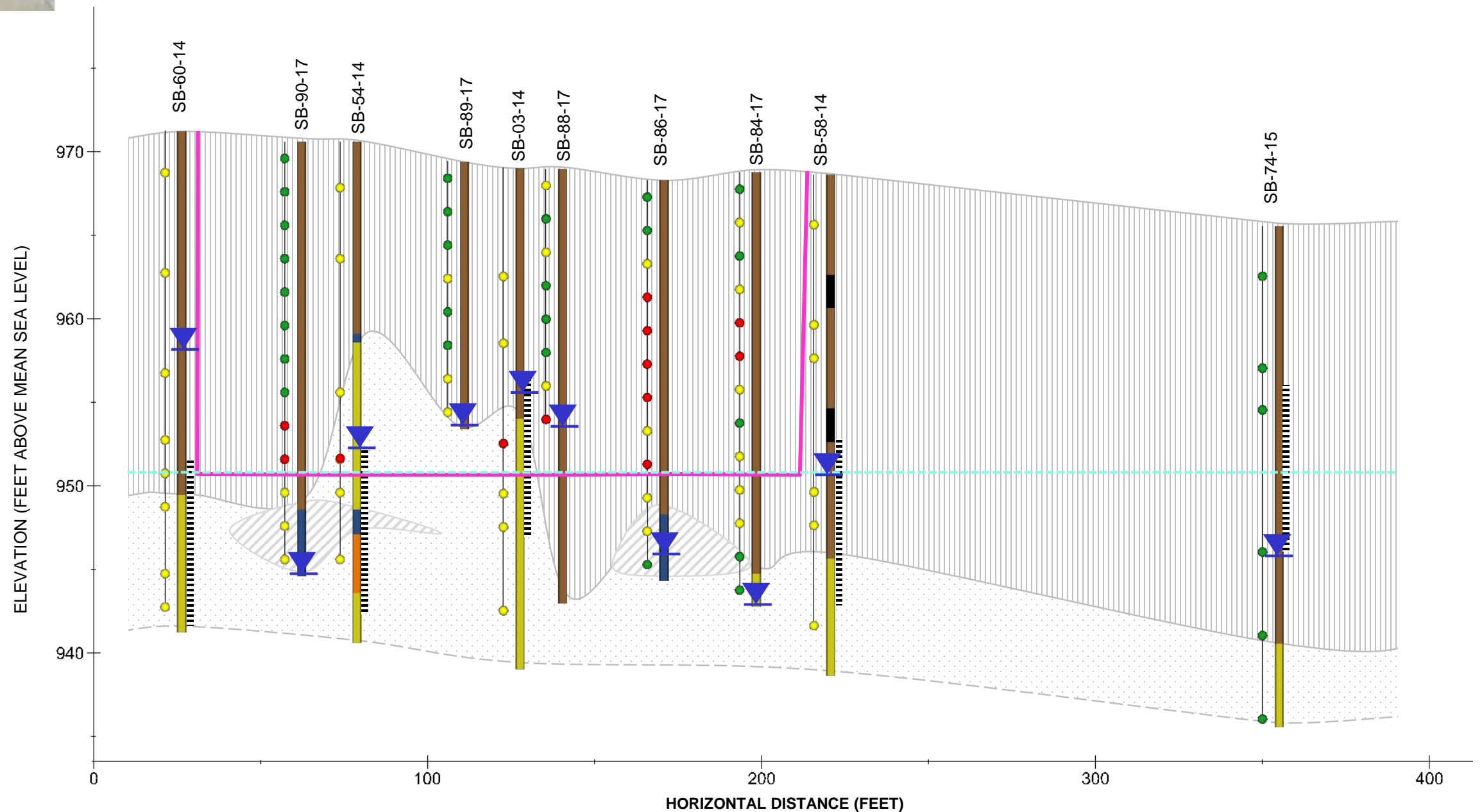
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 PONTIAC, MICHIGAN

**LNAPL AREA No. 1/7
 CROSS-SECTION TRANSECT MAP**



A
WEST

A'
EAST



Please refer to Figure 3 (cross section transect map) for detailed symbology descriptions of symbols present on the aerial map.

PCB – Polychlorinated biphenyls
PPM – Parts per million

Vertical Exaggeration: 5X

Generalized Stratigraphy

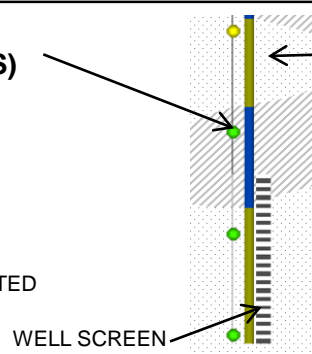
- CONCRETE
- FILL MATERIAL
- GLACIAL OUTWASH DEPOSITS COMPRISED PRIMARILY OF SANDS AND GRAVELS
- GLACIOLACUSTRINE DEPOSITS COMPRISED PRIMARILY OF SILTS AND CLAYS WITH THIN LENSES OF SANDS AND GRAVELS

Borehole Stratigraphy

- FILL
- GRAVEL
- SAND
- SILT
- CLAY
- NO RECOVERY

PCBs IN SOIL (SPHERES)

- >100 PPM
- <100 PPM
- NOT DETECTED (Soil Only)



BOREHOLE STRATIGRAPHY

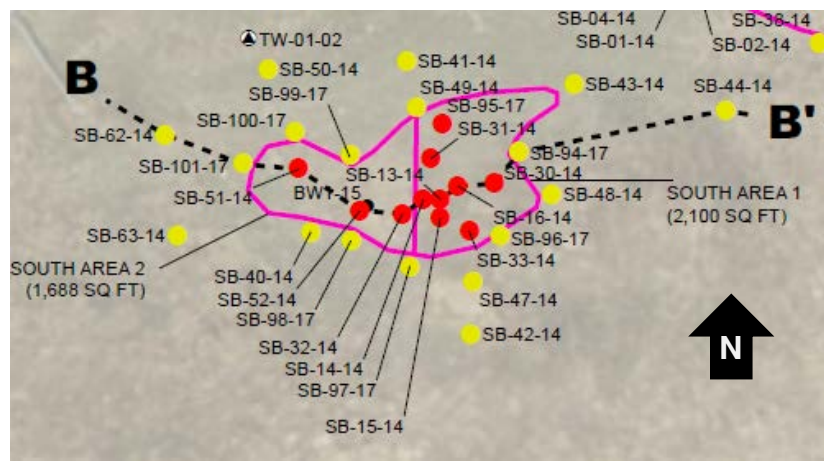
- ESTIMATED MAXIMUM EXTENT OF PCB IMPACTS >100 PPM IN SOIL ABOVE WATER TABLE
- APPROXIMATE GROUNDWATER ELEVATION BASED ON OCTOBER 2017 GAUGING EVENT
- DEPTH TO WATER IN SOIL BORING DURING INSTALLATION

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PCB EXCAVATION EXTENT LNAPL AREA NOS. 1/7
OVERVIEW CROSS SECTION A-A'

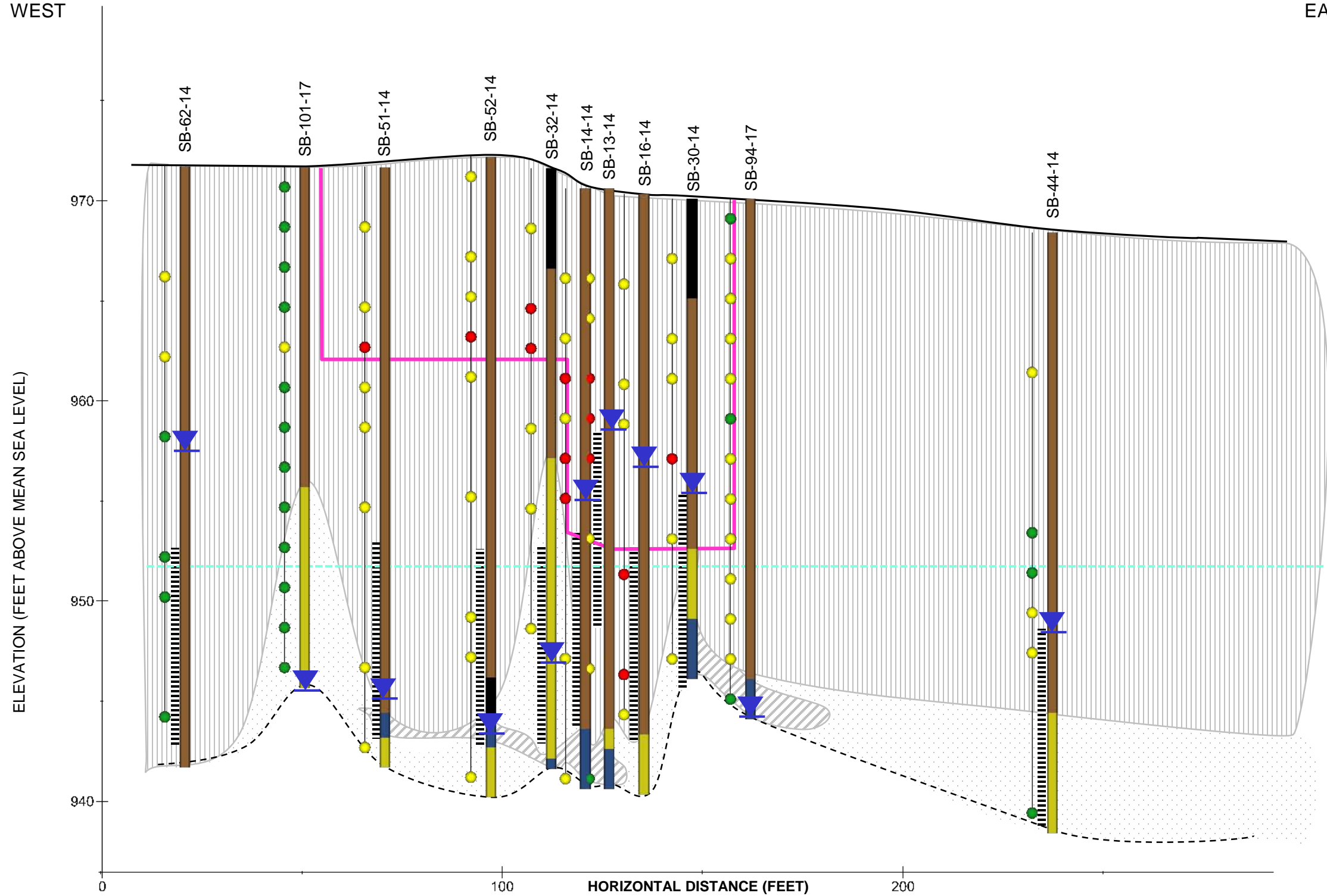
ARCADIS

FIGURE
4A



B
WEST

B'
EAST



Please refer to Figure 3 (cross section transect map) for detailed symbology descriptions of symbols present on the aerial map.

PCB – Polychlorinated biphenyls
PPM – Parts per million

Vertical Exaggeration: 5X

Generalized Stratigraphy

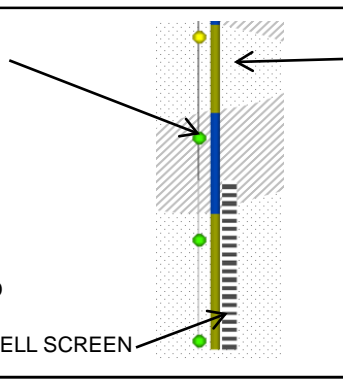
- CONCRETE
- FILL MATERIAL
- GLACIAL OUTWASH DEPOSITS COMPRISED PRIMARILY OF SANDS AND GRAVELS
- GLACIOLACUSTRINE DEPOSITS COMPRISED PRIMARILY OF SILTS AND CLAYS WITH THIN LENSES OF SANDS AND GRAVELS

Borehole Stratigraphy

- FILL
- GRAVEL
- SAND
- SILT
- CLAY
- NO RECOVERY

PCBs IN SOIL (SPHERES)

- >100 PPM
- <100 PPM
- NOT DETECTED (Soil Only)



BOREHOLE STRATIGRAPHY

- ESTIMATED MAXIMUM EXTENT OF PCB IMPACTS >100 PPM IN SOIL ABOVE WATER TABLE
- APPROXIMATE GROUNDWATER ELEVATION BASED ON OCTOBER 2017 GAUGING EVENT
- DEPTH TO WATER IN SOIL BORING DURING INSTALLATION

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PONTIAC NORTH CAMPUS

**PCB EXCAVATION EXTENT LNAPL AREA NOS. 1/7
OVERVIEW CROSS SECTION B-B'**

ARCADIS | FIGURE **4B**

Attachment 1

Analytical Reports



Analytical Laboratory Report

Report ID: S84807.01(01)
Generated on 11/07/2017

Report to

Attention: Theresa Olechiw
Arcadis
28550 Cabot Drive
Suite 500
Novi, MI 48377

Phone: NA FAX: 248-994-2241
Email: theresa.olechiw@arcadis-us.com

Additional Contacts: Colleen Barton

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
John Laverty (johnlaverty@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S84807.01-S84807.76
Project: PNC Racer
Collected Date: 10/30/2017 - 10/31/2017
Submitted Date/Time: 10/31/2017 15:00
Sampled by: Severin Presswood
P.O. #: B0064607.2017

Table of Contents

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Maya Murshak
Technical Director



Analytical Laboratory 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.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

Report Narrative

There is no additional narrative for this analytical report



Analytical Laboratory Report

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
Alaska CSLAP	#17-001

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



Analytical Laboratory Report

Method Summary

Method	Version
SM2540B	Standard Method 2540 B 20th Edition
SW3550C	SW 846 Method 3550C Revision 3 February 2007
SW8082A	SW 846 Method 8082A Revision 1 February 2007



Analytical Laboratory Report

Sample Summary (76 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S84807.01	SB-84-17_(0-2)	Soil	10/30/17 11:55
S84807.02	SB-84-17_(2-4)	Soil	10/30/17 11:56
S84807.03	SB-84-17_(4-6)	Soil	10/30/17 11:57
S84807.04	SB-84-17_(6-8)	Soil	10/30/17 12:00
S84807.05	SB-84-17_(8-10)	Soil	10/30/17 12:01
S84807.06	SB-84-17_(10-12)	Soil	10/30/17 12:03
S84807.07	SB-84-17_(12-14)	Soil	10/30/17 12:04
S84807.08	SB-84-17_(14-16)	Soil	10/30/17 12:05
S84807.09	SB-84-17_(16-18)	Soil	10/30/17 12:07
S84807.10	SB-84-17_(18-20)	Soil	10/30/17 12:09
S84807.11	SB-84-17_(20-22)	Soil	10/30/17 12:10
S84807.12	SB-84-17_(22-24)	Soil	10/30/17 12:12
S84807.13	SB-84-17_(24-26)	Soil	10/30/17 12:15
S84807.14	SB-85-17_(0-2)	Soil	10/30/17 13:15
S84807.15	SB-85-17_(2-4)	Soil	10/30/17 13:17
S84807.16	SB-85-17_(4-6)	Soil	10/30/17 13:20
S84807.17	SB-85-17_(6-8)	Soil	10/30/17 13:22
S84807.18	SB-85-17_(8-10)	Soil	10/30/17 13:24
S84807.19	SB-85-17_(10-12)	Soil	10/30/17 13:26
S84807.20	SB-85-17_(12-14)	Soil	10/30/17 13:28
S84807.21	SB-85-17_(14-16)	Soil	10/30/17 13:30
S84807.22	SB-85-17_(16-18)	Soil	10/30/17 13:35
S84807.23	SB-85-17_(18-20)	Soil	10/30/17 13:36
S84807.24	SB-85-17_(20-22)	Soil	10/30/17 13:37
S84807.25	SB-85-17_(22-24)	Soil	10/30/17 13:38
S84807.26	SB-86-17_(0-2)	Soil	10/30/17 14:40
S84807.27	SB-86-17_(0-2) MS	Soil	10/30/17 14:40
S84807.28	SB-86-17_(0-2) MSD	Soil	10/30/17 14:40
S84807.29	SB-86-17_(2-4)	Soil	10/30/17 14:45
S84807.30	SB-86-17_(4-6)	Soil	10/30/17 14:47
S84807.31	SB-86-17_(6-8)	Soil	10/30/17 14:50
S84807.32	SB-86-17_(8-10)	Soil	10/30/17 14:52
S84807.33	SB-86-17_(10-12)	Soil	10/30/17 14:54
S84807.34	SB-86-17_(12-14)	Soil	10/30/17 14:56
S84807.35	SB-86-17_(14-16)	Soil	10/30/17 14:58
S84807.36	SB-86-17_(16-18)	Soil	10/30/17 15:00
S84807.37	SB-86-17_(18-20)	Soil	10/30/17 15:02
S84807.38	SB-86-17_(20-22)	Soil	10/30/17 15:04
S84807.39	SB-86-17_(22-24)	Soil	10/30/17 15:06
S84807.40	SB-87-17_(0-2)	Soil	10/31/17 09:23
S84807.41	SB-87-17_(0-2) MS	Soil	10/31/17 09:23
S84807.42	SB-87-17_(0-2) MSD	Soil	10/31/17 09:23
S84807.43	SB-87-17_(2-4)	Soil	10/31/17 09:25
S84807.44	SB-87-17_(4-6)	Soil	10/31/17 09:27
S84807.45	SB-87-17_(6-8)	Soil	10/31/17 09:29
S84807.46	SB-87-17_(8-10)	Soil	10/31/17 09:31
S84807.47	SB-87-17_(10-12)	Soil	10/31/17 09:33
S84807.48	SB-87-17_(12-14)	Soil	10/31/17 09:35
S84807.49	SB-87-17_(14-16)	Soil	10/31/17 09:37
S84807.50	SB-87-17_(16-18)	Soil	10/31/17 09:39
S84807.51	SB-87-17_(18-20)	Soil	10/31/17 09:41
S84807.52	SB-87-17_(20-22)	Soil	10/31/17 09:43
S84807.53	SB-88-17_(0-2)	Soil	10/31/17 10:32



Analytical Laboratory Report

Sample Summary (continued)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S84807.54	SB-88-17_(2-4)	Soil	10/31/17 10:34
S84807.55	SB-88-17_(4-6)	Soil	10/31/17 10:36
S84807.56	SB-88-17_(6-8)	Soil	10/31/17 10:38
S84807.57	SB-88-17_(8-10)	Soil	10/31/17 10:40
S84807.58	SB-88-17_(10-12)	Soil	10/31/17 10:42
S84807.59	SB-88-17_(12-14)	Soil	10/31/17 10:44
S84807.60	SB-88-17_(14-16)	Soil	10/31/17 10:46
S84807.61	SB-89-17_(0-2)	Soil	10/31/17 12:16
S84807.62	SB-89-17_(0-2) MS	Soil	10/31/17 12:16
S84807.63	SB-89-17_(0-2) MSD	Soil	10/31/17 12:16
S84807.64	SB-89-17_(2-4)	Soil	10/31/17 12:18
S84807.65	SB-89-17_(4-6)	Soil	10/31/17 12:20
S84807.66	SB-89-17_(6-8)	Soil	10/31/17 12:22
S84807.67	SB-89-17_(8-10)	Soil	10/31/17 12:24
S84807.68	SB-89-17_(10-12)	Soil	10/31/17 12:26
S84807.69	SB-89-17_(12-14)	Soil	10/31/17 12:28
S84807.70	SB-89-17_(14-16)	Soil	10/31/17 12:30
S84807.71	DUP-01	Soil	10/30/17 00:01
S84807.72	DUP-02	Soil	10/30/17 00:01
S84807.73	DUP-03	Soil	10/30/17 00:01
S84807.74	DUP-04	Soil	10/31/17 00:01
S84807.75	DUP-05	Soil	10/31/17 00:01
S84807.76	DUP-06	Soil	10/31/17 00:01



Analytical Laboratory Report

Lab Sample ID: S84807.01

Sample Tag: SB-84-17_(0-2)

Collected Date/Time: 10/30/2017 11:55

Matrix: Soil

COC Reference: 108567

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
----------	---------	-------	----	--------	---------------	------	--------	-------

Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
-----------------	-----------	--	--	---------	----------------	-----	--	--

Inorganics

Total Solids*	88	%	1	SM2540B	11/02/17 09:40	JBL		
---------------	----	---	---	---------	----------------	-----	--	--

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 01:41	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 01:41	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 01:41	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 01:41	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/02/17 01:41	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 01:41	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 01:41	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.02

Sample Tag: SB-84-17_(2-4)

Collected Date/Time: 10/30/2017 11:56

Matrix: Soil

COC Reference: 108567

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
----------	---------	-------	----	--------	---------------	------	--------	-------

Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
-----------------	-----------	--	--	---------	----------------	-----	--	--

Inorganics

Total Solids*	86	%	1	SM2540B	11/02/17 09:40	JBL		
---------------	----	---	---	---------	----------------	-----	--	--

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	11/01/17 20:29	JAN		Y
PCB-1242	3,300	ug/kg	600	SW8082A	11/01/17 20:29	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	11/01/17 20:29	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	11/01/17 20:29	JAN		Y
PCB-1248	Not detected	ug/kg	600	SW8082A	11/01/17 20:29	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	11/01/17 20:29	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	11/01/17 20:29	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.03

Sample Tag: SB-84-17_(4-6)

Collected Date/Time: 10/30/2017 11:57

Matrix: Soil

COC Reference: 108567

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
----------	---------	-------	----	--------	---------------	------	--------	-------

Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
-----------------	-----------	--	--	---------	----------------	-----	--	--

Inorganics

Total Solids*	73	%	1	SM2540B	11/02/17 09:40	JBL		
---------------	----	---	---	---------	----------------	-----	--	--

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 01:52	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 01:52	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 01:52	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 01:52	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/02/17 01:52	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 01:52	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 01:52	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.04

Sample Tag: SB-84-17_(6-8)

Collected Date/Time: 10/30/2017 12:00

Matrix: Soil

COC Reference: 108567

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
----------	---------	-------	----	--------	---------------	------	--------	-------

Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
-----------------	-----------	--	--	---------	----------------	-----	--	--

Inorganics

Total Solids*	88	%	1	SM2540B	11/02/17 09:40	JBL		
---------------	----	---	---	---------	----------------	-----	--	--

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	11/01/17 21:08	JAN		Y
PCB-1242	5,000	ug/kg	1,000	SW8082A	11/01/17 21:08	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	11/01/17 21:08	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	11/01/17 21:08	JAN		Y
PCB-1248	Not detected	ug/kg	1,000	SW8082A	11/01/17 21:08	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	11/01/17 21:08	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	11/01/17 21:08	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.05
 Sample Tag: SB-84-17_(8-10)
 Collected Date/Time: 10/30/2017 12:01
 Matrix: Soil
 COC Reference: 108567

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
Extraction / Prep.								
Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
Inorganics								
Total Solids*	84	%	1	SM2540B	11/02/17 09:40	JBL		
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	30,000	SW8082A	11/02/17 20:50	JAN		Y
PCB-1242	143,000	ug/kg	30,000	SW8082A	11/02/17 20:50	JAN		Y
PCB-1221	Not detected	ug/kg	30,000	SW8082A	11/02/17 20:50	JAN		Y
PCB-1232	Not detected	ug/kg	30,000	SW8082A	11/02/17 20:50	JAN		Y
PCB-1248	Not detected	ug/kg	30,000	SW8082A	11/02/17 20:50	JAN		Y
PCB-1254	Not detected	ug/kg	30,000	SW8082A	11/02/17 20:50	JAN		Y
PCB-1260	Not detected	ug/kg	30,000	SW8082A	11/02/17 20:50	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.06

Sample Tag: SB-84-17_(10-12)

Collected Date/Time: 10/30/2017 12:03

Matrix: Soil

COC Reference: 108567

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	30,000	SW8082A	11/02/17 21:01	JAN		Y
PCB-1242	227,000	ug/kg	30,000	SW8082A	11/02/17 21:01	JAN		Y
PCB-1221	Not detected	ug/kg	30,000	SW8082A	11/02/17 21:01	JAN		Y
PCB-1232	Not detected	ug/kg	30,000	SW8082A	11/02/17 21:01	JAN		Y
PCB-1248	Not detected	ug/kg	30,000	SW8082A	11/02/17 21:01	JAN		Y
PCB-1254	Not detected	ug/kg	30,000	SW8082A	11/02/17 21:01	JAN		Y
PCB-1260	Not detected	ug/kg	30,000	SW8082A	11/02/17 21:01	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.07

Sample Tag: SB-84-17_(12-14)

Collected Date/Time: 10/30/2017 12:04

Matrix: Soil

COC Reference: 108567

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	91	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	5,000	SW8082A	11/01/17 22:56	JAN		Y
PCB-1242	20,000	ug/kg	5,000	SW8082A	11/01/17 22:56	JAN		Y
PCB-1221	Not detected	ug/kg	5,000	SW8082A	11/01/17 22:56	JAN		Y
PCB-1232	Not detected	ug/kg	5,000	SW8082A	11/01/17 22:56	JAN		Y
PCB-1248	Not detected	ug/kg	5,000	SW8082A	11/01/17 22:56	JAN		Y
PCB-1254	Not detected	ug/kg	5,000	SW8082A	11/01/17 22:56	JAN		Y
PCB-1260	Not detected	ug/kg	5,000	SW8082A	11/01/17 22:56	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.08

Sample Tag: SB-84-17_(14-16)

Collected Date/Time: 10/30/2017 12:05

Matrix: Soil

COC Reference: 108567

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	91	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/01/17 21:21	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/01/17 21:21	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/01/17 21:21	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/01/17 21:21	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/01/17 21:21	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/01/17 21:21	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/01/17 21:21	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.09

Sample Tag: SB-84-17_(16-18)

Collected Date/Time: 10/30/2017 12:07

Matrix: Soil

COC Reference: 108567

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	81	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	11/01/17 23:07	JAN		Y
PCB-1242	61,000	ug/kg	6,000	SW8082A	11/01/17 23:07	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	11/01/17 23:07	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	11/01/17 23:07	JAN		Y
PCB-1248	Not detected	ug/kg	6,000	SW8082A	11/01/17 23:07	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	11/01/17 23:07	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	11/01/17 23:07	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.10

Sample Tag: SB-84-17_(18-20)

Collected Date/Time: 10/30/2017 12:09

Matrix: Soil

COC Reference: 108567

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	500	SW8082A	11/01/17 22:34	JAN		Y
PCB-1242	Not detected	ug/kg	500	SW8082A	11/01/17 22:34	JAN		Y
PCB-1221	Not detected	ug/kg	500	SW8082A	11/01/17 22:34	JAN		Y
PCB-1232	Not detected	ug/kg	500	SW8082A	11/01/17 22:34	JAN		Y
PCB-1248	3,400	ug/kg	500	SW8082A	11/01/17 22:34	JAN		Y
PCB-1254	Not detected	ug/kg	500	SW8082A	11/01/17 22:34	JAN		Y
PCB-1260	Not detected	ug/kg	500	SW8082A	11/01/17 22:34	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.11

Sample Tag: SB-84-17_(20-22)

Collected Date/Time: 10/30/2017 12:10

Matrix: Soil

COC Reference: 108567

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	11/01/17 22:45	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	11/01/17 22:45	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	11/01/17 22:45	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	11/01/17 22:45	JAN		Y
PCB-1248	3,400	ug/kg	600	SW8082A	11/01/17 22:45	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	11/01/17 22:45	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	11/01/17 22:45	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.12

Sample Tag: SB-84-17_(22-24)

