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Date:
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Arcadis Project No.:
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Subject:
RACER Pontiac North Campus - 2018 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**). Additional PCB delineation activities were conducted to further refine the conceptual site model (CSM) and areas subject to interim soil corrective measures being proposed for the Site.

The objective of March 2018 investigation activities was to collect additional soil samples for PCB analysis to address data gaps and more accurately delineate the vertical and horizontal extent of impacted soil areas 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**). Previous investigation activities were conducted in 2014 to 2015 and summarized in the *RACER Pontiac North Campus – 2014 – 2015 PCB Investigation Summary* (Arcadis 2015), and also conducted in October-November 2017 and summarized in the *RACER Pontiac North Campus – 2017 PCB Delineation Summary* (Arcadis 2018). 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 February 21, 2018 and approved on February 27, 2018.

FIELD ACTIVITIES

Field activities were completed on site from March 19 through 22, 2018. Prior to completing 13 soil borings, the boring locations were 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, 2015, and 2017. In addition, five of the 13 locations were selected based on the results field screening performed during this investigation. Soil samples were collected continuously with a sonic sampler to the water table, which ranged in depth from 11 to 25 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 five 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 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 locations from these four areas are shown on **Figure 2**. 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**. Of note, soil analytical results from samples obtained in the March 2018 investigation from all thirteen soil boring locations were less than 100 ppm PCBs. Refined horizontal delineation boundaries, as well the refined estimated maximum extent of PCB impacts in the soil greater than 100 ppm above the water table as determined from previous investigations, 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

Seven soil borings (SB-102-18 through SB-105-18, SB-109-18, SB-114-18 and SB-115-18) were completed near former soil boring locations SB-45-14 and SB-03-14. During the investigation, SB-104-18 was installed based on Oil-In-Soil™ dye test kit results at SB-102-18, and SB-109-18 was installed based on Oil-In-Soil™ dye test kit results at SB-105-18. Furthermore, SB-114-18 and SB-115-18 were installed based on Oil-In-Soil™ dye test kit results at SB-109-18. Despite select positive Oil-In-Soil™ dye test kit results at three of the locations, the PCB concentrations in soil samples collected from the seven soil borings ranged from non-detect (ND) to 31 ppm PCBs. The highest concentration of 31 ppm PCBs in soil was detected in the 18- to 20-foot interval in SB-104-18. All soil samples collected in these borings had PCB detections of less than 100 ppm. North Area 1 is delineated to the north, east and west. Additional

delineation may be warranted to the south between SB-38-14 and SB-59-14 to more accurately define the extent of impacted soil greater than 100 ppm.

North Area 2

Three soil borings (SB-106-18 through SB-108-18) were completed near temporary well SB-90-17. The PCB concentrations in soil samples collected from the three soil borings ranged from ND to 15 ppm PCBs. The highest concentration of 15 ppm PCBs in soil was detected in the 18- to 20-foot interval in SB-107-18. All soil samples collected in these borings had PCB detections of less than 100 ppm. North Area 2 is delineated to the north, west and south. Additional delineation may be warranted to the east between SB-46-14, SB-89-17 to more accurately define the extent of impacted soil greater than 100 ppm.

South Area 1

One soil boring (SB-110-18) was completed between SB-95-17 and SB-94-17. The PCB concentrations in soil samples collected from the soil boring ranged from ND to 16 ppm PCBs. The highest concentration of 16 ppm PCBs in soil was detected in the 14- to 16-foot interval. All soil samples collected in this boring had PCB detections of less than 100 ppm. South Area 1 is delineated to the north, east and south. Additional delineation may be warranted to the west between SB-49-14 and SB-111-18 (also relevant to South Area 2) to more accurately define the extent of impacted soil greater than 100 ppm.

South Area 2

Three soil borings (SB-111-18 through SB-113-18) were completed near temporary wells SB-51-14 and SB-52-14. During the investigation, SB-113-18 was installed based on Oil-In-Soil™ dye test kit results at SB-112-18. Despite select positive Oil-In-Soil™ dye test kit results at SB-112-18, the PCB concentrations in soil samples collected from the three soil borings only ranged from ND to 63 ppm PCBs. The highest concentration of 63 ppm PCBs in soil was detected in the 8- to 10-foot interval in SB-111-18. All soil samples collected in these borings had PCB detections of less than 100 ppm. South Area 2 is delineated to the west and south. Additional delineation also relevant to South Area 1 referenced above may be warranted 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 at three locations to further refine the proposed horizontal and vertical extent of PCB-impacted soil being proposed for interim corrective measures at the Site. Preparation of an Interim Measures / TSCA Risk-Based Soil Corrective Measures Work Plan will continue concurrently with the proposed additional delineation.

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. 2018. RACER Pontiac North Campus - 2017 PCB Investigation Summary. February 27, 2018.

Arcadis. 2018. RACER Pontiac North Campus –Soil PCB Delineation Scope of Work Approval. February 21-27, 2018.