Collected Date/Time: 10/30/2017 12:12

Matrix: Soil

COC Reference: 108567

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	76	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 02:03	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 02:03	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 02:03	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 02:03	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/02/17 02:03	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 02:03	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 02:03	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.13

Sample Tag: SB-84-17_(24-26)

Collected Date/Time: 10/30/2017 12:15

Matrix: Soil

COC Reference: 108553

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 02:14	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 02:14	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 02:14	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 02:14	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/02/17 02:14	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 02:14	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 02:14	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.14

Sample Tag: SB-85-17_(0-2)

Collected Date/Time: 10/30/2017 13:15

Matrix: Soil

COC Reference: 108553

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 02:25	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 02:25	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 02:25	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 02:25	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/02/17 02:25	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 02:25	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 02:25	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.15

Sample Tag: SB-85-17_(2-4)

Collected Date/Time: 10/30/2017 13:17

Matrix: Soil

COC Reference: 108553

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 02:37	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 02:37	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 02:37	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 02:37	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/02/17 02:37	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 02:37	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 02:37	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.16

Sample Tag: SB-85-17_(4-6)

Collected Date/Time: 10/30/2017 13:20

Matrix: Soil

COC Reference: 108553

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 02:48	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 02:48	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 02:48	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 02:48	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/02/17 02:48	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 02:48	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 02:48	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.17

Sample Tag: SB-85-17_(6-8)

Collected Date/Time: 10/30/2017 13:22

Matrix: Soil

COC Reference: 108553

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	11/01/17 23:18	JAN		Y
PCB-1242	57,000	ug/kg	6,000	SW8082A	11/01/17 23:18	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	11/01/17 23:18	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	11/01/17 23:18	JAN		Y
PCB-1248	Not detected	ug/kg	6,000	SW8082A	11/01/17 23:18	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	11/01/17 23:18	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	11/01/17 23:18	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.18

Sample Tag: SB-85-17_(8-10)

Collected Date/Time: 10/30/2017 13:24

Matrix: Soil

COC Reference: 108553

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	12,000	SW8082A	11/02/17 21:12	JAN		Y
PCB-1242	79,000	ug/kg	12,000	SW8082A	11/02/17 21:12	JAN		Y
PCB-1221	Not detected	ug/kg	12,000	SW8082A	11/02/17 21:12	JAN		Y
PCB-1232	Not detected	ug/kg	12,000	SW8082A	11/02/17 21:12	JAN		Y
PCB-1248	Not detected	ug/kg	12,000	SW8082A	11/02/17 21:12	JAN		Y
PCB-1254	Not detected	ug/kg	12,000	SW8082A	11/02/17 21:12	JAN		Y
PCB-1260	Not detected	ug/kg	12,000	SW8082A	11/02/17 21:12	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.19

Sample Tag: SB-85-17_(10-12)

Collected Date/Time: 10/30/2017 13:26

Matrix: Soil

COC Reference: 108553

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	11/01/17 21:45	JAN		Y
PCB-1242	27,000	ug/kg	6,000	SW8082A	11/01/17 21:45	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	11/01/17 21:45	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	11/01/17 21:45	JAN		Y
PCB-1248	Not detected	ug/kg	6,000	SW8082A	11/01/17 21:45	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	11/01/17 21:45	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	11/01/17 21:45	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.20

Sample Tag: SB-85-17_(12-14)

Collected Date/Time: 10/30/2017 13:28

Matrix: Soil

COC Reference: 108553

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	82	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 21:23	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 21:23	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 21:23	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 21:23	JAN		
PCB-1248	1,000	ug/kg	330	SW8082A	11/02/17 21:23	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 21:23	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 21:23	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.21

Sample Tag: SB-85-17_(14-16)

Collected Date/Time: 10/30/2017 13:30

Matrix: Soil

COC Reference: 108553

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	71	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	21,000	SW8082A	11/02/17 21:45	JAN		Y
PCB-1242	Not detected	ug/kg	21,000	SW8082A	11/02/17 21:45	JAN		Y
PCB-1221	Not detected	ug/kg	21,000	SW8082A	11/02/17 21:45	JAN		Y
PCB-1232	Not detected	ug/kg	21,000	SW8082A	11/02/17 21:45	JAN		Y
PCB-1248	143,000	ug/kg	21,000	SW8082A	11/02/17 21:45	JAN		Y
PCB-1254	Not detected	ug/kg	21,000	SW8082A	11/02/17 21:45	JAN		Y
PCB-1260	Not detected	ug/kg	21,000	SW8082A	11/02/17 21:45	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.22

Sample Tag: SB-85-17_(16-18)

Collected Date/Time: 10/30/2017 13:35

Matrix: Soil

COC Reference: 108553

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	82	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 13:06	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/03/17 13:06	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 13:06	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 13:06	JAN		
PCB-1248	500	ug/kg	330	SW8082A	11/03/17 13:06	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 13:06	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 13:06	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.23

Sample Tag: SB-85-17_(18-20)

Collected Date/Time: 10/30/2017 13:36

Matrix: Soil

COC Reference: 108553

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	73	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	7,000	SW8082A	11/02/17 03:21	JAN		Y
PCB-1242	Not detected	ug/kg	7,000	SW8082A	11/02/17 03:21	JAN		Y
PCB-1221	Not detected	ug/kg	7,000	SW8082A	11/02/17 03:21	JAN		Y
PCB-1232	Not detected	ug/kg	7,000	SW8082A	11/02/17 03:21	JAN		Y
PCB-1248	27,000	ug/kg	7,000	SW8082A	11/02/17 03:21	JAN		Y
PCB-1254	Not detected	ug/kg	7,000	SW8082A	11/02/17 03:21	JAN		Y
PCB-1260	Not detected	ug/kg	7,000	SW8082A	11/02/17 03:21	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.24

Sample Tag: SB-85-17_(20-22)

Collected Date/Time: 10/30/2017 13:37

Matrix: Soil

COC Reference: 108553

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 21:34	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 21:34	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 21:34	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 21:34	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/02/17 21:34	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 21:34	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 21:34	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.25

Sample Tag: SB-85-17_(22-24)

Collected Date/Time: 10/30/2017 13:38

Matrix: Soil

COC Reference: 108566

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 00:02	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 00:02	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 00:02	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 00:02	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/02/17 00:02	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 00:02	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 00:02	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.26

Sample Tag: SB-86-17_(0-2)

Collected Date/Time: 10/30/2017 14:40

Matrix: Soil

COC Reference: 108566

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/01/17 19:01	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/01/17 19:01	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/01/17 19:01	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/01/17 19:01	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/01/17 19:01	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/01/17 19:01	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/01/17 19:01	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.27

Sample Tag: SB-86-17_(0-2) MS

Collected Date/Time: 10/30/2017 14:40

Matrix: Soil

COC Reference: 108566

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	20	ug/kg	330	SW8082A	11/01/17 19:20	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/01/17 19:20	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/01/17 19:20	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/01/17 19:20	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/01/17 19:20	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/01/17 19:20	JAN		
PCB-1260	20	ug/kg	330	SW8082A	11/01/17 19:20	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.28

Sample Tag: SB-86-17_(0-2) MSD

Collected Date/Time: 10/30/2017 14:40

Matrix: Soil

COC Reference: 108566

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	20	ug/kg	330	SW8082A	11/01/17 19:47	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/01/17 19:47	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/01/17 19:47	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/01/17 19:47	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/01/17 19:47	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/01/17 19:47	JAN		
PCB-1260	20	ug/kg	330	SW8082A	11/01/17 19:47	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.29

Sample Tag: SB-86-17_(2-4)

Collected Date/Time: 10/30/2017 14:45

Matrix: Soil

COC Reference: 108566

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 00:13	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 00:13	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 00:13	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 00:13	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/02/17 00:13	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 00:13	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 00:13	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.30
 Sample Tag: SB-86-17_(4-6)
 Collected Date/Time: 10/30/2017 14:47
 Matrix: Soil
 COC Reference: 108566

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	5,000	SW8082A	11/02/17 03:32	JAN		Y
PCB-1242	38,000	ug/kg	5,000	SW8082A	11/02/17 03:32	JAN		Y
PCB-1221	Not detected	ug/kg	5,000	SW8082A	11/02/17 03:32	JAN		Y
PCB-1232	Not detected	ug/kg	5,000	SW8082A	11/02/17 03:32	JAN		Y
PCB-1248	Not detected	ug/kg	5,000	SW8082A	11/02/17 03:32	JAN		Y
PCB-1254	Not detected	ug/kg	5,000	SW8082A	11/02/17 03:32	JAN		Y
PCB-1260	Not detected	ug/kg	5,000	SW8082A	11/02/17 03:32	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.31

Sample Tag: SB-86-17_(6-8)

Collected Date/Time: 10/30/2017 14:50

Matrix: Soil

COC Reference: 108566

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	29,000	SW8082A	11/02/17 22:19	JAN		Y
PCB-1242	183,000	ug/kg	29,000	SW8082A	11/02/17 22:19	JAN		Y
PCB-1221	Not detected	ug/kg	29,000	SW8082A	11/02/17 22:19	JAN		Y
PCB-1232	Not detected	ug/kg	29,000	SW8082A	11/02/17 22:19	JAN		Y
PCB-1248	Not detected	ug/kg	29,000	SW8082A	11/02/17 22:19	JAN		Y
PCB-1254	Not detected	ug/kg	29,000	SW8082A	11/02/17 22:19	JAN		Y
PCB-1260	Not detected	ug/kg	29,000	SW8082A	11/02/17 22:19	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.32

Sample Tag: SB-86-17_(8-10)

Collected Date/Time: 10/30/2017 14:52

Matrix: Soil

COC Reference: 108566

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	57,000	SW8082A	11/02/17 22:30	JAN		Y
PCB-1242	271,000	ug/kg	57,000	SW8082A	11/02/17 22:30	JAN		Y
PCB-1221	Not detected	ug/kg	57,000	SW8082A	11/02/17 22:30	JAN		Y
PCB-1232	Not detected	ug/kg	57,000	SW8082A	11/02/17 22:30	JAN		Y
PCB-1248	Not detected	ug/kg	57,000	SW8082A	11/02/17 22:30	JAN		Y
PCB-1254	Not detected	ug/kg	57,000	SW8082A	11/02/17 22:30	JAN		Y
PCB-1260	Not detected	ug/kg	57,000	SW8082A	11/02/17 22:30	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.33

Sample Tag: SB-86-17_(10-12)

Collected Date/Time: 10/30/2017 14:54

Matrix: Soil

COC Reference: 108566

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	27,000	SW8082A	11/02/17 22:41	JAN		Y
PCB-1242	Not detected	ug/kg	27,000	SW8082A	11/02/17 22:41	JAN		Y
PCB-1221	Not detected	ug/kg	27,000	SW8082A	11/02/17 22:41	JAN		Y
PCB-1232	Not detected	ug/kg	27,000	SW8082A	11/02/17 22:41	JAN		Y
PCB-1248	114,000	ug/kg	27,000	SW8082A	11/02/17 22:41	JAN		Y
PCB-1254	Not detected	ug/kg	27,000	SW8082A	11/02/17 22:41	JAN		Y
PCB-1260	Not detected	ug/kg	27,000	SW8082A	11/02/17 22:41	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.34

Sample Tag: SB-86-17_(12-14)

Collected Date/Time: 10/30/2017 14:56

Matrix: Soil

COC Reference: 108566

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	83	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	12,000	SW8082A	11/02/17 22:52	JAN		Y
PCB-1242	120,000	ug/kg	12,000	SW8082A	11/02/17 22:52	JAN		Y
PCB-1221	Not detected	ug/kg	12,000	SW8082A	11/02/17 22:52	JAN		Y
PCB-1232	Not detected	ug/kg	12,000	SW8082A	11/02/17 22:52	JAN		Y
PCB-1248	Not detected	ug/kg	12,000	SW8082A	11/02/17 22:52	JAN		Y
PCB-1254	Not detected	ug/kg	12,000	SW8082A	11/02/17 22:52	JAN		Y
PCB-1260	Not detected	ug/kg	12,000	SW8082A	11/02/17 22:52	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.35

Sample Tag: SB-86-17_(14-16)

Collected Date/Time: 10/30/2017 14:58

Matrix: Soil

COC Reference: 108566

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	5,000	SW8082A	11/02/17 04:27	JAN		Y
PCB-1242	35,000	ug/kg	5,000	SW8082A	11/02/17 04:27	JAN		Y
PCB-1221	Not detected	ug/kg	5,000	SW8082A	11/02/17 04:27	JAN		Y
PCB-1232	Not detected	ug/kg	5,000	SW8082A	11/02/17 04:27	JAN		Y
PCB-1248	Not detected	ug/kg	5,000	SW8082A	11/02/17 04:27	JAN		Y
PCB-1254	Not detected	ug/kg	5,000	SW8082A	11/02/17 04:27	JAN		Y
PCB-1260	Not detected	ug/kg	5,000	SW8082A	11/02/17 04:27	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.36

Sample Tag: SB-86-17_(16-18)

Collected Date/Time: 10/30/2017 15:00

Matrix: Soil

COC Reference: 108566

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/01/17 15:38	PLB		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	29,000	SW8082A	11/02/17 20:39	JAN		Y
PCB-1242	196,000	ug/kg	29,000	SW8082A	11/02/17 20:39	JAN		Y
PCB-1221	Not detected	ug/kg	29,000	SW8082A	11/02/17 20:39	JAN		Y
PCB-1232	Not detected	ug/kg	29,000	SW8082A	11/02/17 20:39	JAN		Y
PCB-1248	Not detected	ug/kg	29,000	SW8082A	11/02/17 20:39	JAN		Y
PCB-1254	Not detected	ug/kg	29,000	SW8082A	11/02/17 20:39	JAN		Y
PCB-1260	Not detected	ug/kg	29,000	SW8082A	11/02/17 20:39	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.37

Sample Tag: SB-86-17_(18-20)

Collected Date/Time: 10/30/2017 15:02

Matrix: Soil

COC Reference: 108566

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	11/02/17 20:03	JAN		Y
PCB-1242	5,000	ug/kg	1,000	SW8082A	11/02/17 20:03	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	11/02/17 20:03	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	11/02/17 20:03	JAN		Y
PCB-1248	Not detected	ug/kg	1,000	SW8082A	11/02/17 20:03	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	11/02/17 20:03	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	11/02/17 20:03	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.38

Sample Tag: SB-86-17_(20-22)

Collected Date/Time: 10/30/2017 15:04

Matrix: Soil

COC Reference: 108566

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	11/02/17 23:03	JAN		Y
PCB-1242	7,000	ug/kg	1,000	SW8082A	11/02/17 23:03	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	11/02/17 23:03	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	11/02/17 23:03	JAN		Y
PCB-1248	Not detected	ug/kg	1,000	SW8082A	11/02/17 23:03	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	11/02/17 23:03	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	11/02/17 23:03	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.39

Sample Tag: SB-86-17_(22-24)

Collected Date/Time: 10/30/2017 15:06

Matrix: Soil

COC Reference: 108562

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 23:14	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 23:14	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 23:14	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 23:14	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/02/17 23:14	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 23:14	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 23:14	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.40

Sample Tag: SB-87-17_(0-2)

Collected Date/Time: 10/31/2017 09:23

Matrix: Soil

COC Reference: 108562

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/02/17 09:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 11:36	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 11:36	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 11:36	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 11:36	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 11:36	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 11:36	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 11:36	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.41

Sample Tag: SB-87-17_(0-2) MS

Collected Date/Time: 10/31/2017 09:23

Matrix: Soil

COC Reference: 108562

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	60	ug/kg	330	SW8082A	11/06/17 11:51	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 11:51	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 11:51	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 11:51	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 11:51	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 11:51	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/06/17 11:51	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.42

Sample Tag: SB-87-17_(0-2) MSD

Collected Date/Time: 10/31/2017 09:23

Matrix: Soil

COC Reference: 108562

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	60	ug/kg	330	SW8082A	11/06/17 12:02	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 12:02	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 12:02	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 12:02	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 12:02	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 12:02	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/06/17 12:02	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.43
 Sample Tag: SB-87-17_(2-4)
 Collected Date/Time: 10/31/2017 09:25
 Matrix: Soil
 COC Reference: 108562

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 21:05	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/03/17 21:05	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 21:05	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 21:05	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 21:05	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 21:05	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 21:05	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.44

Sample Tag: SB-87-17_(4-6)

Collected Date/Time: 10/31/2017 09:27

Matrix: Soil

COC Reference: 108562

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	94	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 23:25	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 23:25	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 23:25	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 23:25	JAN		
PCB-1248	1,200	ug/kg	330	SW8082A	11/02/17 23:25	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 23:25	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 23:25	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.45

Sample Tag: SB-87-17_(6-8)

Collected Date/Time: 10/31/2017 09:29

Matrix: Soil

COC Reference: 108562

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 23:36	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 23:36	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 23:36	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 23:36	JAN		
PCB-1248	1,000	ug/kg	330	SW8082A	11/02/17 23:36	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 23:36	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 23:36	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.46
 Sample Tag: SB-87-17_(8-10)
 Collected Date/Time: 10/31/2017 09:31
 Matrix: Soil
 COC Reference: 108562

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	45	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 14:50	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 14:50	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 14:50	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 14:50	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 14:50	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 14:50	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 14:50	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.47

Sample Tag: SB-87-17_(10-12)

Collected Date/Time: 10/31/2017 09:33

Matrix: Soil

COC Reference: 108562

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 23:47	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 23:47	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 23:47	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 23:47	JAN		
PCB-1248	400	ug/kg	330	SW8082A	11/02/17 23:47	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 23:47	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 23:47	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.48

Sample Tag: SB-87-17_(12-14)

Collected Date/Time: 10/31/2017 09:35

Matrix: Soil

COC Reference: 108562

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/02/17 23:58	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/02/17 23:58	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/02/17 23:58	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/02/17 23:58	JAN		
PCB-1248	1,300	ug/kg	330	SW8082A	11/02/17 23:58	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/02/17 23:58	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/02/17 23:58	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.49

Sample Tag: SB-87-17_(14-16)

Collected Date/Time: 10/31/2017 09:37

Matrix: Soil

COC Reference: 108562

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 00:09	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/03/17 00:09	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 00:09	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 00:09	JAN		
PCB-1248	600	ug/kg	330	SW8082A	11/03/17 00:09	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 00:09	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 00:09	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.50

Sample Tag: SB-87-17_(16-18)

Collected Date/Time: 10/31/2017 09:39

Matrix: Soil

COC Reference: 108562

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	77	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	11/03/17 00:20	JAN		Y
PCB-1242	13,000	ug/kg	1,000	SW8082A	11/03/17 00:20	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	11/03/17 00:20	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	11/03/17 00:20	JAN		Y
PCB-1248	Not detected	ug/kg	1,000	SW8082A	11/03/17 00:20	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	11/03/17 00:20	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	11/03/17 00:20	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.51

Sample Tag: SB-87-17_(18-20)

Collected Date/Time: 10/31/2017 09:41

Matrix: Soil

COC Reference: 108562

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 00:31	JAN		
PCB-1242	3,600	ug/kg	330	SW8082A	11/03/17 00:31	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 00:31	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 00:31	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 00:31	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 00:31	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 00:31	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.52

Sample Tag: SB-87-17_(20-22)

Collected Date/Time: 10/31/2017 09:43

Matrix: Soil

COC Reference: 108562

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	11/03/17 00:42	JAN		Y
PCB-1242	51,000	ug/kg	6,000	SW8082A	11/03/17 00:42	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	11/03/17 00:42	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	11/03/17 00:42	JAN		Y
PCB-1248	Not detected	ug/kg	6,000	SW8082A	11/03/17 00:42	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	11/03/17 00:42	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	11/03/17 00:42	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.53

Sample Tag: SB-88-17_(0-2)

Collected Date/Time: 10/31/2017 10:32

Matrix: Soil

COC Reference: 108561

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 00:53	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/03/17 00:53	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 00:53	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 00:53	JAN		
PCB-1248	400	ug/kg	330	SW8082A	11/03/17 00:53	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 00:53	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 00:53	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.54

Sample Tag: SB-88-17_(2-4)

Collected Date/Time: 10/31/2017 10:34

Matrix: Soil

COC Reference: 108561

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 01:04	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/03/17 01:04	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 01:04	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 01:04	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 01:04	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 01:04	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 01:04	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.55

Sample Tag: SB-88-17_(4-6)

Collected Date/Time: 10/31/2017 10:36

Matrix: Soil

COC Reference: 108561

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	91	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 21:16	JAN		
PCB-1242	500	ug/kg	330	SW8082A	11/03/17 21:16	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 21:16	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 21:16	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 21:16	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 21:16	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 21:16	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.56

Sample Tag: SB-88-17_(6-8)

Collected Date/Time: 10/31/2017 10:38

Matrix: Soil

COC Reference: 108561

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	83	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 01:15	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/03/17 01:15	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 01:15	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 01:15	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 01:15	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 01:15	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 01:15	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.57

Sample Tag: SB-88-17_(8-10)

Collected Date/Time: 10/31/2017 10:40

Matrix: Soil

COC Reference: 108561

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 01:26	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/03/17 01:26	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 01:26	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 01:26	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 01:26	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 01:26	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 01:26	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.58

Sample Tag: SB-88-17_(10-12)

Collected Date/Time: 10/31/2017 10:42

Matrix: Soil

COC Reference: 108561

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	74	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 01:37	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/03/17 01:37	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 01:37	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 01:37	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 01:37	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 01:37	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 01:37	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.59

Sample Tag: SB-88-17_(12-14)

Collected Date/Time: 10/31/2017 10:44

Matrix: Soil

COC Reference: 108561

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	76	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 14:00	JAN		
PCB-1242	2,400	ug/kg	330	SW8082A	11/03/17 14:00	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 14:00	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 14:00	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 14:00	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 14:00	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 14:00	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.60

Sample Tag: SB-88-17_(14-16)

Collected Date/Time: 10/31/2017 10:46

Matrix: Soil

COC Reference: 108561

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 13:49	JAN		Y
PCB-1242	167,000	ug/kg	330	SW8082A	11/03/17 13:49	JAN		Y
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 13:49	JAN		Y
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 13:49	JAN		Y
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 13:49	JAN		Y
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 13:49	JAN		Y
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 13:49	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.61

Sample Tag: SB-89-17_(0-2)

Collected Date/Time: 10/31/2017 12:16

Matrix: Soil

COC Reference: 108561

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 12:30	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 12:30	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 12:30	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 12:30	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 12:30	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 12:30	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 12:30	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.62

Sample Tag: SB-89-17_(0-2) MS

Collected Date/Time: 10/31/2017 12:16

Matrix: Soil

COC Reference: 108561

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	50	ug/kg	330	SW8082A	11/06/17 12:41	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 12:41	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 12:41	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 12:41	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 12:41	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 12:41	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/06/17 12:41	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.63

Sample Tag: SB-89-17_(0-2) MSD

Collected Date/Time: 10/31/2017 12:16

Matrix: Soil

COC Reference: 108561

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	50	ug/kg	330	SW8082A	11/06/17 12:56	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 12:56	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 12:56	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 12:56	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 12:56	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 12:56	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/06/17 12:56	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.64

Sample Tag: SB-89-17_(2-4)

Collected Date/Time: 10/31/2017 12:18

Matrix: Soil

COC Reference: 108561

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 21:27	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/03/17 21:27	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 21:27	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 21:27	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 21:27	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 21:27	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 21:27	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.65

Sample Tag: SB-89-17_(4-6)

Collected Date/Time: 10/31/2017 12:20

Matrix: Soil

COC Reference: 108561

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 21:49	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/03/17 21:49	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 21:49	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 21:49	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 21:49	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 21:49	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 21:49	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.66

Sample Tag: SB-89-17_(6-8)

Collected Date/Time: 10/31/2017 12:22

Matrix: Soil

COC Reference: 108561

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 22:33	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/03/17 22:33	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 22:33	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 22:33	JAN		
PCB-1248	600	ug/kg	330	SW8082A	11/03/17 22:33	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 22:33	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 22:33	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.67

Sample Tag: SB-89-17_(8-10)

Collected Date/Time: 10/31/2017 12:24

Matrix: Soil

COC Reference: 108560

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 22:44	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/03/17 22:44	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 22:44	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 22:44	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 22:44	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 22:44	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 22:44	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.68

Sample Tag: SB-89-17_(10-12)

Collected Date/Time: 10/31/2017 12:26

Matrix: Soil

COC Reference: 108560

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	68	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 22:00	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/03/17 22:00	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 22:00	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 22:00	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 22:00	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 22:00	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 22:00	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.69

Sample Tag: SB-89-17_(12-14)

Collected Date/Time: 10/31/2017 12:28

Matrix: Soil

COC Reference: 108560

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	70	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 21:38	JAN		
PCB-1242	2,200	ug/kg	330	SW8082A	11/03/17 21:38	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 21:38	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 21:38	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 21:38	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 21:38	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 21:38	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.70

Sample Tag: SB-89-17_(14-16)

Collected Date/Time: 10/31/2017 12:30

Matrix: Soil

COC Reference: 108560

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	75	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 22:11	JAN		
PCB-1242	700	ug/kg	330	SW8082A	11/03/17 22:11	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 22:11	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 22:11	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 22:11	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 22:11	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 22:11	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.71

Sample Tag: DUP-01

Collected Date/Time: 10/30/2017 00:01

Matrix: Soil

COC Reference: 108560

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	82	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	12,000	SW8082A	11/06/17 17:26	JAN		Y
PCB-1242	115,000	ug/kg	12,000	SW8082A	11/06/17 17:26	JAN		Y
PCB-1221	Not detected	ug/kg	12,000	SW8082A	11/06/17 17:26	JAN		Y
PCB-1232	Not detected	ug/kg	12,000	SW8082A	11/06/17 17:26	JAN		Y
PCB-1248	Not detected	ug/kg	12,000	SW8082A	11/06/17 17:26	JAN		Y
PCB-1254	Not detected	ug/kg	12,000	SW8082A	11/06/17 17:26	JAN		Y
PCB-1260	Not detected	ug/kg	12,000	SW8082A	11/06/17 17:26	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.72

Sample Tag: DUP-02

Collected Date/Time: 10/30/2017 00:01

Matrix: Soil

COC Reference: 108560

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	45,000	SW8082A	11/06/17 16:09	JAN		Y
PCB-1242	217,000	ug/kg	45,000	SW8082A	11/06/17 16:09	JAN		Y
PCB-1221	Not detected	ug/kg	45,000	SW8082A	11/06/17 16:09	JAN		Y
PCB-1232	Not detected	ug/kg	45,000	SW8082A	11/06/17 16:09	JAN		Y
PCB-1248	Not detected	ug/kg	45,000	SW8082A	11/06/17 16:09	JAN		Y
PCB-1254	Not detected	ug/kg	45,000	SW8082A	11/06/17 16:09	JAN		Y
PCB-1260	Not detected	ug/kg	45,000	SW8082A	11/06/17 16:09	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.73

Sample Tag: DUP-03

Collected Date/Time: 10/30/2017 00:01

Matrix: Soil

COC Reference: 108560

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	5,000	SW8082A	11/06/17 17:48	JAN		Y
PCB-1242	44,000	ug/kg	5,000	SW8082A	11/06/17 17:48	JAN		Y
PCB-1221	Not detected	ug/kg	5,000	SW8082A	11/06/17 17:48	JAN		Y
PCB-1232	Not detected	ug/kg	5,000	SW8082A	11/06/17 17:48	JAN		Y
PCB-1248	Not detected	ug/kg	5,000	SW8082A	11/06/17 17:48	JAN		Y
PCB-1254	Not detected	ug/kg	5,000	SW8082A	11/06/17 17:48	JAN		Y
PCB-1260	Not detected	ug/kg	5,000	SW8082A	11/06/17 17:48	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.74

Sample Tag: DUP-04

Collected Date/Time: 10/31/2017 00:01

Matrix: Soil

COC Reference: 108560

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/03/17 22:22	JAN		
PCB-1242	700	ug/kg	330	SW8082A	11/03/17 22:22	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/03/17 22:22	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/03/17 22:22	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/03/17 22:22	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/03/17 22:22	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/03/17 22:22	JAN		



Analytical Laboratory Report

Lab Sample ID: S84807.75

Sample Tag: DUP-05

Collected Date/Time: 10/31/2017 00:01

Matrix: Soil

COC Reference: 108560

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	32,000	SW8082A	11/06/17 21:07	JAN		Y
PCB-1242	136,000	ug/kg	32,000	SW8082A	11/06/17 21:07	JAN		Y
PCB-1221	Not detected	ug/kg	32,000	SW8082A	11/06/17 21:07	JAN		Y
PCB-1232	Not detected	ug/kg	32,000	SW8082A	11/06/17 21:07	JAN		Y
PCB-1248	Not detected	ug/kg	32,000	SW8082A	11/06/17 21:07	JAN		Y
PCB-1254	Not detected	ug/kg	32,000	SW8082A	11/06/17 21:07	JAN		Y
PCB-1260	Not detected	ug/kg	32,000	SW8082A	11/06/17 21:07	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84807.76
 Sample Tag: DUP-06
 Collected Date/Time: 10/31/2017 00:01
 Matrix: Soil
 COC Reference: 108560

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/02/17 13:22	PLB		
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Inorganics

Total Solids*	68	%	1	SM2540B	11/02/17 10:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 15:01	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 15:01	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 15:01	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 15:01	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 15:01	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 15:01	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 15:01	JAN		



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C.O.C. PAGE # 1 OF 6

108567

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **Theresa Olechiw**
 COMPANY: **Arcadis**
 ADDRESS: **28550 Cabot Drive #500**
 CITY: **Novi** STATE: **MI** ZIP CODE: **48377**
 PHONE NO.: **(810) 225-1909** FAX NO.: **P.O. NO. B0064607.2017**
 E-MAIL ADDRESS: **Theresa.Olechiw@arcadis.com** QUOTE NO.:

CONTACT NAME: **Accounts Payable** SAME
 COMPANY: **Arcadis**
 ADDRESS: **630 Plaza Drive Suite 600**
 CITY: **Highlands Ranch** STATE: **CO** ZIP CODE: **80129**
 PHONE NO.: E-MAIL ADDRESS:

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: **PNC Racer** SAMPLER(S) - PLEASE PRINT/SIGN NAME: **Severin Hessner / Chem Paul**
 TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER **5 DAYS**
 DELIVERABLES REQUIRED: STD LEVEL II LEVEL III LEVEL IV ADD OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIFE A=AIR W=WASTE

Containers & Preservatives

- Certifications
 OHIO VAP Drinking Water
 DoD NPDES
 Project Locations
 Detroit New York
 Other **Pontiac, MI**
 Special Instructions

MERIT LAB NO. FOR LAB USE ONLY	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	PCBs (8082)
	DATE	TIME											
84807.01	10-30-17	1155	SB-84-17-(0-2)	S	1	X							X
.02		1156	SB-84-17-(2-4)	S	1	X							
.03		1157	SB-84-17-(4-6)	S	1	X							
.04		1200	SB-84-17-(6-8)	S	1	X							
.05		1201	SB-84-17-(8-10)	S	1	X							
.06		1203	SB-84-17-(10-12)	S	1	X							
.07		1204	SB-84-17-(12-14)	S	1	X							
.08		1205	SB-84-17-(14-16)	S	1	X							
.09		1207	SB-84-17-(16-18)	S	1	X							
.10		1209	SB-84-17-(18-20)	S	1	X							
.11		1210	SB-84-17-(20-22)	S	1	X							
.12		1212	SB-84-17-(22-24)	S	1	X							

RELINQUISHED BY: *Severin Hessner / Arcadis* Sampler DATE: **10-31-17** TIME: **13:20**
 RECEIVED BY: *[Signature]* DATE: **10/31/17** TIME: **13:20**
 RELINQUISHED BY: *[Signature]* DATE: **10/31/17** TIME: **15:00**
 RECEIVED BY: *[Signature]* DATE: **10/31/17** TIME: **15:00**

RELINQUISHED BY: SIGNATURE/ORGANIZATION DATE TIME
 RECEIVED BY: SIGNATURE/ORGANIZATION DATE TIME
 SEAL NO. SEAL INTACT YES NO INITIALS
 SEAL NO. SEAL INTACT YES NO INITIALS
 NOTES: **4.5** TEMP. ON ARRIVAL

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



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C.O.C. PAGE # 2 OF 6

108553

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Theresa Olechiw
 COMPANY: Arcadis
 ADDRESS: 28550 Cabot Drive #500
 CITY: Novi STATE: MI ZIP CODE: 48377
 PHONE NO.: (810) 225-1909 FAX NO.: P.O. NO.: B0064607.2017
 E-MAIL ADDRESS: Theresa.Olechiw@arcadis.com QUOTE NO.:

CONTACT NAME: Accounts Payable
 COMPANY: Arcadis
 ADDRESS: 630 Plaza Drive Suite 600
 CITY: Highlands Ranch STATE: CO ZIP CODE: 80129
 PHONE NO.: E-MAIL ADDRESS:

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: PNC Racer
 SAMPLER(S) - PLEASE PRINT/SIGN NAME: Severin Pesswood / Ann Paul
 TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER: 5 DAYS
 DELIVERABLES REQUIRED: STD LEVEL II LEVEL III LEVEL IV EDD OTHER:

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	PCBs (8082)	Certifications	
	DATE	TIME												<input type="checkbox"/> OHIO VAP	<input type="checkbox"/> Drinking Water
84807.13	10-30-17	1215	SB-84-17-(24-26)	S	1	X							X	<input type="checkbox"/> DoD	<input type="checkbox"/> NPDES
.14		1315	SB-85-17-(0-2)	S	1	X								<input type="checkbox"/> Detroit	<input type="checkbox"/> New York
.15		1317	SB-85-17-(2-4)	S	1	X								<input checked="" type="checkbox"/> Other: Pontiac, MI	
.16		1320	SB-85-17-(4-6)	S	1	X									Special Instructions
.17		1322	SB-85-17-(6-8)	S	1	X									
.18		1324	SB-85-17-(8-10)	S	1	X									
.19		1326	SB-85-17-(10-12)	S	1	X									
.20		1328	SB-85-17-(12-14)	S	1	X									
.21		1330	SB-85-17-(14-16)	S	1	X									
.22		1335	SB-85-17-(16-18)	S	1	X									
.23		1336	SB-85-17-(18-20)	S	1	X									
.24		1337	SB-85-17-(20-22)	S	1	X									

RELINQUISHED BY: *Ann Paul / Arcadis* Sampler DATE: 10-31-17 TIME: 13:00
 RECEIVED BY: *[Signature]* DATE: 10/31/17 TIME: 13:00
 RELINQUISHED BY: *[Signature]* DATE: 10/31/17 TIME: 15:00
 RECEIVED BY: *[Signature]* DATE: 10/31/17 TIME: 15:00

RELINQUISHED BY: DATE: TIME:
 RECEIVED BY: DATE: TIME:
 SEAL NO. SEAL INTACT YES NO INITIALS
 SEAL NO. SEAL INTACT YES NO INITIALS
 NOTES: TEMP. ON ARRIVAL: 4.5

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



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108566

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME **Theresa Olechiw** *Colleen.Barton@arcadis.com*

COMPANY **Arcadis**

ADDRESS **28550 Cabot Drive #500**

CITY **Novi** STATE **MI** ZIP CODE **48377**

PHONE NO. **(810) 225-1909** FAX NO. **B0064607.2017**

E-MAIL ADDRESS **Theresa.Olechiw@arcadis.com** QUOTE NO.

CONTACT NAME **Accounts Payable** SAME

COMPANY **Arcadis**

ADDRESS **630 Plaza Drive Suite 600**

CITY **Highlands Ranch** STATE **CO** ZIP CODE **80129**

PHONE NO. E-MAIL ADDRESS

PROJECT NO./NAME **PNC Racer** SAMPLER(S) - PLEASE PRINT/SIGN NAME *Severin, Hosswood / Ann P.W.*

TURNAROUND TIME REQUIRED 1 DAY 2 DAYS 3 DAYS STANDARD OTHER **5 DAYS**

DELIVERABLES REQUIRED STD LEVEL II LEVEL III LEVEL IV EDD OTHER

MATRIX CODE:	GW=GROUNDWATER	WW=WASTEWATER	S=SOIL	L=LIQUID	SD=SOLID
	SL=SLUDGE	DW=DRINKING WATER	O=OIL	WP=WIPE	A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	# Containers & Preservatives
	DATE	TIME											
<i>84807 25</i>	10-30-17	1338	SB-85-17-(22-24)	S	1	X							PCBs (8082)
<i>26/27/28</i>	10-30-17	1440	SB-86-17-(0-2)	S	3	X							
<i>.29</i>		1445	SB-86-17-(2-4)	S	1	X							
<i>.30</i>		1447	SB-86-17-(4-6)	S	1	X							
<i>.31</i>		1450	SB-86-17-(6-8)	S	1	X							
<i>.32</i>		1452	SB-86-17-(8-10)	S	1	X							
<i>.33</i>		1454	SB-86-17-(10-12)	S	1	X							
<i>.34</i>		1456	SB-86-17-(12-14)	S	1	X							
<i>.35</i>		1458	SB-86-17-(14-16)	S	1	X							
<i>.36</i>		1500	SB-86-17-(16-18)	S	1	X							
<i>.37</i>		1502	SB-86-17-(18-20)	S	1	X							
<i>.38</i>		1504	SB-86-17-(20-22)	S	1	X							

Certifications

OHIO VAP Drinking Water

DoD NPDES

Project Locations

Detroit New York

Other **Pontiac, MI**

Special Instructions

RELINQUISHED BY: *Ann P.W. / Arcadis* Sampler DATE **10-31-17** TIME **13:20**

RECEIVED BY: *[Signature]* DATE **10/31/17** TIME **13:20**

RELINQUISHED BY: *[Signature]* DATE **10/31/17** TIME **15:00**

RECEIVED BY: *[Signature]* DATE **10/31/17** TIME **15:00**

RELINQUISHED BY: DATE TIME

SIGNATURE/ORGANIZATION

RECEIVED BY: DATE TIME

SIGNATURE/ORGANIZATION

SEAL NO. SEAL INTACT YES NO INITIALS

NOTES: TEMP. ON ARRIVAL **4.5**

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



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C.O.C. PAGE # 4 OF 6

108562

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Theresa Olechiw Colleen.Barton@arcadis.com

COMPANY: Arcadis

ADDRESS: 28550 Cabot Drive #500

CITY: Novi STATE: MI ZIP CODE: 48377

PHONE NO.: (810) 225-1909 FAX NO.: B0064607.2017

E-MAIL ADDRESS: Theresa.Olechiw@arcadis.com

QUOTE NO.:

CONTACT NAME: Accounts Payable SAME

COMPANY: Arcadis

ADDRESS: 630 Plaza Drive Suite 600

CITY: Highlands Ranch STATE: CO ZIP CODE: 80129

PHONE NO.:

E-MAIL ADDRESS:

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: PNC Racer SAMPLER(S) - PLEASE PRINT/SIGN NAME: Severin Hussard Paul P...

TURNAROUND TIME REQUIRED 1 DAY 2 DAYS 3 DAYS STANDARD OTHER 5 DAYS

DELIVERABLES REQUIRED STD LEVEL II LEVEL III LEVEL IV EDD OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIFE A=AIR W=WASTE

Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	PCBs (8082)
	DATE	TIME											
84807.39	10-30-17	1506	SB-86-17-(22-24)	S	1	X							X
40/41/42	10-31-17	923	SB-87-17-(0-2)	S	3	X							
.43	10-31-17	925	SB-87-17-(2-4)	S	1	X							
.44	10-31-17	927	SB-87-17-(4-6)	S	1	X							
.45	10-31-17	929	SB-87-17-(6-8)	S	1	X							
.46	10-31-17	931	SB-87-17-(8-10)	S	1	X							
.47	10-31-17	933	SB-87-17-(10-12)	S	1	X							
.48	10-31-17	935	SB-87-17-(12-14)	S	1	X							
.49	10-31-17	937	SB-87-17-(14-16)	S	1	X							
.50	10-31-17	939	SB-87-17-(16-18)	S	1	X							
.51	10-31-17	941	SB-87-17-(18-20)	S	1	X							
.52	10-31-17	943	SB-87-17-(20-22)	S	1	X							

Certifications

OHIO VAP Drinking Water

DoD NPDES

Project Locations

Detroit New York

Other Pontiac, MI

Special Instructions

RELINQUISHED BY: Severin Hussard / Arcadis Sampler DATE: 10-31-17 TIME: 17:20

RECEIVED BY: [Signature] DATE: 10/31/17 TIME: 18:20

RELINQUISHED BY: [Signature] DATE: 10/31/17 TIME: 15:00

RECEIVED BY: [Signature] DATE: 10/31/17 TIME: 15:00

RELINQUISHED BY: DATE: TIME:

RECEIVED BY: DATE: TIME:

SEAL NO. SEAL INTACT YES NO INITIALS

SEAL NO. SEAL INTACT YES NO INITIALS

NOTES: TEMP. ON ARRIVAL 4.5

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



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C.O.C. PAGE # 5 OF 6

108561

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Theresa Olechiw Colleen.Barten@arcadis.com
 COMPANY: Arcadis
 ADDRESS: 28550 Cabot Drive #500
 CITY: Novi STATE: MI ZIP CODE: 48377
 PHONE NO.: (810) 225-1909 FAX NO.: B0064607.2017
 E-MAIL ADDRESS: Theresa.Olechiw@arcadis.com QUOTE NO.:

CONTACT NAME: Accounts Payable SAME
 COMPANY: Arcadis
 ADDRESS: 630 Plaza Drive Suite 600
 CITY: Highlands Ranch STATE: CO ZIP CODE: 80129
 PHONE NO.: E-MAIL ADDRESS:

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: PNC Racer SAMPLER(S) - PLEASE PRINT/SIGN NAME: Severin, Hessewood, Keri P
 TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER 5 DAYS
 DELIVERABLES REQUIRED: STD LEVEL II LEVEL III LEVEL IV EDD OTHER

Certifications
 OHIO VAP Drinking Water
 DoD NPDES
 Project Locations
 Detroit New York
 Other Pontiac, MI
 Special Instructions

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIFE A=AIR W=WASTE

Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	PCBs (8082)	DATE		TIME	
	DATE	TIME												DATE	TIME		
84807.53	10-31-17	1032	SB-88-17-(0-2)	S	1	X							X				
.54		1034	SB-88-17-(2-4)	S	1	X											
.55		1036	SB-88-17-(4-6)	S	1	X											
.56		1038	SB-88-17-(6-8)	S	1	X											
.57		1040	SB-88-17-(8-10)	S	1	X											
.58		1042	SB-88-17-(10-12)	S	1	X											
.59		1044	SB-88-17-(12-14)	S	1	X											
.60		1046	SB-88-17-(14-16)	S	1	X											
.61/.62/.63		1216	SB-89-17-(0-2)	S	3	X											
.64		1218	SB-89-17-(2-4)	S	1	X											
.65		1220	SB-89-17-(4-6)	S	1	X											
.66		1222	SB-89-17-(6-8)	S	1	X											

RELINQUISHED BY: Renee Paul / Arcadis Sampler DATE: 10-31-17 TIME: 13:00
 RECEIVED BY: [Signature] DATE: 10/31/17 TIME: 13:20
 RELINQUISHED BY: [Signature] DATE: 10/31/17 TIME: 15:00
 RECEIVED BY: [Signature] DATE: 10/31/17 TIME: 15:00

RELINQUISHED BY: DATE: TIME:
 RECEIVED BY: DATE: TIME:
 SEAL NO. SEAL INTACT YES NO INITIALS
 SEAL NO. SEAL INTACT YES NO INITIALS
 NOTES: TEMP. ON ARRIVAL 4.5

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



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C.O.C. PAGE # 6 OF 6

108560

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Theresa Olechiw
 COMPANY: Arcadis
 ADDRESS: 28550 Cabot Drive #500
 CITY: Novi STATE: MI ZIP CODE: 48377
 PHONE NO.: (810) 225-1909 FAX NO.: B0064607.2017
 E-MAIL ADDRESS: Theresa.Olechiw@arcadis.com

CONTACT NAME: Accounts Payable SAME
 COMPANY: Arcadis
 ADDRESS: 630 Plaza Drive Suite 600
 CITY: Highlands Ranch STATE: CO ZIP CODE: 80129
 PHONE NO.: _____ E-MAIL ADDRESS: _____

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: PNC Racer SAMPLER(S) - PLEASE PRINT/SIGN NAME: Severin Passwood
 TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER 5 DAYS
 DELIVERABLES REQUIRED: STD LEVEL II LEVEL III LEVEL IV EDD OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

Containers & Preservatives: PCBs (8082)

Certifications:
 OHIO VAP Drinking Water
 DoD NPDES

Project Locations:
 Detroit New York
 Other Pontiac, MI

Special Instructions

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	PCBs (8082)
	DATE	TIME											
84807.67	10-31-17	1224	SB-89-17-(8-10)	S	1	X							X
.68	10-31-17	1226	SB-89-17-(10-12)	S	1	X							
.69	10-31-17	1228	SB-89-17-(12-14)	S	1	X							
.70	10-31-17	1230	SB-89-17-(14-16)	S	1	X							
.71	-	-	DUP-01	S	1	X							
.72	-	-	DUP-02	S	1	X							
.73	-	-	DUP-03	S	1	X							
.74	-	-	DUP-04	S	1	X							
.75	-	-	DUP-05	S	1	X							
.76	-	-	DUP-06	S	1	X							
				S		X							
				S		X							

RELINQUISHED BY: [Signature] Sampler DATE: 10-31-17 TIME: 13:20
 RECEIVED BY: [Signature] DATE: 10/31/17 TIME: 13:20
 RELINQUISHED BY: [Signature] DATE: 10/31/17 TIME: 15:00
 RECEIVED BY: [Signature] DATE: 10/31/17 TIME: 15:00

RELINQUISHED BY: _____ DATE: _____ TIME: _____
 RECEIVED BY: _____ DATE: _____ TIME: _____

SEAL NO. SEAL INTACT INITIALS
 YES NO

SEAL NO. SEAL INTACT INITIALS
 YES NO

NOTES: 45 TEMP. ON ARRIVAL _____

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



Analytical Laboratory Report

Report ID: S84877.01(01)
Generated on 11/10/2017

Report to

Attention: Theresa Olechiw
Arcadis
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Novi, MI 48377

Phone: NA FAX: 248-994-2241
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Additional Contacts: Colleen Barton

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Contacts for report questions:
John Lavery (johnlavery@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S84877.01-S84877.92
Project: PNC Racer
Collected Date: 10/31/2017 - 11/01/2017
Submitted Date/Time: 11/03/2017 08:00
Sampled by: Severin Presswood
P.O. #: B0064607.2017

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Maya Murshak
Technical Director



Analytical Laboratory 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.

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Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

Report Narrative

There is no additional narrative for this analytical report



Analytical Laboratory Report

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
Alaska CSLAP	#17-001

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



Analytical Laboratory Report

Method Summary

Method	Version
SM2540B	Standard Method 2540 B 20th Edition
SW3550C	SW 846 Method 3550C Revision 3 February 2007
SW8082A	SW 846 Method 8082A Revision 1 February 2007



Analytical Laboratory Report

Sample Summary (92 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S84877.01	SB-90-17_(0-2)	Soil	10/31/17 13:26
S84877.02	SB-90-17_(0-2) MS	Soil	10/31/17 13:26
S84877.03	SB-90-17_(0-2) MSD	Soil	10/31/17 13:26
S84877.04	SB-90-17_(2-4)	Soil	10/31/17 13:28
S84877.05	SB-90-17_(4-6)	Soil	10/31/17 13:30
S84877.06	SB-90-17_(6-8)	Soil	10/31/17 13:32
S84877.07	SB-90-17_(8-10)	Soil	10/31/17 13:34
S84877.08	SB-90-17_(10-12)	Soil	10/31/17 13:36
S84877.09	SB-90-17_(12-14)	Soil	10/31/17 13:38
S84877.10	SB-90-17_(14-16)	Soil	10/31/17 13:40
S84877.11	SB-90-17_(16-18)	Soil	10/31/17 13:42
S84877.12	SB-90-17_(18-20)	Soil	10/31/17 13:44
S84877.13	SB-90-17_(20-22)	Soil	10/31/17 13:46
S84877.14	SB-90-17_(22-24)	Soil	10/31/17 13:48
S84877.15	SB-90-17_(24-26)	Soil	10/31/17 13:50
S84877.16	SB-91-17_(0-2)	Soil	10/31/17 14:36
S84877.17	SB-91-17_(2-4)	Soil	10/31/17 14:38
S84877.18	SB-91-17_(4-6)	Soil	10/31/17 14:40
S84877.19	SB-91-17_(6-8)	Soil	10/31/17 14:42
S84877.20	SB-91-17_(8-10)	Soil	10/31/17 14:44
S84877.21	SB-91-17_(10-12)	Soil	10/31/17 14:46
S84877.22	SB-91-17_(12-14)	Soil	10/31/17 14:48
S84877.23	SB-91-17_(14-16)	Soil	10/31/17 14:50
S84877.24	SB-92-17_(0-2)	Soil	10/31/17 15:42
S84877.25	SB-92-17_(0-2) MS	Soil	10/31/17 15:42
S84877.26	SB-92-17_(0-2) MSD	Soil	10/31/17 15:42
S84877.27	SB-92-17_(2-4)	Soil	10/31/17 15:44
S84877.28	SB-92-17_(4-6)	Soil	10/31/17 15:46
S84877.29	SB-92-17_(6-8)	Soil	10/31/17 15:48
S84877.30	SB-92-17_(8-10)	Soil	10/31/17 15:50
S84877.31	SB-92-17_(10-12)	Soil	10/31/17 15:52
S84877.32	SB-92-17_(12-14)	Soil	10/31/17 15:56
S84877.33	SB-92-17_(14-16)	Soil	10/31/17 15:58
S84877.34	SB-92-17_(16-18)	Soil	10/31/17 16:00
S84877.35	SB-93-17_(0-2)	Soil	11/01/17 08:26
S84877.36	SB-93-17_(2-4)	Soil	11/01/17 08:28
S84877.37	SB-93-17_(4-6)	Soil	11/01/17 08:30
S84877.38	SB-93-17_(6-8)	Soil	11/01/17 08:32
S84877.39	SB-93-17_(8-10)	Soil	11/01/17 08:34
S84877.40	SB-93-17_(10-12)	Soil	11/01/17 08:36
S84877.41	SB-93-17_(12-14)	Soil	11/01/17 08:38
S84877.42	SB-93-17_(14-16)	Soil	11/01/17 08:40
S84877.43	SB-94-17_(0-2)	Soil	11/01/17 09:12
S84877.44	SB-94-17_(0-2) MS	Soil	11/01/17 09:12
S84877.45	SB-94-17_(0-2) MSD	Soil	11/01/17 09:12
S84877.46	SB-94-17_(2-4)	Soil	11/01/17 09:14
S84877.47	SB-94-17_(4-6)	Soil	11/01/17 09:16
S84877.48	SB-94-17_(6-8)	Soil	11/01/17 09:18
S84877.49	SB-94-17_(8-10)	Soil	11/01/17 09:20
S84877.50	SB-94-17_(10-12)	Soil	11/01/17 09:22
S84877.51	SB-94-17_(12-14)	Soil	11/01/17 09:24
S84877.52	SB-94-17_(14-16)	Soil	11/01/17 09:26
S84877.53	SB-94-17_(16-18)	Soil	11/01/17 09:28



Analytical Laboratory Report

Sample Summary (continued)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S84877.54	SB-94-17_(18-20)	Soil	11/01/17 09:30
S84877.55	SB-94-17_(20-22)	Soil	11/01/17 09:32
S84877.56	SB-94-17_(22-24)	Soil	11/01/17 09:34
S84877.57	SB-94-17_(24-26)	Soil	11/01/17 09:36
S84877.58	SB-95-17_(0-2)	Soil	11/01/17 10:00
S84877.59	SB-95-17_(2-4)	Soil	11/01/17 10:02
S84877.60	SB-95-17_(4-6)	Soil	11/01/17 10:04
S84877.61	SB-95-17_(6-8)	Soil	11/01/17 10:06
S84877.62	SB-95-17_(8-10)	Soil	11/01/17 10:08
S84877.63	SB-95-17_(10-12)	Soil	11/01/17 10:10
S84877.64	SB-95-17_(12-14)	Soil	11/01/17 10:12
S84877.65	SB-95-17_(14-16)	Soil	11/01/17 10:14
S84877.66	SB-96-17_(0-2)	Soil	11/01/17 10:46
S84877.67	SB-96-17_(0-2) MS	Soil	11/01/17 10:46
S84877.68	SB-96-17_(0-2) MSD	Soil	11/01/17 10:46
S84877.69	SB-96-17_(2-4)	Soil	11/01/17 10:48
S84877.70	SB-96-17_(4-6)	Soil	11/01/17 10:50
S84877.71	SB-96-17_(6-8)	Soil	11/01/17 10:52
S84877.72	SB-96-17_(8-10)	Soil	11/01/17 10:54
S84877.73	SB-96-17_(10-12)	Soil	11/01/17 10:56
S84877.74	SB-96-17_(12-14)	Soil	11/01/17 10:58
S84877.75	SB-96-17_(14-16)	Soil	11/01/17 11:00
S84877.76	SB-96-17_(16-18)	Soil	11/01/17 11:02
S84877.77	SB-96-17_(18-20)	Soil	11/01/17 11:04
S84877.78	SB-96-17_(20-22)	Soil	11/01/17 11:06
S84877.79	SB-96-17_(22-24)	Soil	11/01/17 11:08
S84877.80	SB-96-17_(24-26)	Soil	11/01/17 11:10
S84877.81	SB-97-17_(0-2)	Soil	11/01/17 14:16
S84877.82	SB-97-17_(2-4)	Soil	11/01/17 14:18
S84877.83	SB-97-17_(4-6)	Soil	11/01/17 14:20
S84877.84	SB-97-17_(6-8)	Soil	11/01/17 14:22
S84877.85	SB-97-17_(8-10)	Soil	11/01/17 14:24
S84877.86	SB-97-17_(10-12)	Soil	11/01/17 14:26
S84877.87	SB-97-17_(12-14)	Soil	11/01/17 14:28
S84877.88	SB-97-17_(14-16)	Soil	11/01/17 14:30
S84877.89	SB-97-17_(16-18)	Soil	11/01/17 14:32
S84877.90	SB-97-17_(18-20)	Soil	11/01/17 14:34
S84877.91	SB-97-17_(20-22)	Soil	11/01/17 14:36
S84877.92	SB-97-17_(22-24)	Soil	11/01/17 14:38



Analytical Laboratory Report

Lab Sample ID: S84877.01

Sample Tag: SB-90-17_(0-2)

Collected Date/Time: 10/31/2017 13:26

Matrix: Soil

COC Reference: 108554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/03/17 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 14:04	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 14:04	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 14:04	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 14:04	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 14:04	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 14:04	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 14:04	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.02