TABLES



Table 1
Soil Analytical Results (March 2018)
RACER - Pontiac North Campus
Pontiac, Michigan

Location Code	Sample Code	Sample Date	Sample Depth (feet bgs)	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-102-18	SB-102-18_(0-2) (03-20-2018)	3/20/2018	0 - 2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-102-18	SB-102-18_(2-4) (03-20-2018)	3/20/2018	2 - 4	< 600 UY	< 600 UY	< 600 UY	< 600 UY	3,300 Y	< 600 UY	< 600 UY	3,300
SB-102-18	SB-102-18_(4-6) (03-20-2018)	3/20/2018	4 - 6	< 330 U	< 330 U	< 330 U	< 330 U	1,100	< 330 U	< 330 U	1,100
SB-102-18	SB-102-18_(6-8) (03-20-2018)	3/20/2018	6 - 8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-102-18	SB-102-18_(8-10) (03-20-2018)	3/20/2018	8 - 10	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-102-18	SB-102-18_(10-12) (03-20-2018)	3/20/2018	10 - 12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-102-18	SB-102-18_(12-14) (03-20-2018)	3/20/2018	12 - 14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-102-18	SB-102-18_(14-16) (03-20-2018)	3/20/2018	14 - 16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-102-18	SB-102-18_(16-18) (03-20-2018)	3/20/2018	16 - 18	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-102-18	SB-102-18_(18-20) (03-20-2018)	3/20/2018	18 - 20	< 6,000 UY	< 6,000 UY	< 6,000 UY	< 6,000 UY	20,000 Y	< 6,000 UY	< 6,000 UY	20,000
SB-102-18	SB-102-18_(20-22) (03-20-2018)	3/20/2018	20 - 22	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-102-18	SB-102-18_(22-24) (03-20-2018)	3/20/2018	22 - 24	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-103-18	SB-103-18_(0-2) (03-20-2018)	3/20/2018	0 - 2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-103-18	SB-103-18_(2-4) (03-20-2018)	3/20/2018	2 - 4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-103-18	SB-103-18_(4-6) (03-20-2018)	3/20/2018	4 - 6	< 600 UY	< 600 UY	< 600 UY	< 600 UY	3,600 Y	< 600 UY	< 600 UY	3,600
SB-103-18	SB-103-18_(6-8) (03-20-2018)	3/20/2018	6 - 8	< 330 U	< 330 U	< 330 U	< 330 U	2,900	< 330 U	< 330 U	2,900
SB-103-18	SB-103-18_(8-10) (03-20-2018)	3/20/2018	8 - 10	< 1,000 UY	< 1,000 UY	< 1,000 UY	8,400 Y	< 1,000 UY	< 1,000 UY	< 1,000 UY	8,400
SB-103-18	SB-103-18_(10-12) (03-20-2018)	3/20/2018	10 - 12	< 600 UY	< 600 UY	< 600 UY	< 600 UY	2,500 Y	< 600 UY	< 600 UY	2,500
SB-103-18	SB-103-18_(12-14) (03-20-2018)	3/20/2018	12 - 14	< 500 UY	< 500 UY	< 500 UY	< 500 UY	2,400 Y	< 500 UY	< 500 UY	2,400
SB-103-18	SB-103-18_(14-16) (03-20-2018)	3/20/2018	14 - 16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-103-18	SB-103-18_(16-18) (03-20-2018)	3/20/2018	16 - 18	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-103-18	SB-103-18_(18-20) (03-20-2018)	3/20/2018	18 - 20	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-104-18	SB-104-18_(0-2) (03-20-2018)	3/20/2018	0 - 2	< 330 U	< 330 U	< 330 U	< 330 U	400	< 330 U	< 330 U	400
SB-104-18	SB-104-18_(2-4) (03-20-2018)	3/20/2018	2 - 4	< 1,000 UY	< 1,000 UY	< 1,000 UY	5,300 Y	< 1,000 UY	< 1,000 UY	< 1,000 UY	5,300
SB-104-18	SB-104-18_(4-6) (03-20-2018)	3/20/2018	4 - 6	< 600 UY	< 600 UY	< 600 UY	< 600 UY	3,200 Y	< 600 UY	< 600 UY	3,200
SB-104-18	SB-104-18_(6-8) (03-20-2018)	3/20/2018	6 - 8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-104-18	SB-104-18_(8-10) (03-20-2018)	3/20/2018	8 - 10	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-104-18	SB-104-18_(10-12) (03-20-2018)	3/20/2018	10 - 12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-104-18	SB-104-18_(12-14) (03-20-2018)	3/20/2018	12 - 14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-104-18	SB-104-18_(14-16) (03-20-2018)	3/20/2018	14 - 16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-104-18	SB-104-18_(16-18) (03-20-2018)	3/20/2018	16 - 18	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-104-18	SB-104-18_(18-20) (03-20-2018)	3/20/2018	18 - 20	< 6,000 UY	< 6,000 UY	< 6,000 UY	< 6,000 UY	31,000 Y	< 6,000 UY	< 6,000 UY	31,000
SB-105-18	SB-105-18_(0-2) (03-20-2018)	3/20/2018	0 - 2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-105-18	SB-105-18_(2-4) (03-20-2018)	3/20/2018	2 - 4	< 330 U	< 330 U	< 330 U	1,600	< 330 U	< 330 U	< 330 U	1,600