Sample Tag: SB-90-17_(0-2) MS

Collected Date/Time: 10/31/2017 13:26

Matrix: Soil

COC Reference: 108554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/03/17 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	40	ug/kg	330	SW8082A	11/06/17 14:16	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 14:16	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 14:16	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 14:16	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 14:16	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 14:16	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/06/17 14:16	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.03

Sample Tag: SB-90-17_(0-2) MSD

Collected Date/Time: 10/31/2017 13:26

Matrix: Soil

COC Reference: 108554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/03/17 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	40	ug/kg	330	SW8082A	11/06/17 15:01	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 15:01	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 15:01	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 15:01	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 15:01	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 15:01	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/06/17 15:01	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.04

Sample Tag: SB-90-17_(2-4)

Collected Date/Time: 10/31/2017 13:28

Matrix: Soil

COC Reference: 108554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	91	%	1	SM2540B	11/03/17 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 19:16	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 19:16	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 19:16	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 19:16	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 19:16	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 19:16	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 19:16	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.05

Sample Tag: SB-90-17_(4-6)

Collected Date/Time: 10/31/2017 13:30

Matrix: Soil

COC Reference: 108554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/03/17 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 19:27	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 19:27	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 19:27	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 19:27	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 19:27	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 19:27	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 19:27	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.06

Sample Tag: SB-90-17_(6-8)

Collected Date/Time: 10/31/2017 13:32

Matrix: Soil

COC Reference: 108554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/03/17 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 19:38	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 19:38	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 19:38	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 19:38	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 19:38	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 19:38	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 19:38	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.07

Sample Tag: SB-90-17_(8-10)

Collected Date/Time: 10/31/2017 13:34

Matrix: Soil

COC Reference: 108554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	91	%	1	SM2540B	11/03/17 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 19:49	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 19:49	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 19:49	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 19:49	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 19:49	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 19:49	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 19:49	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.08

Sample Tag: SB-90-17_(10-12)

Collected Date/Time: 10/31/2017 13:36

Matrix: Soil

COC Reference: 108554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/03/17 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 20:00	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 20:00	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 20:00	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 20:00	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 20:00	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 20:00	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 20:00	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.09

Sample Tag: SB-90-17_(12-14)

Collected Date/Time: 10/31/2017 13:38

Matrix: Soil

COC Reference: 108554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	86	%	1	SM2540B	11/03/17 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 20:11	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 20:11	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 20:11	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 20:11	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 20:11	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 20:11	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 20:11	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.10

Sample Tag: SB-90-17_(14-16)

Collected Date/Time: 10/31/2017 13:40

Matrix: Soil

COC Reference: 108554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	93	%	1	SM2540B	11/03/17 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 20:22	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 20:22	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 20:22	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 20:22	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 20:22	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 20:22	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 20:22	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.11

Sample Tag: SB-90-17_(16-18)

Collected Date/Time: 10/31/2017 13:42

Matrix: Soil

COC Reference: 108554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/03/17 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	57,000	SW8082A	11/06/17 17:59	JAN		Y
PCB-1242	Not detected	ug/kg	57,000	SW8082A	11/06/17 17:59	JAN		Y
PCB-1221	Not detected	ug/kg	57,000	SW8082A	11/06/17 17:59	JAN		Y
PCB-1232	Not detected	ug/kg	57,000	SW8082A	11/06/17 17:59	JAN		Y
PCB-1248	106,000	ug/kg	57,000	SW8082A	11/06/17 17:59	JAN		Y
PCB-1254	Not detected	ug/kg	57,000	SW8082A	11/06/17 17:59	JAN		Y
PCB-1260	Not detected	ug/kg	57,000	SW8082A	11/06/17 17:59	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.12

Sample Tag: SB-90-17_(18-20)

Collected Date/Time: 10/31/2017 13:44

Matrix: Soil

COC Reference: 108554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/03/17 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	36,000	SW8082A	11/06/17 18:10	JAN		Y
PCB-1242	Not detected	ug/kg	36,000	SW8082A	11/06/17 18:10	JAN		Y
PCB-1221	Not detected	ug/kg	36,000	SW8082A	11/06/17 18:10	JAN		Y
PCB-1232	Not detected	ug/kg	36,000	SW8082A	11/06/17 18:10	JAN		Y
PCB-1248	196,000	ug/kg	36,000	SW8082A	11/06/17 18:10	JAN		Y
PCB-1254	Not detected	ug/kg	36,000	SW8082A	11/06/17 18:10	JAN		Y
PCB-1260	Not detected	ug/kg	36,000	SW8082A	11/06/17 18:10	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.13

Sample Tag: SB-90-17_(20-22)

Collected Date/Time: 10/31/2017 13:46

Matrix: Soil

COC Reference: 108554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	11/06/17 18:21	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	11/06/17 18:21	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	11/06/17 18:21	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	11/06/17 18:21	JAN		Y
PCB-1248	27,000	ug/kg	6,000	SW8082A	11/06/17 18:21	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	11/06/17 18:21	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	11/06/17 18:21	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.14

Sample Tag: SB-90-17_(22-24)

Collected Date/Time: 10/31/2017 13:48

Matrix: Soil

COC Reference: 108554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	11/06/17 18:32	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	11/06/17 18:32	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	11/06/17 18:32	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	11/06/17 18:32	JAN		Y
PCB-1248	4,000	ug/kg	600	SW8082A	11/06/17 18:32	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	11/06/17 18:32	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	11/06/17 18:32	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.15

Sample Tag: SB-90-17_(24-26)

Collected Date/Time: 10/31/2017 13:50

Matrix: Soil

COC Reference: 108555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	17,000	SW8082A	11/06/17 18:43	JAN		Y
PCB-1242	Not detected	ug/kg	17,000	SW8082A	11/06/17 18:43	JAN		Y
PCB-1221	Not detected	ug/kg	17,000	SW8082A	11/06/17 18:43	JAN		Y
PCB-1232	Not detected	ug/kg	17,000	SW8082A	11/06/17 18:43	JAN		Y
PCB-1248	34,000	ug/kg	17,000	SW8082A	11/06/17 18:43	JAN		Y
PCB-1254	Not detected	ug/kg	17,000	SW8082A	11/06/17 18:43	JAN		Y
PCB-1260	Not detected	ug/kg	17,000	SW8082A	11/06/17 18:43	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.16

Sample Tag: SB-91-17_(0-2)

Collected Date/Time: 10/31/2017 14:36

Matrix: Soil

COC Reference: 108555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 20:33	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 20:33	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 20:33	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 20:33	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 20:33	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 20:33	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 20:33	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.17

Sample Tag: SB-91-17_(2-4)

Collected Date/Time: 10/31/2017 14:38

Matrix: Soil

COC Reference: 108555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	92	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 20:44	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 20:44	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 20:44	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 20:44	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 20:44	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 20:44	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 20:44	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.18

Sample Tag: SB-91-17_(4-6)

Collected Date/Time: 10/31/2017 14:40

Matrix: Soil

COC Reference: 108555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 20:55	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 20:55	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 20:55	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 20:55	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 20:55	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 20:55	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 20:55	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.19

Sample Tag: SB-91-17_(6-8)

Collected Date/Time: 10/31/2017 14:42

Matrix: Soil

COC Reference: 108555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 18:39	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 18:39	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 18:39	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 18:39	JAN		
PCB-1248	3,000	ug/kg	330	SW8082A	11/07/17 18:39	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 18:39	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 18:39	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.20

Sample Tag: SB-91-17_(8-10)

Collected Date/Time: 10/31/2017 14:44

Matrix: Soil

COC Reference: 108555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	94	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 18:54	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 18:54	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 18:54	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 18:54	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 18:54	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 18:54	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 18:54	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.21

Sample Tag: SB-91-17_(10-12)

Collected Date/Time: 10/31/2017 14:46

Matrix: Soil

COC Reference: 108555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	79	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 19:05	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 19:05	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 19:05	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 19:05	JAN		
PCB-1248	600	ug/kg	330	SW8082A	11/07/17 19:05	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 19:05	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 19:05	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.22

Sample Tag: SB-91-17_(12-14)

Collected Date/Time: 10/31/2017 14:48

Matrix: Soil

COC Reference: 108555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	83	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 19:16	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 19:16	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 19:16	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 19:16	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 19:16	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 19:16	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 19:16	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.23

Sample Tag: SB-91-17_(14-16)

Collected Date/Time: 10/31/2017 14:50

Matrix: Soil

COC Reference: 108555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	93	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 21:29	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 21:29	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 21:29	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 21:29	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 21:29	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 21:29	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 21:29	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.24

Sample Tag: SB-92-17_(0-2)

Collected Date/Time: 10/31/2017 15:42

Matrix: Soil

COC Reference: 108555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 15:35	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 15:35	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 15:35	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 15:35	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 15:35	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 15:35	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 15:35	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.25

Sample Tag: SB-92-17_(0-2) MS

Collected Date/Time: 10/31/2017 15:42

Matrix: Soil

COC Reference: 108555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	86	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	40	ug/kg	330	SW8082A	11/08/17 15:50	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 15:50	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 15:50	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 15:50	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 15:50	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 15:50	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/08/17 15:50	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.26

Sample Tag: SB-92-17_(0-2) MSD

Collected Date/Time: 10/31/2017 15:42

Matrix: Soil

COC Reference: 108555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	40	ug/kg	330	SW8082A	11/08/17 16:02	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 16:02	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 16:02	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 16:02	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 16:02	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 16:02	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/08/17 16:02	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.27

Sample Tag: SB-92-17_(2-4)

Collected Date/Time: 10/31/2017 15:44

Matrix: Soil

COC Reference: 108555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 21:18	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 21:18	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 21:18	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 21:18	JAN		
PCB-1248	800	ug/kg	330	SW8082A	11/06/17 21:18	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 21:18	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 21:18	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.28

Sample Tag: SB-92-17_(4-6)

Collected Date/Time: 10/31/2017 15:46

Matrix: Soil

COC Reference: 108555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 19:27	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 19:27	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 19:27	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 19:27	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 19:27	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 19:27	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 19:27	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.29

Sample Tag: SB-92-17_(6-8)

Collected Date/Time: 10/31/2017 15:48

Matrix: Soil

COC Reference: 108577

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 19:38	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 19:38	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 19:38	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 19:38	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 19:38	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 19:38	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 19:38	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.30

Sample Tag: SB-92-17_(8-10)

Collected Date/Time: 10/31/2017 15:50

Matrix: Soil

COC Reference: 108577

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	82	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 19:49	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 19:49	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 19:49	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 19:49	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 19:49	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 19:49	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 19:49	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.31

Sample Tag: SB-92-17_(10-12)

Collected Date/Time: 10/31/2017 15:52

Matrix: Soil

COC Reference: 108577

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	90	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 21:40	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 21:40	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 21:40	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 21:40	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 21:40	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 21:40	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 21:40	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.32

Sample Tag: SB-92-17_(12-14)

Collected Date/Time: 10/31/2017 15:56

Matrix: Soil

COC Reference: 108577

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	93	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/06/17 21:51	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/06/17 21:51	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/06/17 21:51	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/06/17 21:51	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/06/17 21:51	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/06/17 21:51	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/06/17 21:51	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.33

Sample Tag: SB-92-17_(14-16)

Collected Date/Time: 10/31/2017 15:58

Matrix: Soil

COC Reference: 108577

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 20:00	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 20:00	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 20:00	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 20:00	JAN		
PCB-1248	400	ug/kg	330	SW8082A	11/07/17 20:00	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 20:00	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 20:00	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.34

Sample Tag: SB-92-17_(16-18)

Collected Date/Time: 10/31/2017 16:00

Matrix: Soil

COC Reference: 108577

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/06/17 14:02	MJS		
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Inorganics

Total Solids*	86	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	23,000	SW8082A	11/07/17 18:24	JAN		Y
PCB-1242	Not detected	ug/kg	23,000	SW8082A	11/07/17 18:24	JAN		Y
PCB-1221	Not detected	ug/kg	23,000	SW8082A	11/07/17 18:24	JAN		Y
PCB-1232	Not detected	ug/kg	23,000	SW8082A	11/07/17 18:24	JAN		Y
PCB-1248	140,000	ug/kg	23,000	SW8082A	11/07/17 18:24	JAN		Y
PCB-1254	Not detected	ug/kg	23,000	SW8082A	11/07/17 18:24	JAN		Y
PCB-1260	Not detected	ug/kg	23,000	SW8082A	11/07/17 18:24	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.35

Sample Tag: SB-93-17_(0-2)

Collected Date/Time: 11/01/2017 08:26

Matrix: Soil

COC Reference: 108577

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	86	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 20:58	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 20:58	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 20:58	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 20:58	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 20:58	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 20:58	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 20:58	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.36
 Sample Tag: SB-93-17_(2-4)
 Collected Date/Time: 11/01/2017 08:28
 Matrix: Soil
 COC Reference: 108577

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 21:09	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 21:09	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 21:09	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 21:09	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 21:09	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 21:09	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 21:09	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.37

Sample Tag: SB-93-17_(4-6)

Collected Date/Time: 11/01/2017 08:30

Matrix: Soil

COC Reference: 108577

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	83	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 21:20	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 21:20	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 21:20	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 21:20	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 21:20	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 21:20	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 21:20	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.38

Sample Tag: SB-93-17_(6-8)

Collected Date/Time: 11/01/2017 08:32

Matrix: Soil

COC Reference: 108577

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 21:42	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 21:42	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 21:42	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 21:42	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 21:42	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 21:42	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 21:42	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.39

Sample Tag: SB-93-17_(8-10)

Collected Date/Time: 11/01/2017 08:34

Matrix: Soil

COC Reference: 108577

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	83	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 21:53	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 21:53	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 21:53	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 21:53	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 21:53	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 21:53	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 21:53	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.40

Sample Tag: SB-93-17_(10-12)

Collected Date/Time: 11/01/2017 08:36

Matrix: Soil

COC Reference: 108577

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	77	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 22:04	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 22:04	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 22:04	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 22:04	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 22:04	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 22:04	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 22:04	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.41

Sample Tag: SB-93-17_(12-14)

Collected Date/Time: 11/01/2017 08:38

Matrix: Soil

COC Reference: 108576

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	80	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 22:15	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 22:15	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 22:15	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 22:15	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 22:15	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 22:15	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 22:15	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.42

Sample Tag: SB-93-17_(14-16)

Collected Date/Time: 11/01/2017 08:40

Matrix: Soil

COC Reference: 108576

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	94	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 22:26	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 22:26	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 22:26	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 22:26	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 22:26	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 22:26	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 22:26	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.43

Sample Tag: SB-94-17_(0-2)

Collected Date/Time: 11/01/2017 09:12

Matrix: Soil

COC Reference: 108576

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 16:47	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 16:47	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 16:47	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 16:47	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 16:47	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 16:47	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 16:47	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.44

Sample Tag: SB-94-17_(0-2) MS

Collected Date/Time: 11/01/2017 09:12

Matrix: Soil

COC Reference: 108576

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	40	ug/kg	330	SW8082A	11/07/17 16:59	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 16:59	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 16:59	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 16:59	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 16:59	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 16:59	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/07/17 16:59	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.45

Sample Tag: SB-94-17_(0-2) MSD

Collected Date/Time: 11/01/2017 09:12

Matrix: Soil

COC Reference: 108576

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	40	ug/kg	330	SW8082A	11/07/17 17:18	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 17:18	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 17:18	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 17:18	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 17:18	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 17:18	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/07/17 17:18	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.46

Sample Tag: SB-94-17_(2-4)

Collected Date/Time: 11/01/2017 09:14

Matrix: Soil

COC Reference: 108576

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	90	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	11/07/17 22:48	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	11/07/17 22:48	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	11/07/17 22:48	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	11/07/17 22:48	JAN		Y
PCB-1248	5,000	ug/kg	600	SW8082A	11/07/17 22:48	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	11/07/17 22:48	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	11/07/17 22:48	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.47

Sample Tag: SB-94-17_(4-6)

Collected Date/Time: 11/01/2017 09:16

Matrix: Soil

COC Reference: 108576

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	11/07/17 22:59	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	11/07/17 22:59	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	11/07/17 22:59	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	11/07/17 22:59	JAN		Y
PCB-1248	3,000	ug/kg	600	SW8082A	11/07/17 22:59	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	11/07/17 22:59	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	11/07/17 22:59	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.48

Sample Tag: SB-94-17_(6-8)

Collected Date/Time: 11/01/2017 09:18

Matrix: Soil

COC Reference: 108576

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	11/07/17 22:37	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	11/07/17 22:37	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	11/07/17 22:37	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	11/07/17 22:37	JAN		Y
PCB-1248	20,000	ug/kg	6,000	SW8082A	11/07/17 22:37	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	11/07/17 22:37	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	11/07/17 22:37	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.49

Sample Tag: SB-94-17_(8-10)

Collected Date/Time: 11/01/2017 09:20

Matrix: Soil

COC Reference: 108576

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	65	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	2,000	SW8082A	11/08/17 17:08	JAN		Y
PCB-1242	Not detected	ug/kg	2,000	SW8082A	11/08/17 17:08	JAN		Y
PCB-1221	Not detected	ug/kg	2,000	SW8082A	11/08/17 17:08	JAN		Y
PCB-1232	Not detected	ug/kg	2,000	SW8082A	11/08/17 17:08	JAN		Y
PCB-1248	10,000	ug/kg	2,000	SW8082A	11/08/17 17:08	JAN		Y
PCB-1254	Not detected	ug/kg	2,000	SW8082A	11/08/17 17:08	JAN		Y
PCB-1260	Not detected	ug/kg	2,000	SW8082A	11/08/17 17:08	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.50

Sample Tag: SB-94-17_(10-12)

Collected Date/Time: 11/01/2017 09:22

Matrix: Soil

COC Reference: 108576

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	75	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/07/17 23:33	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/07/17 23:33	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/07/17 23:33	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/07/17 23:33	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/07/17 23:33	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/07/17 23:33	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/07/17 23:33	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.51

Sample Tag: SB-94-17_(12-14)

Collected Date/Time: 11/01/2017 09:24

Matrix: Soil

COC Reference: 108576

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	79	%	1	SM2540B	11/03/17 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	3,000	SW8082A	11/08/17 16:57	JAN		Y
PCB-1242	Not detected	ug/kg	3,000	SW8082A	11/08/17 16:57	JAN		Y
PCB-1221	Not detected	ug/kg	3,000	SW8082A	11/08/17 16:57	JAN		Y
PCB-1232	Not detected	ug/kg	3,000	SW8082A	11/08/17 16:57	JAN		Y
PCB-1248	16,000	ug/kg	3,000	SW8082A	11/08/17 16:57	JAN		Y
PCB-1254	Not detected	ug/kg	3,000	SW8082A	11/08/17 16:57	JAN		Y
PCB-1260	Not detected	ug/kg	3,000	SW8082A	11/08/17 16:57	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.52

Sample Tag: SB-94-17_(14-16)

Collected Date/Time: 11/01/2017 09:26

Matrix: Soil

COC Reference: 108576

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	80	%	1	SM2540B	11/03/17 16:10	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	11/09/17 16:32	JAN		Y
PCB-1242	Not detected	ug/kg	1,000	SW8082A	11/09/17 16:32	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	11/09/17 16:32	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	11/09/17 16:32	JAN		Y
PCB-1248	6,000	ug/kg	1,000	SW8082A	11/09/17 16:32	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	11/09/17 16:32	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	11/09/17 16:32	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.53

Sample Tag: SB-94-17_(16-18)

Collected Date/Time: 11/01/2017 09:28

Matrix: Soil

COC Reference: 108576

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	80	%	1	SM2540B	11/03/17 16:10	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 20:05	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 20:05	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 20:05	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 20:05	JAN		
PCB-1248	3,000	ug/kg	330	SW8082A	11/08/17 20:05	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 20:05	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 20:05	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.54

Sample Tag: SB-94-17_(18-20)

Collected Date/Time: 11/01/2017 09:30

Matrix: Soil

COC Reference: 108576

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/03/17 16:10	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	11,000	SW8082A	11/09/17 16:43	JAN		Y
PCB-1242	Not detected	ug/kg	11,000	SW8082A	11/09/17 16:43	JAN		Y
PCB-1221	Not detected	ug/kg	11,000	SW8082A	11/09/17 16:43	JAN		Y
PCB-1232	Not detected	ug/kg	11,000	SW8082A	11/09/17 16:43	JAN		Y
PCB-1248	40,000	ug/kg	11,000	SW8082A	11/09/17 16:43	JAN		Y
PCB-1254	Not detected	ug/kg	11,000	SW8082A	11/09/17 16:43	JAN		Y
PCB-1260	Not detected	ug/kg	11,000	SW8082A	11/09/17 16:43	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.55

Sample Tag: SB-94-17_(20-22)

Collected Date/Time: 11/01/2017 09:32

Matrix: Soil

COC Reference: 108575

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	83	%	1	SM2540B	11/03/17 16:10	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 17:52	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 17:52	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 17:52	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 17:52	JAN		
PCB-1248	600	ug/kg	330	SW8082A	11/08/17 17:52	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 17:52	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 17:52	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.56

Sample Tag: SB-94-17_(22-24)

Collected Date/Time: 11/01/2017 09:34

Matrix: Soil

COC Reference: 108575

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	78	%	1	SM2540B	11/03/17 16:10	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 20:16	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 20:16	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 20:16	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 20:16	JAN		
PCB-1248	600	ug/kg	330	SW8082A	11/08/17 20:16	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 20:16	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 20:16	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.57

Sample Tag: SB-94-17_(24-26)

Collected Date/Time: 11/01/2017 09:36

Matrix: Soil

COC Reference: 108575

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	71	%	1	SM2540B	11/03/17 16:10	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 18:03	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 18:03	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 18:03	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 18:03	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 18:03	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 18:03	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 18:03	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.58

Sample Tag: SB-95-17_(0-2)

Collected Date/Time: 11/01/2017 10:00

Matrix: Soil

COC Reference: 108575

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/03/17 16:10	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 18:14	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 18:14	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 18:14	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 18:14	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 18:14	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 18:14	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 18:14	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.59

Sample Tag: SB-95-17_(2-4)

Collected Date/Time: 11/01/2017 10:02

Matrix: Soil

COC Reference: 108575

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/03/17 16:10	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 18:26	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 18:26	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 18:26	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 18:26	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 18:26	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 18:26	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 18:26	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.60

Sample Tag: SB-95-17_(4-6)

Collected Date/Time: 11/01/2017 10:04

Matrix: Soil

COC Reference: 108575

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/03/17 16:10	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 18:37	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 18:37	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 18:37	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 18:37	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 18:37	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 18:37	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 18:37	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.61

Sample Tag: SB-95-17_(6-8)

Collected Date/Time: 11/01/2017 10:06

Matrix: Soil

COC Reference: 108575

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	93	%	1	SM2540B	11/03/17 16:10	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	500	SW8082A	11/08/17 20:27	JAN		Y
PCB-1242	2,000	ug/kg	500	SW8082A	11/08/17 20:27	JAN		Y
PCB-1221	Not detected	ug/kg	500	SW8082A	11/08/17 20:27	JAN		Y
PCB-1232	Not detected	ug/kg	500	SW8082A	11/08/17 20:27	JAN		Y
PCB-1248	Not detected	ug/kg	500	SW8082A	11/08/17 20:27	JAN		Y
PCB-1254	Not detected	ug/kg	500	SW8082A	11/08/17 20:27	JAN		Y
PCB-1260	Not detected	ug/kg	500	SW8082A	11/08/17 20:27	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.62

Sample Tag: SB-95-17_(8-10)

Collected Date/Time: 11/01/2017 10:08

Matrix: Soil

COC Reference: 108575

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	86	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	13,000	SW8082A	11/10/17 05:36	JAN		Y
PCB-1242	Not detected	ug/kg	13,000	SW8082A	11/10/17 05:36	JAN		Y
PCB-1221	Not detected	ug/kg	13,000	SW8082A	11/10/17 05:36	JAN		Y
PCB-1232	Not detected	ug/kg	13,000	SW8082A	11/10/17 05:36	JAN		Y
PCB-1248	56,000	ug/kg	13,000	SW8082A	11/10/17 05:36	JAN		Y
PCB-1254	Not detected	ug/kg	13,000	SW8082A	11/10/17 05:36	JAN		Y
PCB-1260	Not detected	ug/kg	13,000	SW8082A	11/10/17 05:36	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.63

Sample Tag: SB-95-17_(10-12)

Collected Date/Time: 11/01/2017 10:10

Matrix: Soil

COC Reference: 108575

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	80	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	38,000	SW8082A	11/09/17 18:59	JAN		Y
PCB-1242	Not detected	ug/kg	38,000	SW8082A	11/09/17 18:59	JAN		Y
PCB-1221	Not detected	ug/kg	38,000	SW8082A	11/09/17 18:59	JAN		Y
PCB-1232	Not detected	ug/kg	38,000	SW8082A	11/09/17 18:59	JAN		Y
PCB-1248	137,000	ug/kg	38,000	SW8082A	11/09/17 18:59	JAN		Y
PCB-1254	Not detected	ug/kg	38,000	SW8082A	11/09/17 18:59	JAN		Y
PCB-1260	Not detected	ug/kg	38,000	SW8082A	11/09/17 18:59	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.64

Sample Tag: SB-95-17_(12-14)

Collected Date/Time: 11/01/2017 10:12

Matrix: Soil

COC Reference: 108575

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	79	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	13,000	SW8082A	11/10/17 05:47	JAN		Y
PCB-1242	Not detected	ug/kg	13,000	SW8082A	11/10/17 05:47	JAN		Y
PCB-1221	Not detected	ug/kg	13,000	SW8082A	11/10/17 05:47	JAN		Y
PCB-1232	Not detected	ug/kg	13,000	SW8082A	11/10/17 05:47	JAN		Y
PCB-1248	27,000	ug/kg	13,000	SW8082A	11/10/17 05:47	JAN		Y
PCB-1254	Not detected	ug/kg	13,000	SW8082A	11/10/17 05:47	JAN		Y
PCB-1260	Not detected	ug/kg	13,000	SW8082A	11/10/17 05:47	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.65

Sample Tag: SB-95-17_(14-16)

Collected Date/Time: 11/01/2017 10:14

Matrix: Soil

COC Reference: 108575

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	75	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	7,000	SW8082A	11/10/17 14:40	JAN		Y
PCB-1242	Not detected	ug/kg	7,000	SW8082A	11/10/17 14:40	JAN		Y
PCB-1221	Not detected	ug/kg	7,000	SW8082A	11/10/17 14:40	JAN		Y
PCB-1232	Not detected	ug/kg	7,000	SW8082A	11/10/17 14:40	JAN		Y
PCB-1248	67,000	ug/kg	7,000	SW8082A	11/10/17 14:40	JAN		Y
PCB-1254	Not detected	ug/kg	7,000	SW8082A	11/10/17 14:40	JAN		Y
PCB-1260	Not detected	ug/kg	7,000	SW8082A	11/10/17 14:40	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.66

Sample Tag: SB-96-17_(0-2)

Collected Date/Time: 11/01/2017 10:46

Matrix: Soil

COC Reference: 108575

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	86	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 16:24	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 16:24	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 16:24	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 16:24	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 16:24	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 16:24	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 16:24	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.67

Sample Tag: SB-96-17_(0-2) MS

Collected Date/Time: 11/01/2017 10:46

Matrix: Soil

COC Reference: 108575

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	86	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	40	ug/kg	330	SW8082A	11/08/17 16:35	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 16:35	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 16:35	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 16:35	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 16:35	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 16:35	JAN		
PCB-1260	40	ug/kg	330	SW8082A	11/08/17 16:35	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.68

Sample Tag: SB-96-17_(0-2) MSD

Collected Date/Time: 11/01/2017 10:46

Matrix: Soil

COC Reference: 108575

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	86	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	30	ug/kg	330	SW8082A	11/08/17 16:46	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 16:46	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 16:46	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 16:46	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 16:46	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 16:46	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/08/17 16:46	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.69

Sample Tag: SB-96-17_(2-4)

Collected Date/Time: 11/01/2017 10:48

Matrix: Soil

COC Reference: 108574

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	93	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 18:48	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 18:48	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 18:48	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 18:48	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 18:48	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 18:48	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 18:48	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.70

Sample Tag: SB-96-17_(4-6)

Collected Date/Time: 11/01/2017 10:50

Matrix: Soil

COC Reference: 108574

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	92	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 18:59	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 18:59	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 18:59	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 18:59	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 18:59	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 18:59	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 18:59	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.71

Sample Tag: SB-96-17_(6-8)

Collected Date/Time: 11/01/2017 10:52

Matrix: Soil

COC Reference: 108574

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:13	MJS		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 19:10	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 19:10	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 19:10	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 19:10	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 19:10	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 19:10	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 19:10	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.72

Sample Tag: SB-96-17_(8-10)

Collected Date/Time: 11/01/2017 10:54

Matrix: Soil

COC Reference: 108574

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	12,000	SW8082A	11/08/17 22:19	JAN		Y
PCB-1242	Not detected	ug/kg	12,000	SW8082A	11/08/17 22:19	JAN		Y
PCB-1221	Not detected	ug/kg	12,000	SW8082A	11/08/17 22:19	JAN		Y
PCB-1232	Not detected	ug/kg	12,000	SW8082A	11/08/17 22:19	JAN		Y
PCB-1248	24,000	ug/kg	12,000	SW8082A	11/08/17 22:19	JAN		Y
PCB-1254	Not detected	ug/kg	12,000	SW8082A	11/08/17 22:19	JAN		Y
PCB-1260	Not detected	ug/kg	12,000	SW8082A	11/08/17 22:19	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.73

Sample Tag: SB-96-17_(10-12)

Collected Date/Time: 11/01/2017 10:56

Matrix: Soil

COC Reference: 108574

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	76	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	13,000	SW8082A	11/10/17 06:10	JAN		Y
PCB-1242	Not detected	ug/kg	13,000	SW8082A	11/10/17 06:10	JAN		Y
PCB-1221	Not detected	ug/kg	13,000	SW8082A	11/10/17 06:10	JAN		Y
PCB-1232	Not detected	ug/kg	13,000	SW8082A	11/10/17 06:10	JAN		Y
PCB-1248	38,000	ug/kg	13,000	SW8082A	11/10/17 06:10	JAN		Y
PCB-1254	Not detected	ug/kg	13,000	SW8082A	11/10/17 06:10	JAN		Y
PCB-1260	Not detected	ug/kg	13,000	SW8082A	11/10/17 06:10	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.74

Sample Tag: SB-96-17_(12-14)

Collected Date/Time: 11/01/2017 10:58

Matrix: Soil

COC Reference: 108574

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	12,000	SW8082A	11/10/17 06:21	JAN		Y
PCB-1242	Not detected	ug/kg	12,000	SW8082A	11/10/17 06:21	JAN		Y
PCB-1221	Not detected	ug/kg	12,000	SW8082A	11/10/17 06:21	JAN		Y
PCB-1232	Not detected	ug/kg	12,000	SW8082A	11/10/17 06:21	JAN		Y
PCB-1248	61,000	ug/kg	12,000	SW8082A	11/10/17 06:21	JAN		Y
PCB-1254	Not detected	ug/kg	12,000	SW8082A	11/10/17 06:21	JAN		Y
PCB-1260	Not detected	ug/kg	12,000	SW8082A	11/10/17 06:21	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.75

Sample Tag: SB-96-17_(14-16)

Collected Date/Time: 11/01/2017 11:00

Matrix: Soil

COC Reference: 108574

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	11/08/17 21:23	JAN		Y
PCB-1242	Not detected	ug/kg	1,000	SW8082A	11/08/17 21:23	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	11/08/17 21:23	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	11/08/17 21:23	JAN		Y
PCB-1248	4,000	ug/kg	1,000	SW8082A	11/08/17 21:23	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	11/08/17 21:23	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	11/08/17 21:23	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.76

Sample Tag: SB-96-17_(16-18)

Collected Date/Time: 11/01/2017 11:02

Matrix: Soil

COC Reference: 108574

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	11/08/17 21:34	JAN		Y
PCB-1242	Not detected	ug/kg	1,000	SW8082A	11/08/17 21:34	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	11/08/17 21:34	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	11/08/17 21:34	JAN		Y
PCB-1248	4,000	ug/kg	1,000	SW8082A	11/08/17 21:34	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	11/08/17 21:34	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	11/08/17 21:34	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.77

Sample Tag: SB-96-17_(18-20)

Collected Date/Time: 11/01/2017 11:04

Matrix: Soil

COC Reference: 108574

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	11/08/17 21:57	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	11/08/17 21:57	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	11/08/17 21:57	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	11/08/17 21:57	JAN		Y
PCB-1248	12,000	ug/kg	6,000	SW8082A	11/08/17 21:57	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	11/08/17 21:57	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	11/08/17 21:57	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.78

Sample Tag: SB-96-17_(20-22)

Collected Date/Time: 11/01/2017 11:06

Matrix: Soil

COC Reference: 108574

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	11/09/17 16:21	JAN		Y
PCB-1242	Not detected	ug/kg	1,000	SW8082A	11/09/17 16:21	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	11/09/17 16:21	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	11/09/17 16:21	JAN		Y
PCB-1248	7,000	ug/kg	1,000	SW8082A	11/09/17 16:21	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	11/09/17 16:21	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	11/09/17 16:21	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.79

Sample Tag: SB-96-17_(22-24)

Collected Date/Time: 11/01/2017 11:08

Matrix: Soil

COC Reference: 108574

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	95	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	11/09/17 16:10	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	11/09/17 16:10	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	11/09/17 16:10	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	11/09/17 16:10	JAN		Y
PCB-1248	3,000	ug/kg	600	SW8082A	11/09/17 16:10	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	11/09/17 16:10	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	11/09/17 16:10	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.80

Sample Tag: SB-96-17_(24-26)

Collected Date/Time: 11/01/2017 11:10

Matrix: Soil

COC Reference: 108574

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	94	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	3,000	SW8082A	11/08/17 21:46	JAN		Y
PCB-1242	Not detected	ug/kg	3,000	SW8082A	11/08/17 21:46	JAN		Y
PCB-1221	Not detected	ug/kg	3,000	SW8082A	11/08/17 21:46	JAN		Y
PCB-1232	Not detected	ug/kg	3,000	SW8082A	11/08/17 21:46	JAN		Y
PCB-1248	8,000	ug/kg	3,000	SW8082A	11/08/17 21:46	JAN		Y
PCB-1254	Not detected	ug/kg	3,000	SW8082A	11/08/17 21:46	JAN		Y
PCB-1260	Not detected	ug/kg	3,000	SW8082A	11/08/17 21:46	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.81

Sample Tag: SB-97-17_(0-2)

Collected Date/Time: 11/01/2017 14:16

Matrix: Soil

COC Reference: 108572

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 19:21	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 19:21	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 19:21	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 19:21	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 19:21	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 19:21	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 19:21	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.82

Sample Tag: SB-97-17_(2-4)

Collected Date/Time: 11/01/2017 14:18

Matrix: Soil

COC Reference: 108572

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	94	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 19:32	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 19:32	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 19:32	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 19:32	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 19:32	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 19:32	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 19:32	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.83

Sample Tag: SB-97-17_(4-6)

Collected Date/Time: 11/01/2017 14:20

Matrix: Soil

COC Reference: 108572

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	90	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 19:43	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 19:43	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 19:43	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 19:43	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 19:43	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 19:43	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 19:43	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.84

Sample Tag: SB-97-17_(6-8)

Collected Date/Time: 11/01/2017 14:22

Matrix: Soil

COC Reference: 108572

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	94	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 19:54	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 19:54	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 19:54	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 19:54	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 19:54	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 19:54	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 19:54	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.85

Sample Tag: SB-97-17_(8-10)

Collected Date/Time: 11/01/2017 14:24

Matrix: Soil

COC Reference: 108572

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	11/08/17 22:30	JAN		Y
PCB-1242	Not detected	ug/kg	1,000	SW8082A	11/08/17 22:30	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	11/08/17 22:30	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	11/08/17 22:30	JAN		Y
PCB-1248	10,000	ug/kg	1,000	SW8082A	11/08/17 22:30	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	11/08/17 22:30	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	11/08/17 22:30	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.86

Sample Tag: SB-97-17_(10-12)

Collected Date/Time: 11/01/2017 14:26

Matrix: Soil

COC Reference: 108572

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	11/08/17 22:41	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	11/08/17 22:41	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	11/08/17 22:41	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	11/08/17 22:41	JAN		Y
PCB-1248	4,000	ug/kg	600	SW8082A	11/08/17 22:41	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	11/08/17 22:41	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	11/08/17 22:41	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.87

Sample Tag: SB-97-17_(12-14)

Collected Date/Time: 11/01/2017 14:28

Matrix: Soil

COC Reference: 108572

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	81	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	11/08/17 22:52	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	11/08/17 22:52	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	11/08/17 22:52	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	11/08/17 22:52	JAN		Y
PCB-1248	Not detected	ug/kg	600	SW8082A	11/08/17 22:52	JAN		Y
PCB-1254	2,500	ug/kg	600	SW8082A	11/08/17 22:52	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	11/08/17 22:52	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84877.88

Sample Tag: SB-97-17_(14-16)

Collected Date/Time: 11/01/2017 14:30

Matrix: Soil

COC Reference: 108572

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	91	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 23:36	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 23:36	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 23:36	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 23:36	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 23:36	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 23:36	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 23:36	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.89

Sample Tag: SB-97-17_(16-18)

Collected Date/Time: 11/01/2017 14:32

Matrix: Soil

COC Reference: 108572

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	92	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 17:05	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 17:05	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 17:05	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 17:05	JAN		
PCB-1248	1,300	ug/kg	330	SW8082A	11/09/17 17:05	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 17:05	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 17:05	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.90

Sample Tag: SB-97-17_(18-20)

Collected Date/Time: 11/01/2017 14:34

Matrix: Soil

COC Reference: 108572

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 23:03	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 23:03	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 23:03	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 23:03	JAN		
PCB-1248	2,000	ug/kg	330	SW8082A	11/08/17 23:03	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 23:03	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 23:03	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.91

Sample Tag: SB-97-17_(20-22)

Collected Date/Time: 11/01/2017 14:36

Matrix: Soil

COC Reference: 108572

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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Inorganics

Total Solids*	93	%	1	SM2540B	11/04/17 10:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 23:58	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 23:58	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 23:58	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 23:58	JAN		
PCB-1248	400	ug/kg	330	SW8082A	11/08/17 23:58	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 23:58	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 23:58	JAN		



Analytical Laboratory Report

Lab Sample ID: S84877.92

Sample Tag: SB-97-17_(22-24)

Collected Date/Time: 11/01/2017 14:38

Matrix: Soil

COC Reference: 108572

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
----------	---------	-------	----	--------	---------------	------	--------	-------

Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 16:14	MJS		
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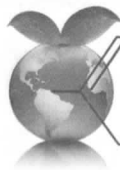
Inorganics

Total Solids*	95	%	1	SM2540B	11/04/17 10:35	JBL		
---------------	----	---	---	---------	----------------	-----	--	--

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 00:09	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 00:09	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 00:09	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 00:09	JAN		
PCB-1248	500	ug/kg	330	SW8082A	11/09/17 00:09	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 00:09	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 00:09	JAN		



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C.O.C. PAGE # 1 OF 12

108554

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Theresa Olechiw Colleen.Barton@arcadis.com

COMPANY: Arcadis

ADDRESS: 28550 Cabot Drive #500

CITY: Novi STATE: MI ZIP CODE: 48377

PHONE NO.: (810) 225-1909 FAX NO.: B0064607.2017

E-MAIL ADDRESS: Theresa.Olechiw@arcadis.com QUOTE NO.:

CONTACT NAME: Accounts Payable SAME

COMPANY: Arcadis

ADDRESS: 630 Plaza Drive Suite 600

CITY: Highlands Ranch STATE: CO ZIP CODE: 80129

PHONE NO.: E-MAIL ADDRESS:

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: PNC Racer SAMPLER(S) - PLEASE PRINT/SIGN NAME: Severin Presswood / Anni Paul

TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER 5 DAYS

DELIVERABLES REQUIRED: STD LEVEL II LEVEL III LEVEL IV EDD OTHER

Certifications

OHIO VAP Drinking Water

DoD NPDES

Project Locations

Detroit New York

Other Pontiac, MI

Special Instructions

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	PCBs (8082)							
	DATE	TIME																		
<u>81877.01/02/08</u>	<u>10-31-17</u>	<u>1326</u>	<u>SB-90-17-(0-2)</u>	<u>S</u>	<u>3</u>	<u>X</u>							<u>X</u>							
<u>.04</u>		<u>1328</u>	<u>SB-90-17-(2-4)</u>	<u>S</u>	<u>1</u>	<u>X</u>														
<u>.05</u>		<u>1330</u>	<u>SB-90-17-(4-6)</u>	<u>S</u>	<u>1</u>	<u>X</u>														
<u>.06</u>		<u>1332</u>	<u>SB-90-17-(6-8)</u>	<u>S</u>	<u>1</u>	<u>X</u>														
<u>.07</u>		<u>1334</u>	<u>SB-90-17-(8-10)</u>	<u>S</u>	<u>1</u>	<u>X</u>														
<u>.08</u>		<u>1336</u>	<u>SB-90-17-(10-12)</u>	<u>S</u>	<u>1</u>	<u>X</u>														
<u>.09</u>		<u>1338</u>	<u>SB-90-17-(12-14)</u>	<u>S</u>	<u>1</u>	<u>X</u>														
<u>.10</u>		<u>1340</u>	<u>SB-90-17-(14-16)</u>	<u>S</u>	<u>1</u>	<u>X</u>														
<u>.11</u>		<u>1342</u>	<u>SB-90-17-(16-18)</u>	<u>S</u>	<u>1</u>	<u>X</u>														
<u>.12</u>		<u>1344</u>	<u>SB-90-17-(18-20)</u>	<u>S</u>	<u>1</u>	<u>X</u>														
<u>.13</u>		<u>1346</u>	<u>SB-90-17-(20-22)</u>	<u>S</u>	<u>1</u>	<u>X</u>														
<u>.14</u>		<u>1348</u>	<u>SB-90-17-(22-24)</u>	<u>S</u>	<u>1</u>	<u>X</u>														

RELINQUISHED BY: Severin Presswood / Arcadis Sampler DATE: 11/2/17 TIME: 12:45

RECEIVED BY: [Signature] DATE: 11/2/17 TIME: 12:45

RELINQUISHED BY: [Signature] DATE: 11/2/17 TIME: 17:05

RECEIVED BY: Merit Fridge DATE: 11/2/17 TIME: 17:05

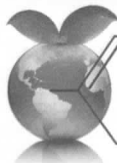
RELINQUISHED BY: Merit Fridge DATE: 11/3/17 TIME: 0800

RECEIVED BY: [Signature] DATE: 11/3/17 TIME: 0800

SEAL NO. SEAL INTACT YES NO INITIALS

NOTES: TEMP. ON ARRIVAL 3.9

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



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C.O.C. PAGE # 2 OF 12

108555

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **Theresa Olechiv**
 COMPANY: **Arcadis**
 ADDRESS: **28550 Cabot Drive #500**
 CITY: **Novi** STATE: **MI** ZIP CODE: **48377**
 PHONE NO.: **(810) 225-1909** FAX NO.:
 P.O. NO.: **B0064607.2017**
 E-MAIL ADDRESS: **Theresa.Olechiv@arcadis.com**
 QUOTE NO.:

CONTACT NAME: **Accounts Payable** SAME
 COMPANY: **Arcadis**
 ADDRESS: **630 Plaza Drive Suite 600**
 CITY: **Highlands Ranch** STATE: **CO** ZIP CODE: **80129**
 PHONE NO.: E-MAIL ADDRESS:

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: **PNC Racer** SAMPLER(S) - PLEASE PRINT/SIGN NAME: *Severin Presswood / Devin Puhl*
 TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER **5 DAYS**
 DELIVERABLES REQUIRED: STD LEVEL II LEVEL III LEVEL IV EDD OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	PCBs (8082)	Certifications	
	DATE	TIME												<input type="checkbox"/> OHIO VAP	<input type="checkbox"/> Drinking Water
84577.15	10-31-17	1350	SB-90-17-(24-26)	S	1		X						X	<input type="checkbox"/> DoD	<input type="checkbox"/> NPDES
.16		1436	SB-91-17-(0-2)	S	1		X							<input type="checkbox"/> Detroit	<input type="checkbox"/> New York
.17		1438	SB-91-17-(2-4)	S	1		X							<input checked="" type="checkbox"/> Other Pontiac, MI	
.18		1440	SB-91-17-(4-6)	S	1		X								
.19		1442	SB-91-17-(6-8)	S	1		X								
.20		1444	SB-91-17-(8-10)	S	1		X								
.21		1446	SB-91-17-(10-12)	S	1		X								
.22		1448	SB-91-17-(12-14)	S	1		X								
.23		1450	SB-91-17-(14-16)	S	1		X								
.24/25/26		1542	SB-92-17-(0-2)	S	3		X								MS/MSD
.27		1544	SB-92-17-(2-4)	S	1		X								
.28		1546	SB-92-17-(4-6)	S	1		X								

RELINQUISHED BY: *Kevin Paul Arcadio* Sampler DATE: *11/21/17* TIME: *12:45*
 RECEIVED BY: *[Signature]* DATE: *11/21/17* TIME: *12:45*
 RELINQUISHED BY: *[Signature]* DATE: *11/21/17* TIME: *1705*
 RECEIVED BY: *Merit Fridge* DATE: *11/21/17* TIME: *1705*

RELINQUISHED BY: *Merit Fridge* DATE: *11/31/17* TIME: *0800*
 RECEIVED BY: *M. Calabrese* DATE: *11/31/17* TIME: *0800*
 SEAL NO. SEAL INTACT YES NO INITIALS
 NOTES: TEMP. ON ARRIVAL **3.9**



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C.O.C. PAGE # 3 OF 12

108577

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Theresa Olechiw
COMPANY: Arcadis
ADDRESS: 28550 Cabot Drive #500
CITY: Novi
STATE: MI ZIP CODE: 48377
PHONE NO.: (810) 225-1909
E-MAIL ADDRESS: Theresa.Olechiw@arcadis.com

CONTACT NAME: Accounts Payable
COMPANY: Arcadis
ADDRESS: 630 Plaza Drive Suite 600
CITY: Highlands Ranch
STATE: CO ZIP CODE: 80129

PROJECT NO./NAME: PNC Racer
TURNAROUND TIME REQUIRED: 5 DAYS
DELIVERABLES REQUIRED: X EDD

MATRIX CODE: GW=GROUNDWATER, WW=WASTEWATER, S=SOIL, L=LIQUID, SD=SOLID, SL=SLUDGE, DW=DRINKING WATER, O=OIL, WP=WIPE, A=AIR, W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Table with columns: MERIT LAB NO., YEAR (DATE, TIME), SAMPLE TAG IDENTIFICATION-DESCRIPTION, MATRIX, # OF BOTTLES, and various chemical analysis columns (NONE, HCl, HNO3, H2SO4, NaOH, MeOH, OTHER).

Table for analysis results with columns for various chemical tests and a vertical label 'PCBs (8082)' with a handwritten 'X'.

Certifications: OHIO VAP, Drinking Water, DoD, NPDES
Project Locations: Detroit, New York, Other: Pontiac, MI
Special Instructions

RELINQUISHED BY: Arcadis (Signature: Kevin Paul)
RECEIVED BY: Merit Fridge (Signature: M. Chloate)
DATE/TIME: 11/2/17 1705

RELINQUISHED BY: Merit Fridge (Signature: M. Chloate)
RECEIVED BY: Arcadis (Signature: M. Chloate)
DATE/TIME: 11/3/17 0800
SEAL STATUS: YES/NO
TEMP. ON ARRIVAL: 3.9

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



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C.O.C. PAGE # 4 OF 12

108576

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Theresa Olechiv Colleen.Barton@arcadis.com
 COMPANY: Arcadis
 ADDRESS: 28550 Cabot Drive #500
 CITY: Novi STATE: MI ZIP CODE: 48377
 PHONE NO.: (810) 225-1909 FAX NO.: B0064607.2017
 E-MAIL ADDRESS: Theresa.Olechiv@arcadis.com QUOTE NO.:

CONTACT NAME: Accounts Payable SAME
 COMPANY: Arcadis
 ADDRESS: 630 Plaza Drive Suite 600
 CITY: Highlands Ranch STATE: CO ZIP CODE: 80129
 PHONE NO.: E-MAIL ADDRESS:

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: PNC Racer SAMPLER(S) - PLEASE PRINT/SIGN NAME: Severin Presswood / Arci Paul
 TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER 5 DAYS
 DELIVERABLES REQUIRED: STD LEVEL II LEVEL III LEVEL IV EDD OTHER

Certifications
 OHIO VAP Drinking Water
 DoD NPDES
 Project Locations
 Detroit New York
 Other Pontiac, MI
 Special Instructions

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

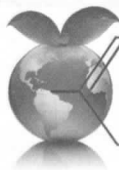
Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	PCBs (8082)
	DATE	TIME											
84877.41	11-01-17	838	SB-93-17-(12-14)	S	1	X							X
42		840	SB-93-17-(14-16)	S	1	X							
43/44/45		912	SB-94-17-(0-2)	S	3	X							
46		914	SB-94-17-(2-4)	S		X							
47		916	SB-94-17-(4-6)	S		X							
48		918	SB-94-17-(6-8)	S		X							
49		920	SB-94-17-(8-10)	S		X							
50		922	SB-94-17-(10-12)	S		X							
51		924	SB-94-17-(12-14)	S		X							
52		926	SB-94-17-(14-16)	S		X							
53		928	SB-94-17-(16-18)	S		X							
54		930	SB-94-17-(18-20)	S		X							

RELINQUISHED BY: Severin Paul / Arcadis Sampler DATE: 11/2/17 TIME: 12:45
 RECEIVED BY: JVA DATE: 11/2/17 TIME: 12:45
 RELINQUISHED BY: JVA DATE: 11/2/17 TIME: 17:05
 RECEIVED BY: Merit Fridge DATE: 11/2/17 TIME: 17:05

RELINQUISHED BY: Merit Fridge DATE: 11/3/17 TIME: 0800
 RECEIVED BY: M Calcatone DATE: 11/3/17 TIME: 0800
 SEAL NO. SEAL INTACT YES NO INITIALS
 NOTES: TEMP. ON ARRIVAL 3.9

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



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C.O.C. PAGE # 5 OF 12

108575

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: **Theresa Olechiw** *Colleen.Barton@arcadis.com*

COMPANY: **Arcadis**

ADDRESS: **28550 Cabot Drive #500**

CITY: **Novi** STATE: **MI** ZIP CODE: **48377**

PHONE NO.: **(810) 225-1909** FAX NO.: **B0064607.2017**

E-MAIL ADDRESS: **Theresa.Olechiw@arcadis.com** QUOTE NO.:

CONTACT NAME: **Accounts Payable** SAME

COMPANY: **Arcadis**

ADDRESS: **630 Plaza Drive Suite 600**

CITY: **Highlands Ranch** STATE: **CO** ZIP CODE: **80129**

PHONE NO.:

E-MAIL ADDRESS:

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: **PNC Racer** SAMPLER(S) - PLEASE PRINT/SIGN NAME: *Severin Presswood / Benji Paul*

TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER **5 DAYS**

DELIVERABLES REQUIRED: STD LEVEL II LEVEL III LEVEL IV EDD OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER
	DATE	TIME										
8-18-17 55	11-01-17	932	SB-94-17-(20-22)	S	1		X					
56		934	SB-94-17-(22-24)	S	1		X					
57		936	SB-94-17-(24-26)	S	1		X					
58		1000	SB-95-17-(0-2)	S	1		X					
59		1002	SB-95-17-(2-4)	S	1		X					
60		1004	SB-95-17-(4-6)	S	1		X					
61		1006	SB-95-17-(6-8)	S	1		X					
62		1008	SB-95-17-(8-10)	S	1		X					
63		1010	SB-95-17-(10-12)	S	1		X					
64		1012	SB-95-17-(12-14)	S	1		X					
65		1014	SB-95-17-(14-16)	S	1		X					
66/67/68		1046	SB-96-17-(0-2)	S	3		X					

PCBs (8082)

X

Certifications

OHIO VAP Drinking Water

DoD NPDES

Project Locations

Detroit New York

Other **Pontiac, MI**

Special Instructions

MS/MSD

RELINQUISHED BY: *Benji Paul / Arcadis* Sampler DATE: **11/2/17** TIME: **12:41**

RECEIVED BY: *SAAMKE* DATE: **11/2/17** TIME: **12:45**

RELINQUISHED BY: *Merit Fridge* DATE: **11/2/17** TIME: **17:05**

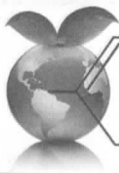
RECEIVED BY: *Merit Fridge* DATE: **11/2/17** TIME: **17:05**

RELINQUISHED BY: *Merit Fridge* DATE: **11/3/17** TIME: **0800**

RECEIVED BY: *M Chloate* DATE: **11/3/17** TIME: **0800**

SEAL NO. SEAL INTACT YES NO INITIALS

NOTES: TEMP. ON ARRIVAL **3.9**



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C.O.C. PAGE # 6 OF 12

108574

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Theresa Olechiw
 COMPANY: Arcadis
 ADDRESS: 28550 Cabot Drive #500
 CITY: Novi STATE: MI ZIP CODE: 48377
 PHONE NO.: (810) 225-1909 FAX NO.: P.O. NO.: B0064607.2017
 E-MAIL ADDRESS: Theresa.Olechiw@arcadis.com QUOTE NO.:

CONTACT NAME: Accounts Payable
 COMPANY: Arcadis
 ADDRESS: 630 Plaza Drive Suite 600
 CITY: Highlands Ranch STATE: CO ZIP CODE: 80129
 PHONE NO.: E-MAIL ADDRESS:

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: PNC Racer
 SAMPLER(S) - PLEASE PRINT/SIGN NAME: Severin Presswood
 TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER 5 DAYS
 DELIVERABLES REQUIRED: STD LEVEL II LEVEL III LEVEL IV EDD OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIFE A=AIR W=WASTE

Containers & Preservatives

PCBs (8082)

Certifications
 OHIO VAP Drinking Water
 DoD NPDES
 Project Locations
 Detroit New York
 Other Pontiac, MI
 Special Instructions

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER
	DATE	TIME										
84877.69	11-01-17	1048	SB-96-17-(2-4)	S	1	X						
70.68		1050	SB-96-17-(4-6)	S	1	X						
71.69		1052	SB-96-17-(6-8)	S	1	X						
72.70		1054	SB-96-17-(8-10)	S	1	X						
73.71		1056	SB-96-17-(10-12)	S	1	X						
74.72		1058	SB-96-17-(12-14)	S	1	X						
75.73		1100	SB-96-17-(14-16)	S	1	X						
76.74		1102	SB-96-17-(16-18)	S	1	X						
77.75		1104	SB-96-17-(18-20)	S	1	X						
78.76		1106	SB-96-17-(20-22)	S	1	X						
79.77		1108	SB-96-17-(22-24)	S	1	X						
80.78		1110	SB-96-17-(24-26)	S	1	X						

RELINQUISHED BY: [Signature] Arcadis DATE: 11/2/17 TIME: 12:4
 RECEIVED BY: [Signature] DATE: 11/2/17 TIME: 12:4
 RELINQUISHED BY: [Signature] DATE: 11/2/17 TIME: 1705
 RECEIVED BY: Merit Fridge DATE: 11/2/17 TIME: 1705

RELINQUISHED BY: Merit Fridge DATE: 11/3/17 TIME: 0800
 RECEIVED BY: [Signature] DATE: 11/3/17 TIME: 0800
 SEAL NO. SEAL INTACT YES NO INITIALS
 NOTES: TEMP. ON ARRIVAL 39

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



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C.O.C. PAGE # 7 OF 12

108572

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Theresa Olechiw
 COMPANY: Arcadis
 ADDRESS: 28550 Cabot Drive #500
 CITY: Novi STATE: MI ZIP CODE: 48377
 PHONE NO.: (810) 225-1909 FAX NO.: P.O. NO.: B0064607.2017
 E-MAIL ADDRESS: Theresa.Olechiw@arcadis.com QUOTE NO.:

CONTACT NAME: Accounts Payable
 COMPANY: Arcadis
 ADDRESS: 630 Plaza Drive Suite 600
 CITY: Highlands Ranch STATE: CO ZIP CODE: 80129
 PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: PNC Racer
 SAMPLER(S) - PLEASE PRINT/SIGN NAME: Severin Presswood
 TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER 5 DAYS
 DELIVERABLES REQUIRED: STD LEVEL II LEVEL III LEVEL IV EDD OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

MERIT LAB NO. FOR LAB USE ONLY	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	PCBs (8082)	Certifications	
	DATE	TIME												<input type="checkbox"/> OHIO VAP	<input type="checkbox"/> Drinking Water
84877	11-01-17	1416	SB-97-17-(0-2)	S	1	X							X	<input type="checkbox"/> DoD	<input type="checkbox"/> NPDES
82		1418	SB-97-17-(2-4)	S	1	X								<input type="checkbox"/> Detroit	<input type="checkbox"/> New York
83		1420	SB-97-17-(4-6)	S	1	X								<input checked="" type="checkbox"/> Other	Pontiac, MI
84		1422	SB-97-17-(6-8)	S	1	X									Special Instructions
85		1424	SB-97-17-(8-10)	S	1	X									
86		1426	SB-97-17-(10-12)	S	1	X									
87		1428	SB-97-17-(12-14)	S	1	X									
88		1430	SB-97-17-(14-16)	S	1	X									
89		1432	SB-97-17-(16-18)	S	1	X									
90		1434	SB-97-17-(18-20)	S	1	X									
91		1436	SB-97-17-(20-22)	S	1	X									
92		1438	SB-97-17-(22-24)	S	1	X									

RELINQUISHED BY: *Severin Presswood / Arcadis* Sampler DATE: 11/21/17 TIME: 12:41
 RECEIVED BY: *M. Miller* DATE: 11/21/17 TIME: 12:41
 RELINQUISHED BY: *M. Miller* DATE: 11/21/17 TIME: 11:05
 RECEIVED BY: *Merit Fridge* DATE: 11/21/17 TIME: 11:05

RELINQUISHED BY: *Merit Fridge* DATE: 11/31/17 TIME: 0800
 RECEIVED BY: *M. Miller* DATE: 11/31/17 TIME: 0800
 SEAL NO. SEAL INTACT YES NO INITIALS
 NOTES: TEMP. ON ARRIVAL 3.9

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



Analytical Laboratory Report

Report ID: S84880.01(01)
Generated on 11/10/2017

Report to

Attention: Theresa Olechiw
Arcadis
28550 Cabot Drive
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Novi, MI 48377

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Report produced by

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John Lavery (johnlavery@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S84880.01-S84880.62
Project: PNC Racer
Collected Date: 10/31/2017 - 11/01/2017
Submitted Date/Time: 11/03/2017 08:00
Sampled by: Severin Presswood
P.O. #: B0064607.2017

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Maya Murshak
Technical Director



Analytical Laboratory 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.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

Report Narrative

There is no additional narrative for this analytical report



Analytical Laboratory Report

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
Alaska CSLAP	#17-001

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



Analytical Laboratory Report

Method Summary

Method	Version
SM2540B	Standard Method 2540 B 20th Edition
SW3550C	SW 846 Method 3550C Revision 3 February 2007
SW8082A	SW 846 Method 8082A Revision 1 February 2007



Analytical Laboratory Report

Sample Summary (62 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S84880.01	SB-97-17_(24-26)	Soil	11/01/17 14:40
S84880.02	SB-98-17_(0-2)	Soil	11/01/17 15:06
S84880.03	SB-98-17_(0-2) MS	Soil	11/01/17 15:06
S84880.04	SB-98-17_(0-2) MSD	Soil	11/01/17 15:06
S84880.05	SB-98-17_(2-4)	Soil	11/01/17 15:08
S84880.06	SB-98-17_(4-6)	Soil	11/01/17 15:10
S84880.07	SB-98-17_(6-8)	Soil	11/01/17 15:12
S84880.08	SB-98-17_(8-10)	Soil	11/01/17 15:14
S84880.09	SB-98-17_(10-12)	Soil	11/01/17 15:16
S84880.10	SB-98-17_(12-14)	Soil	11/01/17 15:18
S84880.11	SB-98-17_(14-16)	Soil	11/01/17 15:20
S84880.12	SB-98-17_(16-18)	Soil	11/01/17 15:22
S84880.13	SB-98-17_(18-20)	Soil	11/01/17 15:24
S84880.14	SB-98-17_(20-22)	Soil	11/01/17 15:26
S84880.15	SB-98-17_(22-24)	Soil	11/01/17 15:28
S84880.16	SB-98-17_(24-26)	Soil	11/01/17 15:30
S84880.17	SB-99-17_(0-2)	Soil	11/01/17 15:56
S84880.18	SB-99-17_(2-4)	Soil	11/01/17 15:58
S84880.19	SB-99-17_(4-6)	Soil	11/01/17 16:00
S84880.20	SB-99-17_(6-8)	Soil	11/01/17 16:02
S84880.21	SB-99-17_(8-10)	Soil	11/01/17 16:04
S84880.22	SB-99-17_(10-12)	Soil	11/01/17 16:06
S84880.23	SB-99-17_(12-14)	Soil	11/01/17 16:08
S84880.24	SB-99-17_(14-16)	Soil	11/01/17 16:10
S84880.25	SB-100-17_(0-2)	Soil	11/01/17 16:26
S84880.26	SB-100-17_(0-2) MS	Soil	11/01/17 16:26
S84880.27	SB-100-17_(0-2) MSD	Soil	11/01/17 16:26
S84880.28	SB-100-17_(2-4)	Soil	11/01/17 16:28
S84880.29	SB-100-17_(4-6)	Soil	11/01/17 16:30
S84880.30	SB-100-17_(6-8)	Soil	11/01/17 16:32
S84880.31	SB-100-17_(8-10)	Soil	11/01/17 16:34
S84880.32	SB-100-17_(10-12)	Soil	11/01/17 16:36
S84880.33	SB-100-17_(12-14)	Soil	11/01/17 16:38
S84880.34	SB-100-17_(14-16)	Soil	11/01/17 16:40
S84880.35	SB-101-17_(0-2)	Soil	11/01/17 17:06
S84880.36	SB-101-17_(0-2) MS	Soil	11/01/17 17:06
S84880.37	SB-101-17_(0-2) MSD	Soil	11/01/17 17:06
S84880.38	SB-101-17_(2-4)	Soil	11/01/17 17:08
S84880.39	SB-101-17_(4-6)	Soil	11/01/17 17:10
S84880.40	SB-101-17_(6-8)	Soil	11/01/17 17:12
S84880.41	SB-101-17_(8-10)	Soil	11/01/17 17:14
S84880.42	SB-101-17_(10-12)	Soil	11/01/17 17:16
S84880.43	SB-101-17_(12-14)	Soil	11/01/17 17:18
S84880.44	SB-101-17_(14-16)	Soil	11/01/17 17:20
S84880.45	SB-101-17_(16-18)	Soil	11/01/17 17:22
S84880.46	SB-101-17_(18-20)	Soil	11/01/17 17:24
S84880.47	SB-101-17_(20-22)	Soil	11/01/17 17:26
S84880.48	SB-101-17_(22-24)	Soil	11/01/17 17:28
S84880.49	SB-101-17_(24-26)	Soil	11/01/17 17:30
S84880.50	DUP-07	Soil	10/31/17 00:01
S84880.51	DUP-08	Soil	10/31/17 00:01
S84880.52	DUP-09	Soil	10/31/17 00:01
S84880.53	DUP-10	Soil	11/01/17 00:01



Analytical Laboratory Report

Sample Summary (continued)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S84880.54	DUP-11	Soil	11/01/17 00:01
S84880.55	DUP-12	Soil	11/01/17 00:01
S84880.56	DUP-13	Soil	11/01/17 00:01
S84880.57	DUP-14	Soil	11/01/17 00:01
S84880.58	DUP-15	Soil	11/01/17 00:01
S84880.59	DUP-16	Soil	11/01/17 00:01
S84880.60	DUP-17	Soil	11/01/17 00:01
S84880.61	DUP-18	Soil	11/01/17 00:01
S84880.62	DUP-19	Soil	11/01/17 00:01



Analytical Laboratory Report

Lab Sample ID: S84880.01

Sample Tag: SB-97-17_(24-26)

Collected Date/Time: 11/01/2017 14:40

Matrix: Soil

COC Reference: 108571

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	96	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 16:54	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 16:54	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 16:54	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 16:54	JAN		
PCB-1248	1,200	ug/kg	330	SW8082A	11/09/17 16:54	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 16:54	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 16:54	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.02

Sample Tag: SB-98-17_(0-2)

Collected Date/Time: 11/01/2017 15:06

Matrix: Soil

COC Reference: 108571

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	86	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/08/17 17:19	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 17:19	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 17:19	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 17:19	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 17:19	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 17:19	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/08/17 17:19	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.03

Sample Tag: SB-98-17_(0-2) MS

Collected Date/Time: 11/01/2017 15:06

Matrix: Soil

COC Reference: 108571

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	40	ug/kg	330	SW8082A	11/08/17 17:30	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 17:30	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 17:30	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 17:30	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 17:30	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 17:30	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/08/17 17:30	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.04

Sample Tag: SB-98-17_(0-2) MSD

Collected Date/Time: 11/01/2017 15:06

Matrix: Soil

COC Reference: 108571

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	40	ug/kg	330	SW8082A	11/08/17 17:41	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/08/17 17:41	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/08/17 17:41	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/08/17 17:41	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/08/17 17:41	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/08/17 17:41	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/08/17 17:41	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.05

Sample Tag: SB-98-17_(2-4)

Collected Date/Time: 11/01/2017 15:08

Matrix: Soil

COC Reference: 108571

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	92	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 00:31	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 00:31	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 00:31	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 00:31	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 00:31	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 00:31	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 00:31	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.06

Sample Tag: SB-98-17_(4-6)

Collected Date/Time: 11/01/2017 15:10

Matrix: Soil

COC Reference: 108571

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 00:42	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 00:42	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 00:42	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 00:42	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 00:42	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 00:42	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 00:42	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.07

Sample Tag: SB-98-17_(6-8)

Collected Date/Time: 11/01/2017 15:12

Matrix: Soil

COC Reference: 108571

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	91	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 21:53	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 21:53	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 21:53	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 21:53	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 21:53	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 21:53	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 21:53	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.08

Sample Tag: SB-98-17_(8-10)

Collected Date/Time: 11/01/2017 15:14

Matrix: Soil

COC Reference: 108571

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	83	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	11/10/17 06:43	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	11/10/17 06:43	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	11/10/17 06:43	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	11/10/17 06:43	JAN		Y
PCB-1248	Not detected	ug/kg	6,000	SW8082A	11/10/17 06:43	JAN		Y
PCB-1254	12,000	ug/kg	6,000	SW8082A	11/10/17 06:43	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	11/10/17 06:43	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84880.09

Sample Tag: SB-98-17_(10-12)

Collected Date/Time: 11/01/2017 15:16

Matrix: Soil

COC Reference: 108571

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	11/09/17 17:40	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	11/09/17 17:40	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	11/09/17 17:40	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	11/09/17 17:40	JAN		Y
PCB-1248	3,000	ug/kg	600	SW8082A	11/09/17 17:40	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	11/09/17 17:40	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	11/09/17 17:40	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84880.10

Sample Tag: SB-98-17_(12-14)

Collected Date/Time: 11/01/2017 15:18

Matrix: Soil

COC Reference: 108571

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 03:02	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 03:02	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 03:02	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 03:02	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 03:02	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 03:02	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 03:02	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.11

Sample Tag: SB-98-17_(14-16)

Collected Date/Time: 11/01/2017 15:20

Matrix: Soil

COC Reference: 108571

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	80	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 18:31	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 18:31	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 18:31	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 18:31	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 18:31	JAN		
PCB-1254	1,000	ug/kg	330	SW8082A	11/09/17 18:31	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 18:31	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.12

Sample Tag: SB-98-17_(16-18)

Collected Date/Time: 11/01/2017 15:22

Matrix: Soil

COC Reference: 108571

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	95	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 22:04	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 22:04	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 22:04	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 22:04	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 22:04	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 22:04	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 22:04	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.13

Sample Tag: SB-98-17_(18-20)

Collected Date/Time: 11/01/2017 15:24

Matrix: Soil

COC Reference: 108571

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	97	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 03:13	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 03:13	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 03:13	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 03:13	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 03:13	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 03:13	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 03:13	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.14

Sample Tag: SB-98-17_(20-22)

Collected Date/Time: 11/01/2017 15:26

Matrix: Soil

COC Reference: 108571

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	97	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 22:15	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 22:15	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 22:15	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 22:15	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 22:15	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 22:15	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 22:15	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.15

Sample Tag: SB-98-17_(22-24)

Collected Date/Time: 11/01/2017 15:28

Matrix: Soil

COC Reference: 108569

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	97	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 22:26	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 22:26	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 22:26	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 22:26	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 22:26	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 22:26	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 22:26	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.16

Sample Tag: SB-98-17_(24-26)

Collected Date/Time: 11/01/2017 15:30

Matrix: Soil

COC Reference: 108569

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	95	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 22:37	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 22:37	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 22:37	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 22:37	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 22:37	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 22:37	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 22:37	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.17

Sample Tag: SB-99-17_(0-2)

Collected Date/Time: 11/01/2017 15:56

Matrix: Soil

COC Reference: 108569

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 22:48	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 22:48	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 22:48	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 22:48	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 22:48	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 22:48	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 22:48	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.18

Sample Tag: SB-99-17_(2-4)

Collected Date/Time: 11/01/2017 15:58

Matrix: Soil

COC Reference: 108569

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/07/17 11:02	MJS		
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Inorganics

Total Solids*	91	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 18:19	JAN		
PCB-1242	1,200	ug/kg	330	SW8082A	11/09/17 18:19	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 18:19	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 18:19	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 18:19	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 18:19	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 18:19	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.19

Sample Tag: SB-99-17_(4-6)

Collected Date/Time: 11/01/2017 16:00

Matrix: Soil

COC Reference: 108569

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	90	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 22:59	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 22:59	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 22:59	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 22:59	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 22:59	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 22:59	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 22:59	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.20

Sample Tag: SB-99-17_(6-8)

Collected Date/Time: 11/01/2017 16:02

Matrix: Soil

COC Reference: 108569

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 23:10	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 23:10	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 23:10	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 23:10	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 23:10	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 23:10	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 23:10	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.21

Sample Tag: SB-99-17_(8-10)

Collected Date/Time: 11/01/2017 16:04

Matrix: Soil

COC Reference: 108569

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	83	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	12,000	SW8082A	11/10/17 06:32	JAN		Y
PCB-1242	Not detected	ug/kg	12,000	SW8082A	11/10/17 06:32	JAN		Y
PCB-1221	Not detected	ug/kg	12,000	SW8082A	11/10/17 06:32	JAN		Y
PCB-1232	Not detected	ug/kg	12,000	SW8082A	11/10/17 06:32	JAN		Y
PCB-1248	36,000	ug/kg	12,000	SW8082A	11/10/17 06:32	JAN		Y
PCB-1254	Not detected	ug/kg	12,000	SW8082A	11/10/17 06:32	JAN		Y
PCB-1260	Not detected	ug/kg	12,000	SW8082A	11/10/17 06:32	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84880.22

Sample Tag: SB-99-17_(10-12)

Collected Date/Time: 11/01/2017 16:06

Matrix: Soil

COC Reference: 108569

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	11/10/17 05:03	JAN		Y
PCB-1242	Not detected	ug/kg	1,000	SW8082A	11/10/17 05:03	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	11/10/17 05:03	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	11/10/17 05:03	JAN		Y
PCB-1248	7,000	ug/kg	1,000	SW8082A	11/10/17 05:03	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	11/10/17 05:03	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	11/10/17 05:03	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84880.23

Sample Tag: SB-99-17_(12-14)

Collected Date/Time: 11/01/2017 16:08

Matrix: Soil

COC Reference: 108569

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	79	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	11/09/17 19:54	JAN		Y
PCB-1242	Not detected	ug/kg	1,000	SW8082A	11/09/17 19:54	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	11/09/17 19:54	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	11/09/17 19:54	JAN		Y
PCB-1248	12,000	ug/kg	1,000	SW8082A	11/09/17 19:54	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	11/09/17 19:54	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	11/09/17 19:54	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84880.24

Sample Tag: SB-99-17_(14-16)

Collected Date/Time: 11/01/2017 16:10

Matrix: Soil

COC Reference: 108569

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	75	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	7,000	SW8082A	11/09/17 19:32	JAN		Y
PCB-1242	Not detected	ug/kg	7,000	SW8082A	11/09/17 19:32	JAN		Y
PCB-1221	Not detected	ug/kg	7,000	SW8082A	11/09/17 19:32	JAN		Y
PCB-1232	Not detected	ug/kg	7,000	SW8082A	11/09/17 19:32	JAN		Y
PCB-1248	30,000	ug/kg	7,000	SW8082A	11/09/17 19:32	JAN		Y
PCB-1254	Not detected	ug/kg	7,000	SW8082A	11/09/17 19:32	JAN		Y
PCB-1260	Not detected	ug/kg	7,000	SW8082A	11/09/17 19:32	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84880.25

Sample Tag: SB-100-17_(0-2)

Collected Date/Time: 11/01/2017 16:26

Matrix: Soil

COC Reference: 108569

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 16:21	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 16:21	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 16:21	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 16:21	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 16:21	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 16:21	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 16:21	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.26

Sample Tag: SB-100-17_(0-2) MS

Collected Date/Time: 11/01/2017 16:26

Matrix: Soil

COC Reference: 108569

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	86	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	30	ug/kg	330	SW8082A	11/09/17 16:39	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 16:39	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 16:39	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 16:39	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 16:39	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 16:39	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/09/17 16:39	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.27

Sample Tag: SB-100-17_(0-2) MSD

Collected Date/Time: 11/01/2017 16:26

Matrix: Soil

COC Reference: 108569

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	30	ug/kg	330	SW8082A	11/09/17 16:52	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 16:52	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 16:52	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 16:52	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 16:52	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 16:52	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/09/17 16:52	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.28

Sample Tag: SB-100-17_(2-4)

Collected Date/Time: 11/01/2017 16:28

Matrix: Soil

COC Reference: 108569

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	90	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 23:21	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 23:21	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 23:21	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 23:21	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 23:21	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 23:21	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 23:21	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.29

Sample Tag: SB-100-17_(4-6)

Collected Date/Time: 11/01/2017 16:30

Matrix: Soil

COC Reference: 108568

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 14:53	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 14:53	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 14:53	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 14:53	JAN		
PCB-1248	1,100	ug/kg	330	SW8082A	11/10/17 14:53	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 14:53	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 14:53	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.30

Sample Tag: SB-100-17_(6-8)

Collected Date/Time: 11/01/2017 16:32

Matrix: Soil

COC Reference: 108568

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	86	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 23:55	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 23:55	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 23:55	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 23:55	JAN		
PCB-1248	1,100	ug/kg	330	SW8082A	11/09/17 23:55	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 23:55	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 23:55	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.31

Sample Tag: SB-100-17_(8-10)

Collected Date/Time: 11/01/2017 16:34

Matrix: Soil

COC Reference: 108568

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	64	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	2,000	SW8082A	11/09/17 20:07	JAN		Y
PCB-1242	Not detected	ug/kg	2,000	SW8082A	11/09/17 20:07	JAN		Y
PCB-1221	Not detected	ug/kg	2,000	SW8082A	11/09/17 20:07	JAN		Y
PCB-1232	Not detected	ug/kg	2,000	SW8082A	11/09/17 20:07	JAN		Y
PCB-1248	10,000	ug/kg	2,000	SW8082A	11/09/17 20:07	JAN		Y
PCB-1254	Not detected	ug/kg	2,000	SW8082A	11/09/17 20:07	JAN		Y
PCB-1260	Not detected	ug/kg	2,000	SW8082A	11/09/17 20:07	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84880.32

Sample Tag: SB-100-17_(10-12)

Collected Date/Time: 11/01/2017 16:36

Matrix: Soil

COC Reference: 108568

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	78	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 00:06	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 00:06	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 00:06	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 00:06	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 00:06	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 00:06	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 00:06	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.33

Sample Tag: SB-100-17_(12-14)

Collected Date/Time: 11/01/2017 16:38

Matrix: Soil

COC Reference: 108568

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	77	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 03:24	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 03:24	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 03:24	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 03:24	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 03:24	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 03:24	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 03:24	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.34

Sample Tag: SB-100-17_(14-16)

Collected Date/Time: 11/01/2017 16:40

Matrix: Soil

COC Reference: 108568

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	79	%	1	SM2540B	11/04/17 10:55	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 04:52	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 04:52	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 04:52	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 04:52	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 04:52	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 04:52	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 04:52	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.35

Sample Tag: SB-101-17_(0-2)

Collected Date/Time: 11/01/2017 17:06

Matrix: Soil

COC Reference: 108568

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 17:07	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 17:07	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 17:07	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 17:07	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 17:07	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 17:07	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 17:07	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.36

Sample Tag: SB-101-17_(0-2) MS

Collected Date/Time: 11/01/2017 17:06

Matrix: Soil

COC Reference: 108568

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	30	ug/kg	330	SW8082A	11/09/17 17:18	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 17:18	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 17:18	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 17:18	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 17:18	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 17:18	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/09/17 17:18	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.37

Sample Tag: SB-101-17_(0-2) MSD
 Collected Date/Time: 11/01/2017 17:06
 Matrix: Soil
 COC Reference: 108568

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	30	ug/kg	330	SW8082A	11/09/17 17:56	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 17:56	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 17:56	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 17:56	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 17:56	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 17:56	JAN		
PCB-1260	30	ug/kg	330	SW8082A	11/09/17 17:56	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.38

Sample Tag: SB-101-17_(2-4)

Collected Date/Time: 11/01/2017 17:08

Matrix: Soil

COC Reference: 108568

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 00:17	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 00:17	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 00:17	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 00:17	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 00:17	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 00:17	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 00:17	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.39

Sample Tag: SB-101-17_(4-6)

Collected Date/Time: 11/01/2017 17:10

Matrix: Soil

COC Reference: 108568

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	91	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 00:28	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 00:28	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 00:28	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 00:28	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 00:28	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 00:28	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 00:28	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.40

Sample Tag: SB-101-17_(6-8)

Collected Date/Time: 11/01/2017 17:12

Matrix: Soil

COC Reference: 108568

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 00:39	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 00:39	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 00:39	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 00:39	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 00:39	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 00:39	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 00:39	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.41

Sample Tag: SB-101-17_(8-10)

Collected Date/Time: 11/01/2017 17:14

Matrix: Soil

COC Reference: 108568

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	83	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	11/09/17 20:47	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	11/09/17 20:47	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	11/09/17 20:47	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	11/09/17 20:47	JAN		Y
PCB-1248	5,000	ug/kg	600	SW8082A	11/09/17 20:47	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	11/09/17 20:47	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	11/09/17 20:47	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84880.42

Sample Tag: SB-101-17_(10-12)

Collected Date/Time: 11/01/2017 17:16

Matrix: Soil

COC Reference: 108568

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	94	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 00:50	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 00:50	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 00:50	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 00:50	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 00:50	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 00:50	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 00:50	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.43

Sample Tag: SB-101-17_(12-14)

Collected Date/Time: 11/01/2017 17:18

Matrix: Soil

COC Reference: 108586

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	96	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 01:01	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 01:01	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 01:01	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 01:01	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 01:01	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 01:01	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 01:01	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.44

Sample Tag: SB-101-17_(14-16)

Collected Date/Time: 11/01/2017 17:20

Matrix: Soil

COC Reference: 108586

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	95	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 01:12	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 01:12	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 01:12	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 01:12	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 01:12	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 01:12	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 01:12	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.45

Sample Tag: SB-101-17_(16-18)

Collected Date/Time: 11/01/2017 17:22

Matrix: Soil

COC Reference: 108586

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	95	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 01:23	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 01:23	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 01:23	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 01:23	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 01:23	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 01:23	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 01:23	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.46

Sample Tag: SB-101-17_(18-20)

Collected Date/Time: 11/01/2017 17:24

Matrix: Soil

COC Reference: 108586

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	96	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 01:34	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 01:34	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 01:34	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 01:34	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 01:34	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 01:34	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 01:34	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.47

Sample Tag: SB-101-17_(20-22)

Collected Date/Time: 11/01/2017 17:26

Matrix: Soil

COC Reference: 108586

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	95	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 01:45	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 01:45	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 01:45	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 01:45	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 01:45	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 01:45	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 01:45	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.48

Sample Tag: SB-101-17_(22-24)

Collected Date/Time: 11/01/2017 17:28

Matrix: Soil

COC Reference: 108586

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	96	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 01:56	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 01:56	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 01:56	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 01:56	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 01:56	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 01:56	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 01:56	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.49

Sample Tag: SB-101-17_(24-26)

Collected Date/Time: 11/01/2017 17:30

Matrix: Soil

COC Reference: 108586

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	97	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 02:07	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 02:07	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 02:07	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 02:07	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 02:07	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 02:07	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 02:07	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.50

Sample Tag: DUP-07

Collected Date/Time: 10/31/2017 00:01

Matrix: Soil

COC Reference: 108586

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	87	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 20:58	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 20:58	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 20:58	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 20:58	JAN		
PCB-1248	4,000	ug/kg	330	SW8082A	11/09/17 20:58	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/09/17 20:58	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 20:58	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.51

Sample Tag: DUP-08

Collected Date/Time: 10/31/2017 00:01

Matrix: Soil

COC Reference: 108586

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 05:14	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 05:14	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 05:14	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 05:14	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 05:14	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 05:14	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 05:14	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.52

Sample Tag: DUP-09

Collected Date/Time: 10/31/2017 00:01

Matrix: Soil

COC Reference: 108586

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	89	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 02:18	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 02:18	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 02:18	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 02:18	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 02:18	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 02:18	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 02:18	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.53

Sample Tag: DUP-10

Collected Date/Time: 11/01/2017 00:01

Matrix: Soil

COC Reference: 108586

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	84	%	1	SM2540B	11/04/17 11:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 02:29	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 02:29	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 02:29	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 02:29	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 02:29	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 02:29	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 02:29	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.54

Sample Tag: DUP-11

Collected Date/Time: 11/01/2017 00:01

Matrix: Soil

COC Reference: 108586

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	88	%	1	SM2540B	11/07/17 09:45	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	11/10/17 07:05	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	11/10/17 07:05	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	11/10/17 07:05	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	11/10/17 07:05	JAN		Y
PCB-1248	21,000	ug/kg	6,000	SW8082A	11/10/17 07:05	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	11/10/17 07:05	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	11/10/17 07:05	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84880.55

Sample Tag: DUP-12

Collected Date/Time: 11/01/2017 00:01

Matrix: Soil

COC Reference: 108585

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	76	%	1	SM2540B	11/07/17 09:45	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	11/09/17 21:09	JAN		
PCB-1242	Not detected	ug/kg	1,000	SW8082A	11/09/17 21:09	JAN		
PCB-1221	Not detected	ug/kg	1,000	SW8082A	11/09/17 21:09	JAN		
PCB-1232	Not detected	ug/kg	1,000	SW8082A	11/09/17 21:09	JAN		
PCB-1248	9,000	ug/kg	1,000	SW8082A	11/09/17 21:09	JAN		
PCB-1254	Not detected	ug/kg	1,000	SW8082A	11/09/17 21:09	JAN		
PCB-1260	Not detected	ug/kg	1,000	SW8082A	11/09/17 21:09	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.56
 Sample Tag: DUP-13
 Collected Date/Time: 11/01/2017 00:01
 Matrix: Soil
 COC Reference: 108585

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	85	%	1	SM2540B	11/07/17 09:45	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	13,000	SW8082A	11/10/17 06:54	JAN		Y
PCB-1242	Not detected	ug/kg	13,000	SW8082A	11/10/17 06:54	JAN		Y
PCB-1221	Not detected	ug/kg	13,000	SW8082A	11/10/17 06:54	JAN		Y
PCB-1232	Not detected	ug/kg	13,000	SW8082A	11/10/17 06:54	JAN		Y
PCB-1248	39,000	ug/kg	13,000	SW8082A	11/10/17 06:54	JAN		Y
PCB-1254	Not detected	ug/kg	13,000	SW8082A	11/10/17 06:54	JAN		Y
PCB-1260	Not detected	ug/kg	13,000	SW8082A	11/10/17 06:54	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84880.57

Sample Tag: DUP-14

Collected Date/Time: 11/01/2017 00:01

Matrix: Soil

COC Reference: 108585

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	74	%	1	SM2540B	11/07/17 09:45	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 21:20	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 21:20	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 21:20	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 21:20	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 21:20	JAN		
PCB-1254	3,000	ug/kg	330	SW8082A	11/09/17 21:20	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 21:20	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.58

Sample Tag: DUP-15

Collected Date/Time: 11/01/2017 00:01

Matrix: Soil

COC Reference: 108585

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	79	%	1	SM2540B	11/07/17 09:45	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/09/17 21:31	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/09/17 21:31	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/09/17 21:31	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/09/17 21:31	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/09/17 21:31	JAN		
PCB-1254	3,000	ug/kg	330	SW8082A	11/09/17 21:31	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/09/17 21:31	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.59

Sample Tag: DUP-16

Collected Date/Time: 11/01/2017 00:01

Matrix: Soil

COC Reference: 108585

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	81	%	1	SM2540B	11/07/17 09:45	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	11/09/17 21:42	JAN		Y
PCB-1242	Not detected	ug/kg	1,000	SW8082A	11/09/17 21:42	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	11/09/17 21:42	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	11/09/17 21:42	JAN		Y
PCB-1248	6,000	ug/kg	1,000	SW8082A	11/09/17 21:42	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	11/09/17 21:42	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	11/09/17 21:42	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S84880.60

Sample Tag: DUP-17

Collected Date/Time: 11/01/2017 00:01

Matrix: Soil

COC Reference: 108585

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	78	%	1	SM2540B	11/07/17 09:45	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 05:25	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 05:25	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 05:25	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 05:25	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 05:25	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 05:25	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 05:25	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.61

Sample Tag: DUP-18

Collected Date/Time: 11/01/2017 00:01

Matrix: Soil

COC Reference: 108585

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	93	%	1	SM2540B	11/07/17 09:45	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 02:40	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 02:40	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 02:40	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 02:40	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 02:40	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 02:40	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 02:40	JAN		



Analytical Laboratory Report

Lab Sample ID: S84880.62
 Sample Tag: DUP-19
 Collected Date/Time: 11/01/2017 00:01
 Matrix: Soil
 COC Reference: 108585

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	Limits	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	11/08/17 11:02	MJS		
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Inorganics

Total Solids*	95	%	1	SM2540B	11/07/17 09:45	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	11/10/17 02:51	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	11/10/17 02:51	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	11/10/17 02:51	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	11/10/17 02:51	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	11/10/17 02:51	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	11/10/17 02:51	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	11/10/17 02:51	JAN		



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C.O.C. PAGE # 8 OF 12

108571

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Theresa Olechiv Colleen.Barton@arcadis.com
 COMPANY: Arcadis
 ADDRESS: 28550 Cabot Drive #500
 CITY: Novi STATE: MI ZIP CODE: 48377
 PHONE NO.: (810) 225-1909 FAX NO.: P.O. NO.: B0064607.2017
 E-MAIL ADDRESS: Theresa.Olechiv@arcadis.com QUOTE NO.:

CONTACT NAME: Accounts Payable SAME
 COMPANY: Arcadis
 ADDRESS: 630 Plaza Drive Suite 600
 CITY: Highlands Ranch STATE: CO ZIP CODE: 80129
 PHONE NO.: E-MAIL ADDRESS:

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: PNC Racer SAMPLER(S) - PLEASE PRINT/SIGN NAME: Severin Hesswood / Ann Ped
 TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER 5 DAYS
 DELIVERABLES REQUIRED: STD LEVEL II LEVEL III LEVEL IV EDD OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WPIPE A=AIR W=WASTE

Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	PCBs (8082)
	DATE	TIME											
8-1004-01B	11-01-17	1440	SB-97-17-(24-26)	S	1		X						X
02/03/06		1506	SB-98-17-(0-2)	S	3		X						
07		1508	SB-98-17-(2-4)	S	1		X						
08		1510	SB-98-17-(4-6)	S	1		X						
09		1512	SB-98-17-(6-8)	S	1		X						
10		1514	SB-98-17-(8-10)	S	1		X						
11		1516	SB-98-17-(10-12)	S	1		X						
12		1518	SB-98-17-(12-14)	S	1		X						
13		1520	SB-98-17-(14-16)	S	1		X						
14		1522	SB-98-17-(16-18)	S	1		X						
15		1524	SB-98-17-(18-20)	S	1		X						
16		1526	SB-98-17-(20-22)	S	1		X						

Certifications
 OHIO VAP Drinking Water
 DoD NPDES
 Project Locations
 Detroit New York
 Other Pontiac, MI
 Special Instructions

RELINQUISHED BY: Ryan Paul Arcadis Sampler DATE: 11/21/17 TIME: 12:45
 RECEIVED BY: [Signature] DATE: 11/21/17 TIME: 1:05
 RELINQUISHED BY: [Signature] DATE: 11/21/17 TIME: 1:05
 RECEIVED BY: Merit Fridge DATE: 11/21/17 TIME: 1:05

RELINQUISHED BY: Merit Fridge DATE: 11/30/17 TIME: 0800
 RECEIVED BY: M. Calcutt DATE: 11/31/17 TIME: 0800
 SEAL NO. SEAL INTACT YES NO INITIALS
 SEAL NO. SEAL INTACT YES NO INITIALS
 NOTES: TEMP. ON ARRIVAL 3.9

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



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C.O.C. PAGE # 9 OF 12

108569

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Theresa Olechiw
 COMPANY: Arcadis
 ADDRESS: 28550 Cabot Drive #500
 CITY: Novi STATE: MI ZIP CODE: 48377
 PHONE NO.: (810) 225-1909 FAX NO.: B0064607.2017
 E-MAIL ADDRESS: Theresa.Olechiw@arcadis.com

CONTACT NAME: Accounts Payable SAME
 COMPANY: Arcadis
 ADDRESS: 630 Plaza Drive Suite 600
 CITY: Highlands Ranch STATE: CO ZIP CODE: 80129
 PHONE NO.: _____ E-MAIL ADDRESS: _____

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: PNC Racer SAMPLER(S) - PLEASE PRINT/SIGN NAME: Severin Presswood / Jui Paul
 TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER 5 DAYS
 DELIVERABLES REQUIRED: STD LEVEL II LEVEL III LEVEL IV EDD OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER
	DATE	TIME										
841830 .15	11-01-17	1528	SB-98-17-(22-24)	S	1		X					
.16		1530	SB-98-17-(24-26)	S	1		X					
.17		1556	SB-99-17-(0-2)	S	1		X					
.18		1558	SB-99-17-(2-4)	S	1		X					
.19		1600	SB-99-17-(4-6)	S	1		X					
.20		1602	SB-99-17-(6-8)	S	1		X					
.21		1604	SB-99-17-(8-10)	S	1		X					
.22		1606	SB-99-17-(10-12)	S	1		X					
.23		1608	SB-99-17-(12-14)	S	1		X					
.24		1610	SB-99-17-(14-16)	S	1		X					
.25/.26/.27		1626	SB-100-17-(0-2)	S	3		X					
.28		1628	SB-100-17-(2-4)	S	1		X					

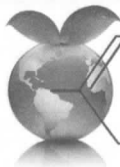
PCBs (8082)

- Certifications**
- OHIO VAP Drinking Water
 - DoD NPDES
- Project Locations**
- Detroit New York
 - Other Pontiac, MI
- Special Instructions**

MS/MSD

RELINQUISHED BY: Jui Paul / Arcadis Sampler DATE: 11/2/17 TIME: 12:45
 RECEIVED BY: [Signature] DATE: 11/2/17 TIME: 12:48
 RELINQUISHED BY: [Signature] DATE: 11/2/17 TIME: 1705
 RECEIVED BY: Merit Fridge DATE: 11/2/17 TIME: 1705

RELINQUISHED BY: Merit Fridge DATE: 11/3/17 TIME: 0800
 RECEIVED BY: M Chilcoat DATE: 11/3/17 TIME: 0800
 SEAL NO. SEAL INTACT YES NO INITIALS _____ NOTES: TEMP. ON ARRIVAL 3.9
 SEAL NO. SEAL INTACT YES NO INITIALS _____



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C.O.C. PAGE # 10 OF 12

108568

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME: Theresa Olechiw
 COMPANY: Arcadis
 ADDRESS: 28550 Cabot Drive #500
 CITY: Novi STATE: MI ZIP CODE: 48377
 PHONE NO.: (810) 225-1909 FAX NO.: P.O. NO.: B0064607.2017
 E-MAIL ADDRESS: Theresa.Olechiw@arcadis.com QUOTE NO.:

CONTACT NAME: Accounts Payable
 COMPANY: Arcadis
 ADDRESS: 630 Plaza Drive Suite 600
 CITY: Highlands Ranch STATE: CO ZIP CODE: 80129
 PHONE NO.: E-MAIL ADDRESS:

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: PNC Racer SAMPLER(S) - PLEASE PRINT/SIGN NAME: Severin Presswood / Merit Prod
 TURNAROUND TIME REQUIRED: 1 DAY 2 DAYS 3 DAYS STANDARD OTHER 5 DAYS
 DELIVERABLES REQUIRED: STD LEVEL II LEVEL III LEVEL IV ADD OTHER

Certifications
 OHIO VAP Drinking Water
 DoD NPDES
 Project Locations
 Detroit New York
 Other Pontiac, MI
 Special Instructions

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	PCBs (8082)
	DATE	TIME											
8-1800-29	11-01-17	1630	SB-100-17-(4-6)	S	1	X							X
.30		1632	SB-100-17-(6-8)	S	1	X							
.31		1634	SB-100-17-(8-10)	S	1	X							
.32		1636	SB-100-17-(10-12)	S	1	X							
.33		1638	SB-100-17-(12-14)	S	1	X							
.34		1640	SB-100-17-(14-16)	S	1	X							
.35/.36/.37		1706	SB-101-17-(0-2)	S	3	X							
.38		1708	SB-101-17-(2-4)	S	1	X							
.39		1700	SB-101-17-(4-6)	S	1	X							
.40		1712	SB-101-17-(6-8)	S	1	X							
.41		1714	SB-101-17-(8-10)	S	1	X							
.42		1716	SB-101-17-(10-12)	S	1	X							

RELINQUISHED BY: Merit Prod / Arcadis Sampler DATE: 11/2/17 TIME: 12:05
 RECEIVED BY: [Signature] DATE: 11/2/17 TIME: 12:14
 RELINQUISHED BY: [Signature] DATE: 11/2/17 TIME: 17:05
 RECEIVED BY: Merit Fridge DATE: 11/2/17 TIME: 17:05

RELINQUISHED BY: Merit Fridge DATE: 11/3/17 TIME: 08:00
 RECEIVED BY: [Signature] DATE: 11/3/17 TIME: 08:00
 SEAL NO. SEAL INTACT INITIALS NOTES: TEMP. ON ARRIVAL 3.9
 YES NO



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108586

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME **Theresa Olechiw**
 COMPANY **Arcadis**
 ADDRESS **28550 Cabot Drive #500**
 CITY **Novi** STATE **MI** ZIP CODE **48377**
 PHONE NO. **(810) 225-1909** FAX NO. P.O. NO. **B0064607.2017**
 E-MAIL ADDRESS **Theresa.Olechiw@arcadis.com** QUOTE NO.

CONTACT NAME **Accounts Payable** SAME
 COMPANY **Arcadis**
 ADDRESS **630 Plaza Drive Suite 600**
 CITY **Highlands Ranch** STATE **CO** ZIP CODE **80129**
 PHONE NO. E-MAIL ADDRESS

PROJECT NO./NAME **PNC Racer** SAMPLER(S) - PLEASE PRINT/SIGN NAME

TURNAROUND TIME REQUIRED 1 DAY 2 DAYS 3 DAYS STANDARD OTHER **5 DAYS**

DELIVERABLES REQUIRED STD LEVEL II LEVEL III LEVEL IV EDD OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER
	DATE	TIME										
43 43	11-01-17	1718	SB-101-17-(12-14)	S	1	X						
44	11-01-17	1720	SB-101-17-(14-16)	S	1	X						
45	11-01-17	1722	SB-101-17-(16-18)	S	1	X						
46	11-01-17	1724	SB-101-17-(18-20)	S	1	X						
47	11-01-17	1726	SB-101-17-(20-22)	S	1	X						
48	11-01-17	1728	SB-101-17-(22-24)	S	1	X						
49	11-01-17	1730	SB-101-17-(24-26)	S	1	X						
50	-	-	DUP-07	S	1	X						
51	-	-	DUP-08	S	1	X						
52	-	-	DUP-09	S	1	X						
53	-	-	DUP-10	S	1	X						
54	-	-	DUP-11	S	1	X						

# Containers & Preservatives		PCBs (8082)	Certifications
		X	<input type="checkbox"/> OHIO VAP <input type="checkbox"/> Drinking Water
			<input type="checkbox"/> DoD <input type="checkbox"/> NPDES
			Project Locations
			<input type="checkbox"/> Detroit <input type="checkbox"/> New York
			<input checked="" type="checkbox"/> Other Pontiac, MI
			Special Instructions

RELINQUISHED BY: *[Signature]* Arcadis Sampler DATE **11/2/17** TIME **12:45**
 RECEIVED BY: *[Signature]* DATE **11/2/17** TIME **12:45**
 RELINQUISHED BY: *[Signature]* DATE **11/2/17** TIME **1705**
 RECEIVED BY: *[Signature]* Merit Fridge DATE **11/2/17** TIME **1705**

RELINQUISHED BY: *[Signature]* Merit Fridge DATE **11/3/17** TIME **0800**
 RECEIVED BY: *[Signature]* in Calicut DATE **11/3/17** TIME **0800**
 SEAL NO. SEAL INTACT YES NO INITIALS NOTES: TEMP. ON ARRIVAL **39**

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



2680 East Lansing Dr., East Lansing, MI 48823
 Phone (517) 332-0167 Fax (517) 332-4034
 www.meritlabs.com

C.O.C. PAGE # 12 OF 12

108585

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME **Theresa Olechiv**
 COMPANY **Arcadis**
 ADDRESS **28550 Cabot Drive #500**
 CITY **Novi** STATE **MI** ZIP **48377**
 PHONE NO. **(810) 225-1908** X NO. P.O. NO. **B0064607.2017**
 E-MAIL ADDRESS **Theresa.Olechiv@arcadis.com** QUOTE NO.

CONTACT NAME **Accounts Payable** SAME
 COMPANY **Arcadis**
 ADDRESS **630 Plaza Drive Suite 600**
 CITY **Highlands Ranch** STATE **CO** ZIP CODE **80129**
 PHONE NO. E-MAIL ADDRESS

PROJECT NO./NAME **PNC Racer** SAMPLER(S) - PLEASE PRINT/SIGN NAME *Severin Presswood / Kimi Reed*
 TURNAROUND TIME REQUIRED 1 DAY 2 DAYS 3 DAYS STANDARD OTHER **5 DAYS**
 DELIVERABLES REQUIRED STD LEVEL II LEVEL III LEVEL IV EDD OTHER

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PCBs (8082)

Certifications
 OHIO VAP Drinking Water
 DoD NPDES

Project Locations
 Detroit New York
 Other **Pontiac, MI**

Special Instructions

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
 SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	PCBs (8082)
	DATE	TIME											
84800.55	-	-	DUP-12	S	1	X							X
.56	-	-	DUP-13	S	1	X							X
.57	-	-	DUP-14	S	1	X							X
.58	-	-	DUP-15	S	1	X							X
.59	-	-	DUP-16	S	1	X							X
.60	-	-	DUP-17	S	1	X							X
.61	-	-	DUP-18	S	1	X							X
.62	-	-	DUP-19	S	1	X							X
				S		X							
				S		X							
				S		X							
				S		X							

RELINQUISHED BY: *Kim Reed / Arcadis* Sampler DATE 11/21/17 TIME 0245
 RECEIVED BY: *[Signature]* DATE 11/21/17 TIME 1245
 RELINQUISHED BY: *[Signature]* DATE 11/21/17 TIME 1705
 RECEIVED BY: *Merit Fridge* DATE 11/21/17 TIME 1705

RELINQUISHED BY: *Merit Fridge* DATE 11/31/17 TIME 0800
 RECEIVED BY: *[Signature]* DATE 11/31/17 TIME 0800
 SEAL NO. SEAL INTACT YES NO INITIALS
 SEAL NO. SEAL INTACT YES NO INITIALS
 NOTES: TEMP. ON ARRIVAL 3.9

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Attachment 2

Soil Boring Logs

Date Start: 10/30/17 Date Finish: 10/30/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 26.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 25.976" N Easting: 83° 17' 32.269" W Casing Elevation: Borehole Depth (ft. bgs.): 26.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-84-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 40 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
		1	0.0-6.0	6.0	0.0	X	X	(0.0 - 2.0') CLAY, some silt, low plasticity, slow dilatancy; soft; moist; brown (10YR 5/3).		<p>Bentonite chips (1.0-26.0' bgs)</p>
					0.0	X	X	(2.0 - 4.0') SAND, very fine to very coarse; little granules to large pebbles, subrounded to subangular; poorly sorted; very dark gray (10YR 3/1).		
					0.0	X	X	(4.0 - 7.0') SILT, nonplastic, rapid dilatancy; trace very fine sand; moist; medium soft; black (10YR 2/1).		
					0.0	X	X	(7.0 - 14.0') SAND, very fine to fine; well sorted; moist; black (10YR 2/1).		
					2.3	X	X	Note: Odors and staining from 7.0-24.0' bgs.		
		2	6.0-16.0	10.0	4.1	X	X			
					9.6	X	X			
					1.5	X	X	(14.0 - 15.0') SILT, nonplastic, rapid dilatancy; and SAND, very fine; moist; soft; dark gray (10YR 4/1).		
					8.7	X	X	(15.0 - 18.0') CLAY, some silt, low plasticity, slow dilatancy; moist; medium soft; black (10YR 2/1).		
						X	X	(18.0 - 24.0') FILL, wood and brick fragments, very fine sand; black (10YR 2/1).		

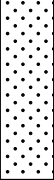


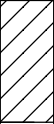
<p>ARCADIS Design & Consultancy for natural and built assets</p>	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 14.0-16.0', 16.0-18.0', 18.0-20.0', and 20.0-22.0' bgs.
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Date Start: 10/30/17 Date Finish: 10/30/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 24.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 26.155" N Easting: 83° 17' 32.327" W Casing Elevation: Borehole Depth (ft. bgs.): 24.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-85-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 40 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
		1	0.0-6.0	6.0	0.0	X	X	(0.0 - 2.5') CLAY, some silt, low plasticity, slow dilatancy; dry; medium soft; brown (10YR 5/3).		
					0.1	X	X	(2.5 - 4.5') SAND, very fine to very coarse; little granules to large pebbles, subrounded to subangular; poorly sorted; very dark grayish brown (10YR 3/2).		
5	-5				1.5	X	X	(4.5 - 7.0') FILL; concrete, wood. Note: Odors and staining from 4.5-24.0' bgs.		
					10.5	X	X	(7.0 - 15.0') FILL, wood, bricks, metal; sand; black (10YR 2/1).		
10	-10	2	6.0-16.0	10.0	43.6	X	X			
					73.2	X	X			
15	-15				12.9	X	X	(15.0 - 22.0') SAND, very fine to fine; well sorted; moist; black (10YR 2/1).		
					7.2	X	X			

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 14.0-16.0', 16.0-18.0', and 18.0-20.0' bgs. Positive shake test from 20.0-22.0' bgs.
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Date Start: 10/30/17 Date Finish: 10/30/17 Drilling Company: Cascade Driller's Name: D. Robortt, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 24.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 26.155" N Easting: 83° 17' 32.327" W Casing Elevation: Borehole Depth (ft. bgs.): 24.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-85-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 40 F
---	---	--

DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
20	-20	3	16.0-24.0	8.0	6.8	X				
					23.2	X				
					21.4	X		(22.0 - 24.0') CLAY, some silt, low plasticity, slow dilatancy; moist; soft; black (10YR 2/1). Note: Wet at 24.0' bgs.	24.0	
25	-25							End of boring at 24.0' bgs.		
30	-30									
35	-35									

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 14.0-16.0', 16.0-18.0', and 18.0-20.0' bgs. Postive shake test from 20.0-22.0' bgs.
--	--

Date Start: 10/30/17
Date Finish: 10/30/17
Drilling Company: Cascade
Driller's Name: D. Robbott, L. Cardiff, J. Kaufman
Drilling Method: Sonic
Sampling Method: 5.0'/10.0' Core barrel, Continuous
Rig Type: Sonic
Water Level Start (ft. bgs.): 24.0
Water Level Finish (ft. btoc.): NA

Northing: 42° 39' 25.870" N
Easting: 83° 17' 32.590" W
Casing Elevation:
Borehole Depth (ft. bgs.): 24.0
Surface Elevation:
Descriptions By: Severin Presswood

Well/Boring ID: SB-86-17
Client: RACER
Location: RACER PNC
Weather Conditions: Cloudy, rain, 40 F

DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
0.9		1	0.0-6.0	6.0		X	X	(0.0 - 3.0') SILT, some clay, low plasticity, rapid dilatancy; trace very fine sand; dry; medium soft; brown (10YR 5/3).		<p>Bentonite chips (1.0-24.0' bgs)</p>
1.5						X	X	(3.0 - 6.0') SAND, very fine to very coarse; little granules to large pebbles; poorly sorted; dry; black (10YR 2/1). Note: Odors and staining from 3.0-24.0' bgs.		
20.9						X	X			
46.3						X	X	(6.0 - 12.0') FILL; very fine sand; wood; brick; steel; black (10YR 2/1).		
114.7						X	X			
28.4		2	6.0-16.0	10.0		X	X	(12.0 - 16.0') CLAY, little silt, low plasticity, slow dilatancy; some very fine sand; little small pebbles; moist; soft; black (10YR 2/1).		
60.1						X	X			
48.5						X	X			
14.1						X	X	(16.0 - 20.0') FILL, bricks, sand, black (10YR 2/1).		

Remarks: bgs = below ground surface
 NA = not applicable
 NM = not measured
 Negative shake tests from 14.0-16.0', 16.0-18.0', 18.0-20.0', and 20.0-22.2' bgs.



Date Start: 10/30/17 Date Finish: 10/30/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 24.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 25.870" N Easting: 83° 17' 32.590" W Casing Elevation: Borehole Depth (ft. bgs.): 24.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-86-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, rain, 40 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
20	-20	3	16.0-24.0	8.0	26.0	X	X	(20.0 - 24.0') CLAY, high plasticity, no dilatancy; trace very fine sand; moist; soft; black (10YR 2/1).	24.0	
					12.5	X				
					12.2	X				
25	-25							Note: Wet at 24.0' bgs. End of boring at 24.0' bgs.		
30	-30									
35	-35									

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 14.0-16.0', 16.0-18.0', 18.0-20.0', and 20.0-22.2' bgs.
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Date Start: 10/31/17 Date Finish: 10/31/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 22.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 26.093" N Easting: 83° 17' 32.749" W Casing Elevation: Borehole Depth (ft. bgs.): 26.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-87-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, rain, 40 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
		1	0.0-6.0	6.0	0.0	X	X	(0.0 - 2.0') SILT, trace clay, low plasticity, slow dilatancy; dry; medium stiff; brown (10YR 5/3).		<p>Bentonite chips (1.0-26.0' bgs)</p>
					0.0	X	X	(2.0 - 4.0') SAND, very fine to fine; some silt; well sorted; dry; very dark grayish brown (10YR 3/2).		
					7.6	X	X	(4.0 - 5.5') FILL; brick fragments; sand. Note: Odors and staining from 4.5-22.0' bgs.		
5	-5				0.2	X	X	(5.5 - 9.0') SAND, very fine to fine; well sorted; dry; brown (10YR 4/3). Note: Transition to black (10YR 2/1) from 6.5-9.0' bgs.		
		2	6.0-16.0	10.0	2.5	X	X	(9.0 - 16.0') FILL, brick, wood, sand, black (10YR 2/1). Note: CLAY, high plasticity, no dilatancy; stiff, gray (10YR 5/1) from 15.0-15.5' bgs.		
					5.4	X	X			
					7.0	X	X			
					1.4	X	X			
15	-15				2.4	X	X	(16.0 - 22.0') SILT, little clay; little very fine sand; moist; soft; black (10YR 2/1). Note: Fill material present from 16.0-22.0' bgs.		
						X	X			

<p>ARCADIS Design & Consultancy for natural and built assets</p>	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 14.0-16.0', 16.0-18.0', 18.0-20.0', and 20.0-22.0' bgs.
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Date Start: 10/31/17 Date Finish: 10/31/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 16.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 26.015" N Easting: 83° 17' 32.981" W Casing Elevation: Borehole Depth (ft. bgs.): 26.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-88-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, rain, 40 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
		1	0.0-6.0	6.0	2.0	X	X	(0.0 - 2.5') SILT, trace clay, nonplastic, slow dilatancy; trace very fine sand; medium soft; brown (10YR 5/3).		<p>Bentonite chips (1.0-26.0' bgs)</p>
					0.6	X	X	(2.5 - 5.0') SAND, very fine to fine; trace silt; some granules to medium pebbles, subrounded; moist; very dark grayish brown (10YR 3/2).		
					0.5	X	X	(5.0 - 6.0') FILL; brick; sand.		
					0.5	X	X	(6.0 - 7.0') SILT, little clay; little very fine sand; little granules, subrounded; moist; soft; brown (10YR 4/3).		
					0.3	X	X	(7.0 - 10.0') FILL; brick; wood; metal; sand, black (10YR 2/1). Note: Odors and staining from 7.0-16.0' bgs.		
					0.8	X	X	(10.0 - 11.0') SAND, very fine; well sorted; dry; black (10YR 2/1).		
		2	6.0-16.0	10.0	0.8	X	X	(11.0 - 16.0') CLAY, some silt, low plasticity, slow dilatancy; moist; medium soft; very dark grayish brown (10YR 3/2). Note: Fill material from 11.0-16.0' bgs.		
					0.8	X	X			
					5.9	X	X	Note: Wet at 16.0' bgs.		
					NM		X	(16.0 - 22.0') FILL; brick fragments; wet.		

	Remarks: bgs = below ground surface NA = not applicable NM = not measured
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Date Start: 10/31/17 Date Finish: 10/31/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 16.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 26.054" N Eastings: 83° 17' 33.187" W Casing Elevation: Borehole Depth (ft. bgs.): 16.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-89-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 38 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
		1	0.0-6.0	6.0	0.0	X	X	(0.0 - 2.0') SILT, trace clay, nonplastic, slow dilatancy; little very fine to fine sand; soft; brown (10YR 4/3).		
					0.0	X	X	(2.0 - 4.5') SAND, very fine to fine; some granules to small pebbles, subrounded to subangular; little silt; moist; very dark grayish brown (10YR 3/2).		
5	-5				0.1	X	X	(4.5 - 6.0') FILL; brick fragments; very fine sand, black (10YR 2/1). Note: Odors and staining from 4.5-16.0' bgs.		
					0.0	X	X	(6.0 - 7.5') SILT, some clay, low plasticity, slow dilatancy; moist; soft; black (10YR 2/1). Note: Fill material.		
					1.5	X	X	(7.5 - 11.0') FILL, wood, brick fragment, very fine sand, moist, black (10YR 2/1).		
10	-10	2	6.0-16.0	10.0	46.0	X	X	(11.0 - 12.0') SAND, fine; well sorted; moist; black (10YR 2/1).		
					5.9	X	X	(12.0 - 16.0') CLAY, some silt, low plasticity, slow dilatancy; trace very fine sand; moist; medium soft; very dark grayish brown (10YR 3/2). Note: Fill material.		
15	-15				7.2	X	X	Note: Wet at 16.0' bgs.		
								End of boring at 16.0' bgs.		

	Remarks: bgs = below ground surface NA = not applicable NM = not measured
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Date Start: 10/31/17 Date Finish: 10/31/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 26.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 26.347" N Easting: 83° 17' 33.761" W Casing Elevation: Borehole Depth (ft. bgs.): 26.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-90-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 38 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
		1	0.0-6.0	6.0	0.1	X	X	(0.0 - 2.0') SILT, little clay, low plasticity, rapid dilatancy; little very fine sand; soft; brown (10YR 5/3).		<p>Bentonite chips (1.0-26.0' bgs)</p>
					0.8	X	X	(2.0 - 4.0') SAND, very fine to fine; some granules to small pebbles, subrounded to subangular; dry; brown (10YR 4/3).		
					0.3	X	X	(4.0 - 7.0') CLAY, and SILT, low plasticity, slow dilatancy; some granules to small pebbles, subrounded to subangular; dry; medium stiff; very dark grayish brown (10YR 3/2).		
					2.7	X	X	(7.0 - 12.0') SAND, fine; well sorted; dry; black (10YR 2/1).		
					48.1	X	X	Note: Odors and staining from 8.0-26.0' bgs.		
		2	6.0-16.0	10.0	91.0	X	X	(12.0 - 15.0') FILL, wood, brick fragment, very fine sand, black (10YR 2/1).		
					28.8	X	X			
					13.6	X	X	(15.0 - 22.0') SAND, fine; well sorted; moist; black (10YR 2/1). Note: Trace wood fragments.		
					22.0	X	X			

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 16.0-17.0', 19.0-20.0', 20.0-22.2', and 24.0-26.0' bgs.
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Date Start: 10/31/17
Date Finish: 10/31/17
Drilling Company: Cascade
Driller's Name: D. Robortt, L. Cardiff, J. Kaufman
Drilling Method: Sonic
Sampling Method: 5.0'/10.0' Core barrel, Continuous
Rig Type: Sonic
Water Level Start (ft. bgs.): 26.0
Water Level Finish (ft. btoc.): NA

Northing: 42° 39' 26.347" N
Easting: 83° 17' 33.761" W
Casing Elevation:
Borehole Depth (ft. bgs.): 26.0
Surface Elevation:
Descriptions By: Severin Presswood

Well/Boring ID: SB-90-17
Client: RACER
Location: RACER PNC
Weather Conditions: Cloudy, 38 F

DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
20	-20	3	16.0-26.0	10.0	18.9	X	X	(22.0 - 26.0') CLAY, some silt, low plasticity, slow dilatancy; some very fine sand; moist; soft; brown (10YR 5/3).	26.0	[Construction Diagram]
					X	X				
					X	X				
					X	X				
					23.9	X	[Hatched Pattern]			
25	-25				168.7	X	[Hatched Pattern]			
								Note: Wet at 26.0' bgs. End of boring at 26.0' bgs.		
30	-30									
35	-35									



Remarks: bgs = below ground surface
 NA = not applicable
 NM = not measured
 Negative shake tests from 16.0-17.0', 19.0-20.0', 20.0-22.2', and 24.0-26.0' bgs.


Date Start: 10/31/17 Date Finish: 10/31/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 16.5 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 26.122" N Easting: 83° 17' 33.904" W Casing Elevation: Borehole Depth (ft. bgs.): 26.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-91-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 40 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
		1	0.0-6.0	6.0	0.0	X	X	(0.0 - 2.5') SILT, trace clay, low plasticity, rapid dilatancy; some very fine sand; soft; brown (10YR 4/3).		<p>Bentonite chips (1.0-26.0' bgs)</p>
					0.0	X	X	(2.5 - 5.0') SAND, very fine to fine; some granules to small pebbles, subrounded to subangular; dry; brown (10YR 5/3).		
5	-5				1.0	X	X	(5.0 - 7.0') CLAY, and SILT, low plasticity, no dilatancy; some granules to large pebbles, subrounded to subangular; dry; medium stiff; very dark grayish brown (10YR 3/2).		
					4.1	X	X	(7.0 - 13.0') SAND, very fine to fine; well sorted; dry; black (10YR 2/1). Note: Odors and staining from 7.0-26.0' bgs.		
10	-10	2	6.0-16.0	10.0	35.6	X	X	(13.0 - 16.5') FILL, wood, brick fragment, very fine sand; moist; black (10YR 2/1).		
					113.3	X	X			
15	-15				31.6	X	X	Note: Wet at 16.5' bgs.		
					16.1			(16.5 - 23.0') SAND, fine; well sorted; wet; black (10YR 2/1).		

	Remarks: bgs = below ground surface NA = not applicable NM = not measured
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Date Start: 10/31/17 Date Finish: 10/31/17 Drilling Company: Cascade Driller's Name: D. Robortt, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 16.5 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 26.122" N Eastng: 83° 17' 33.904" W Casing Elevation: Borehole Depth (ft. bgs.): 26.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-91-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 40 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
20	-20	3	16.0-26.0	10.0	12.0				16.5	
	9.1									
	1.2					(23.0 - 26.0') CLAY, little silt, medium plasticity, slow dilatancy; wet; soft; brown (10YR 4/3).				
25	-25				1.2					
					1.2			End of boring at 26.0' bgs.		
30	-30									
35	-35									

	Remarks: bgs = below ground surface NA = not applicable NM = not measured
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Date Start: 10/31/17 Date Finish: 10/31/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 18.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 26.198" N Easting: 83° 17' 33.561" W Casing Elevation: Borehole Depth (ft. bgs.): 18.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-92-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 40 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
		1	0.0-6.0	6.0	0.0	X	X	(0.0 - 2.0') SILT, little clay, low plasticity, slow dilatancy; little very fine sand; dry; soft; brown (10YR 4/3).		<p>Bentonite chips (1.0-18.0' bgs)</p>
					0.3	X	X	(2.0 - 4.5') SAND, very fine to fine; and GRANULES, subrounded to subangular; some small pebbles, subrounded to subangular; dry; brown (10YR 5/3).		
5	-5				162.3	X	X	(4.5 - 7.5') CLAY, and SILT, low plasticity, slow dilatancy; some granules to medium pebbles, subrounded to subangular; dry; medium stiff; very dark grayish brown (10YR 3/2). Note: Odors and staining from 4.5-18.0' bgs.		
					1082	X	X	(7.5 - 12.0') SAND, fine; well sorted; moist; black (10YR 2/1). Note: Some wood fragments.		
					59.6	X	X	(12.0 - 16.0') FILL, wood, glass, metal, nails, trace very fine sand; moist; black (10YR 2/1).		
10	-10	2	6.0-16.0	10.0	12.0	X	X	(16.0 - 18.0') SAND, fine; well sorted; moist; black (10YR 2/1).		
					5.9	X	X	Note: Wet at 18.0' bgs.		
15	-15				3.2	X	X	End of boring at 18.0' bgs.		

<p>ARCADIS Design & Consultancy for natural and built assets</p>	Remarks: bgs = below ground surface NA = not applicable NM = not measured
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Date Start: 11/01/17 Date Finish: 11/01/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 16.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 26.113" N Easting: 83° 17' 33.724" W Casing Elevation: Borehole Depth (ft. bgs.): 16.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-93-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 35 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
0.0		1	0.0-6.0	6.0	0.0	X	X	(0.0 - 2.0') SILT, some clay, low plasticity, slow dilatancy; little very fine sand; dry; medium soft; brown (10YR 5/3).		<p>Bentonite chips (1.0-16.0' bgs)</p>
2.0					0.0	X	X	(2.0 - 5.0') SAND, very fine to fine; and GRANULES, subrounded to subangular; some small to large pebbles, subrounded to subangular; dry; brown (10YR 4/3).		
5.0	-5				0.0	X	X	(5.0 - 8.0') CLAY, some silt, low plasticity, slow dilatancy; some granules to medium pebbles, subrounded to subangular; dry; medium stiff; very dark grayish brown (10YR 3/2). Note: Odors and staining from 6.0-16.0' bgs.		
8.0					1.2	X	X	(8.0 - 12.0') SAND, fine; well sorted; moist; black (10YR 2/1). Note: Some wood fragments.		
10.0	-10	2	6.0-16.0	10.0	15.3	X	X	(12.0 - 16.0') FILL, wood, glass, metal, nails, very fine sand; black (10YR 2/1).		
15.0	-15				18.3	X	X			
					7.5	X	X	Note: Wet at 16.0' bgs.		
								Note: End of boring at 16.0' bgs.		

	Remarks: bgs = below ground surface NA = not applicable NM = not measured
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Date Start: 11/01/17 Date Finish: 11/01/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 26.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 25.300" N Eastings: 83° 17' 33.993" W Casing Elevation: Borehole Depth (ft. bgs.): 26.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-94-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 35 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
0.2		1	0.0-6.0	6.0	0.2	X	X	(0.0 - 2.0') SILT, some clay, low plasticity, slow dilatancy; little very fine to fine sand; dry; medium soft; brown (10YR 5/3).		<p>Bentonite chips (1.0-26.0' bgs)</p>
4.3					4.3	X	X	(2.0 - 6.0') SAND, very fine to fine; and GRANULES; some small to large pebbles, subrounded to subangular; dry; brown (10YR 5/3). Note: Transition to black (10YR 2/1) at 3.0' bgs. Note: Odors and staining from 2.0-26.0' bgs.		
8.6					8.6	X	X			
13.3					13.3	X	X	(6.0 - 7.0') CLAY and SILT, low plasticity, slow dilatancy; some very fine sand; moist; soft; black (10YR 2/1).		
12.3		2	6.0-16.0	10.0	12.3	X	X	(7.0 - 16.0') FILL, metal, brick, very fine sand; granules to large pebbles; moist; black (10YR 2/1).		
12.5					12.5	X	X			
43.6					43.6	X	X			
52.8					52.8	X	X	(16.0 - 24.0') SAND, very fine to fine; well sorted; moist; black (10YR 2/1). Note: Trace wood fragments.		

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 6.0-8.0', 12.0-14.0', and 25.0-26.0' bgs.
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Date Start: 11/01/17
Date Finish: 11/01/17
Drilling Company: Cascade
Driller's Name: D. Robortt, L. Cardiff, J. Kaufman
Drilling Method: Sonic
Sampling Method: 5.0'/10.0' Core barrel, Continuous
Rig Type: Sonic
Water Level Start (ft. bgs.): 26.0
Water Level Finish (ft. btoc.): NA

Northing: 42° 39' 25.300" N
Easting: 83° 17' 33.993" W
Casing Elevation:
Borehole Depth (ft. bgs.): 26.0
Surface Elevation:
Descriptions By: Severin Presswood

Well/Boring ID: SB-94-17
Client: RACER
Location: RACER PNC
Weather Conditions: Cloudy, 35 F

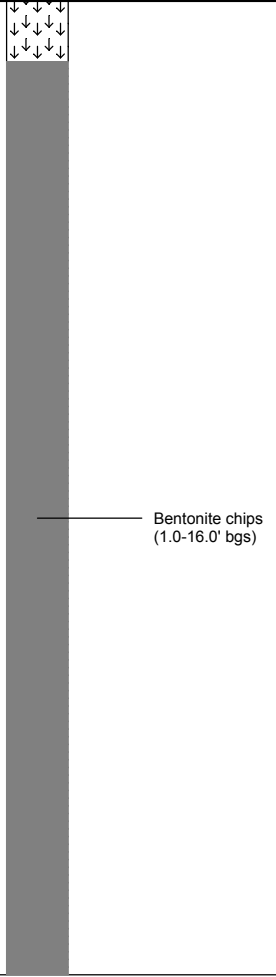
DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
20 -20		3	16.0-26.0	10.0	87.6	X	X			
					23.4	X	X			
					11.6	X	X			
25 -25					8.1	X	X	(24.0 - 26.0') CLAY, little silt, high plasticity, slow dilatancy; little very fine sand; moist; soft; very dark grayish brown (10YR 3/2).		
								Note: Wet at 26.0' bgs. End of boring at 26.0' bgs.		
30 -30										
35 -35										




Remarks: bgs = below ground surface
 NA = not applicable
 NM = not measured
 Negative shake tests from 6.0-8.0', 12.0-14.0', and 25.0-26.0' bgs.

Date Start: 11/01/17 Date Finish: 11/01/17 Drilling Company: Cascade Driller's Name: D. Robortt, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 16.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 25.397" N Easting: 83° 17' 34.309" W Casing Elevation: Borehole Depth (ft. bgs.): 16.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-95-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 40 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0							(0.0 - 2.0') SILT, some clay, low plasticity, slow dilatancy; some very fine to medium sand; dry; medium soft; brown (10YR 4/3).		
		1	0.0-6.0	6.0	0.3	X		(2.0 - 7.0') SAND, very fine to fine; some granules to medium pebbles, subrounded to subangular; little silt; dry; very dark grayish brown (10YR 3/2).		
5	-5				0.1	X		Note: Odors and staining from 6.0-16.0' bgs.		
					1.0	X		(7.0 - 16.0') SAND, very fine to fine; well sorted; moist; black (10YR 2/1).		
					40.1	X				
10	-10	2	6.0-16.0	10.0	63.7	X				
					478.1	X				
					695.3	X				
15	-15							Note: Wet at 16.0' bgs.		
								End of boring at 16.0' bgs.		



	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 6.0-8.0', and 12.0-14.0' bgs.
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Date Start: 11/01/17 Date Finish: 11/01/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 26.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 25.033" N Easting: 83° 17' 34.025" W Casing Elevation: Borehole Depth (ft. bgs.): 26.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-96-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 40 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
0.2						X	X	(0.0 - 2.5') SILT, trace clay, low plasticity, rapid dilatancy; some very fine to fine sand; dry; medium soft; brown (10YR 4/3).		<p>Bentonite chips (1.0-26.0' bgs)</p>
1.7		1	0.0-6.0	6.0		X	X	(2.5 - 5.0') SAND, very fine to fine; and GRANULES; some small to large pebbles, subrounded to subangular; dry; very dark grayish brown (10YR 3/2).		
17.2						X	X	Note: Odors and staining from 4.0-26.0' bgs.		
18.1						X	X	(5.0 - 6.0') CLAY and SILT, low plasticity, slow dilatancy; little very fine to fine sand; moist; medium soft; black (10YR 2/1).		
18.1						X	X	(6.0 - 24.0') SAND, very fine to fine; well sorted; dry; black (10YR 2/1). Note: Metal fragments present.		
80.6						X	X			
107.3		2	6.0-16.0	10.0		X	X			
176.2						X	X			
123.7						X	X			
69.0						X	X			

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 6.0-8.0', 12.0-14.0', and 25.0-26.0' bgs.
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Date Start: 11/01/17 Date Finish: 11/01/17 Drilling Company: Cascade Driller's Name: D. Robortt, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 26.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 25.033" N Eastings: 83° 17' 34.025" W Casing Elevation: Borehole Depth (ft. bgs.): 26.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-96-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 40 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
20 -20		3	16.0-26.0		45.7	X	X			
					43.2	X	X			
					65.2	X	X			
25 -25					58.3	X	X	(24.0 - 26.0') CLAY, some silt, medium plasticity, slow dilatancy; moist; medium soft; brown (10YR 4/3).		
								Note: Wet at 26.0' bgs. End of boring at 26.0' bgs.		
30 -30										
35 -35										

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 6.0-8.0', 12.0-14.0', and 25.0-26.0' bgs.
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Date Start: 11/01/17 Date Finish: 11/01/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 26.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 24.903" N Easting: 83° 17' 34.409" W Casing Elevation: Borehole Depth (ft. bgs.): 26.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-97-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 45 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
0.1		1	0.0-6.0	6.0	0.1	X	X	(0.0 - 2.0') SILT, little clay, low plasticity, slow dilatancy; little very fine to fine sand; dry; medium soft; brown (10YR 5/3).		
8.9					8.9	X	X	(2.0 - 5.5') SAND, very fine to fine; and GRANULES; some small to large pebbles, subrounded to subangular; dry; very dark grayish brown (10YR 3/2). Note: Fill material present.		
1.0					1.0	X	X	(5.5 - 6.0') CLAY and SILT, low plasticity, slow dilatancy; moist; medium soft; black (10YR 2/1).		
9.0					9.0	X	X	(6.0 - 26.0') SAND, fine; well sorted; moist; black (10YR 2/1). Note: Fill material, metal fragments and wood present.		
31.8					31.8	X	X			
105.1		2	6.0-16.0	10.0	105.1	X	X			
254.3					254.3	X	X			
116.8					116.8	X	X			
99.4					99.4	X	X			

Remarks: bgs = below ground surface
 NA = not applicable
 NM = not measured
 Negative shake tests from 6.0-8.0', 12.0-14.0', and 25.0-26.0' bgs.




Date Start: 11/01/17 Date Finish: 11/01/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 26.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 24.977" N Eastings: 83° 17' 34.696" W Casing Elevation: Borehole Depth (ft. bgs.): 26.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-98-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 45 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0							(0.0 - 2.0') SILT, little clay; trace very fine sand; dry; medium soft; brown (10YR 5/3).		
		1	0.0-6.0	6.0	0.0	X	X	(2.0 - 5.0') SAND, very fine to fine; and PEBBLES, small to large pebbles, subrounded to subangular; little granules, subrounded to subangular; dry; very dark grayish brown (10YR 3/2). Note: Brick fragments and fill material present.		<p>Bentonite chips (1.0-26.0' bgs)</p>
					0.6	X	X	(5.0 - 6.0') CLAY and SILT, low plasticity, slow dilatancy; moist; medium soft; black (10YR 2/1). Note: Odors and staining from 5.0-26.0' bgs.		
					1.4	X	X	(6.0 - 9.0') SAND, fine; well sorted; dry; black (10YR 2/1).		
					3.2	X	X	(9.0 - 16.0') FILL; wood; metal; some very fine sand; black (10YR 2/1).		
					75.0	X	X			
		2	6.0-16.0	10.0	88.3	X	X	(16.0 - 26.0') SAND, fine; well sorted; moist; black (10YR 2/1).		
					1067	X	X			
					224.6	X	X			
					200.2	X	X			

<p>ARCADIS Design & Consultancy for natural and built assets</p>	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 12.0-14.0', and 16.0-18.0' bgs.
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Date Start: 11/01/17 Date Finish: 11/01/17 Drilling Company: Cascade Driller's Name: D. Robortt, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 26.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 24.977" N Easting: 83° 17' 34.696" W Casing Elevation: Borehole Depth (ft. bgs.): 26.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-98-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 45 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
20 -20		3	16.0-26.0	8.0	238.5	X	[Dotted pattern]		26.0	[Grey bar]
					107.6	X				
					65.7	X				
25 -25					45.2	X				
								Note: Wet at 26.0' bgs. End of boring at 26.0' bgs.		
30 -30										
35 -35										

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 12.0-14.0', and 16.0-18.0' bgs.
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Date Start: 11/01/17
Date Finish: 11/01/17
Drilling Company: Cascade
Driller's Name: D. Robbott, L. Cardiff, J. Kaufman
Drilling Method: Sonic
Sampling Method: 5.0'/10.0' Core barrel, Continuous
Rig Type: Sonic
Water Level Start (ft. bgs.): 16.0
Water Level Finish (ft. btoc.): NA

Northing: 42° 39' 25.270" N
Easting: 83° 17' 34.790" W
Casing Elevation:
Borehole Depth (ft. bgs.): 16.0
Surface Elevation:
Descriptions By: Severin Presswood

Well/Boring ID: SB-99-17
Client: RACER
Location: RACER PNC
Weather Conditions: Cloudy, 45 F

DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
0.0		1	0.0-6.0	6.0	0.0	X	X	(0.0 - 2.0') SILT, little clay, low plasticity, rapid dilatancy; trace very fine sand; dry; medium soft; brown (10YR 5/3).		<p>Bentonite chips (1.0-16.0' bgs)</p>
2.0					0.1	X	X	(2.0 - 5.5') SAND, very fine to fine; some silt; some granules; dry; very dark grayish brown (10YR 3/2).		
5.0	-5				0.1	X	X			
5.5					17.8	X	X	(5.5 - 14.0') SAND, very fine; well sorted; dry; black (10YR 2/1). Note: Odors and staining from 6.0-16.0' bgs.		
10.0	-10	2	6.0-16.0	10.0	159.6	X	X			
13.0					33.3	X	X			
14.0					28.9	X	X	(14.0 - 16.0') FILL; wood; metal; very fine to fine sand; black (10YR 2/1). Note: Wet at 16.0' bgs.		
16.0	-15							End of boring at 16.0' bgs.		



Remarks: bgs = below ground surface
 NA = not applicable
 NM = not measured
 Negative shake test from 12.0-14.0' bgs.

Date Start: 11/01/17 Date Finish: 11/01/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 16.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 25.374" N Easting: 83° 17' 34.961" W Casing Elevation: Borehole Depth (ft. bgs.): 16.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-100-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 45 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
		1	0.0-6.0	6.0	0.0	X	X	(0.0 - 2.0') SILT, some clay, low plasticity, slow dilatancy; trace very fine to fine sand; dry; medium soft; brown (10YR 5/3).		<p>Bentonite chips (1.0-16.0' bgs)</p>
					0.1	X	X	(2.0 - 4.5') SAND, very fine to fine; some silt; some granules to medium pebbles, subrounded to subangular; dry; very dark grayish brown (10YR 3/2).		
5	-5				0.6	X	X	(4.5 - 5.5') CLAY, some silt, low plasticity, slow dilatancy; trace very fine sand; medium stiff; black (10YR 2/1). Note: Odors and staining from 4.5-16.0' bgs.		
					1.0	X	X	(5.5 - 12.0') SAND, very fine to fine; well sorted; moist; black (10YR 2/1). Note: Trace fill material.		
10	-10	2	6.0-16.0	10.0	57.8	X	X	(12.0 - 16.0') FILL; rubber; wood; metal; glass; very fine to fine sand; black (10YR 2/1).		
					231.7	X	X			
15	-15				120.6	X	X			
								Note: Wet at 16.0' bgs.		
								End of boring at 16.0' bgs.		

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake test from 12.0-14.0' bgs.
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Date Start: 11/01/17 Date Finish: 11/01/17 Drilling Company: Cascade Driller's Name: D. Robbott, L. Cardiff, J. Kaufman Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 26.0 Water Level Finish (ft. btoc.): NA	Northing: 42° 39' 25.271" N Easting: 83° 17' 35.160" W Casing Elevation: Borehole Depth (ft. bgs.): 26.0 Surface Elevation: Descriptions By: Severin Presswood	Well/Boring ID: SB-101-17 Client: RACER Location: RACER PNC Weather Conditions: Cloudy, 45 F
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DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
0	0									
		1	0.0-6.0	6.0	0.0	X	X	(0.0 - 2.5') SILT, some clay, low plasticity, slow dilatancy; some very fine to fine sand; dry; medium soft; brown (10YR 5/3).		<p>Bentonite chips (1.0-26.0' bgs)</p>
					0.0	X	X	(2.5 - 5.0') SAND, very fine to fine; little silt; some granules to medium pebbles, subrounded to subangular; dry; very dark grayish brown (10YR 3/2).		
5	-5				1.2	X	X	(5.0 - 12.0') SAND, very fine to fine; well sorted; dry; black (10YR 2/1). Note: Odors and staining from 5.0-26.0' bgs.		
					8.7	X	X			
					117.8	X	X			
10	-10	2	6.0-16.0	10.0	285.7	X	X	(12.0 - 16.0') FILL; wood; metal; brick; very fine to fine sand; black (10YR 2/1).		
					58.3	X	X			
15	-15				308.1	X	X			
					10.2	X	X	(16.0 - 26.0') SAND, fine; well sorted; moist; black (10YR 2/1).		

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 12.0-14.0', and 16.0-18.0' bgs.
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Date Start: 11/01/17
Date Finish: 11/01/17
Drilling Company: Cascade
Driller's Name: D. Robortt, L. Cardiff, J. Kaufman
Drilling Method: Sonic
Sampling Method: 5.0'/10.0' Core barrel, Continuous
Rig Type: Sonic
Water Level Start (ft. bgs.): 26.0
Water Level Finish (ft. btoc.): NA

Northing: 42° 39' 25.271" N
Easting: 83° 17' 35.160" W
Casing Elevation:
Borehole Depth (ft. bgs.): 26.0
Surface Elevation:
Descriptions By: Severin Presswood

Well/Boring ID: SB-101-17
Client: RACER
Location: RACER PNC
Weather Conditions: Cloudy, 45 F

DEPTH (feet bgs.)	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Water Level (ft. bgs.)	Well/Boring Construction
20 -20		3	16.0-26.0	6.7	39.7	X	[Dotted pattern]		26.0	[Grey bar]
					21.4	X				
					10.3	X				
25 -25					9.6	X				
30 -30										
35 -35										

Note: Wet at 26.0' bgs.
 End of boring at 26.0' bgs.



Remarks: bgs = below ground surface
 NA = not applicable
 NM = not measured
 Negative shake tests from 12.0-14.0', and 16.0-18.0' bgs.