SB-105-18	SB-105-18_(4-6) (03-20-2018)	3/20/2018	4 - 6	< 6,000 UY	< 6,000 UY	< 6,000 UY	28,000 Y	< 6,000 UY	< 6,000 UY	< 6,000 UY	28,000
SB-105-18	SB-105-18_(6-8) (03-20-2018)	3/20/2018	6 - 8	< 600 UY	< 600 UY	< 600 UY	< 600 UY	6,000 Y	< 600 UY	< 600 UY	6,000
SB-105-18	SB-105-18_(8-10) (03-20-2018)	3/20/2018	8 - 10	< 6,000 UY	< 6,000 UY	< 6,000 UY	< 6,000 UY	23,000 Y	< 6,000 UY	< 6,000 UY	23,000
SB-105-18	SB-105-18_(10-12) (03-20-2018)	3/20/2018	10 - 12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-105-18	SB-105-18_(12-14) (03-20-2018)	3/20/2018	12 - 14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-105-18	SB-105-18_(14-16) (03-20-2018)	3/20/2018	14 - 16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-105-18	SB-105-18_(16-18) (03-20-2018)	3/20/2018	16 - 18	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-105-18	SB-105-18_(18-20) (03-20-2018)	3/20/2018	18 - 20	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-105-18	SB-105-18_(20-22) (03-20-2018)	3/20/2018	20 - 22	< 3,000 UY	< 3,000 UY	< 3,000 UY	< 3,000 UY	20,000 Y	< 3,000 UY	< 3,000 UY	20,000
SB-105-18	SB-105-18_(22-24) (03-20-2018)	3/20/2018	22 - 24	< 330 U	< 330 U	< 330 U	< 330 U	600	< 330 U	< 330 U	600
SB-105-18	SB-105-18_(24-25) (03-20-2018)	3/20/2018	24 - 25	< 600 UY	< 600 UY	< 600 UY	< 600 UY	2,000 Y	< 600 UY	< 600 UY	2,000
SB-106-18	SB-106-18_(0-2) (03-20-2018)	3/20/2018	0 - 2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-106-18	SB-106-18_(2-4) (03-20-2018)	3/20/2018	2 - 4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-106-18	SB-106-18_(4-6) (03-20-2018)	3/20/2018	4 - 6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-106-18	SB-106-18_(6-8) (03-20-2018)	3/20/2018	6 - 8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-106-18	SB-106-18_(8-10) (03-20-2018)	3/20/2018	8 - 10	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-106-18	SB-106-18_(10-12) (03-20-2018)	3/20/2018	10 - 12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-106-18	SB-106-18_(12-14) (03-20-2018)	3/20/2018	12 - 14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-106-18	SB-106-18_(14-16) (03-20-2018)	3/20/2018	14 - 16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-106-18	SB-106-18_(16-18) (03-20-2018)	3/20/2018	16 - 18	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-106-18	SB-106-18_(18-20) (03-20-2018)	3/20/2018	18 - 20	< 500 UY	< 500 UY	< 500 UY	< 500 UY	4,000 Y	< 500 UY	< 500 UY	4,000
SB-107-18	SB-107-18_(0-2) (03-21-2018)	3/21/2018	0 - 2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-107-18	SB-107-18_(2-4) (03-21-2018)	3/21/2018	2 - 4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-107-18	SB-107-18_(4-6) (03-21-2018)	3/21/2018	4 - 6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-107-18	SB-107-18_(6-8) (03-21-2018)	3/21/2018	6 - 8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-107-18	SB-107-18_(8-10) (03-21-2018)	3/21/2018	8 - 10	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	1,700 [2,100]	< 330 U [< 330 U]	< 330 U [< 330 U]	1,700 [2,100]
SB-107-18	SB-107-18_(10-12) (03-21-2018)	3/21/2018	10 - 12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-107-18	SB-107-18_(12-14) (03-21-2018)	3/21/2018	12 - 14	< 330 U	< 330 U	< 330 U	< 330 U	1,000	< 330 U	< 330 U	1,000
SB-107-18	SB-107-18_(14-16) (03-21-2018)	3/21/2018	14 - 16	< 1,000 UY	< 1,000 UY	< 1,000 UY	< 1,000 UY	6,000 Y	< 1,000 UY	< 1,000 UY	6,000

See Notes on last page.

Table 1
Soil Analytical Results (March 2018)
RACER - Pontiac North Campus
Pontiac, Michigan

Location Code	Sample Code	Sample Date	Sample Depth (feet bgs)	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-107-18	SB-107-18_(16-18) (03-21-2018)	3/21/2018	16 - 18	< 2,000 UY	< 2,000 UY	< 2,000 UY	< 2,000 UY	5,400 Y	< 2,000 UY	< 2,000 UY	5,400
SB-107-18	SB-107-18_(18-20) (03-21-2018)	3/21/2018	18 - 20	< 5,000 UY	< 5,000 UY	< 5,000 UY	< 5,000 UY	15,000 Y	< 5,000 UY	< 5,000 UY	15,000
SB-107-18	SB-107-18_(20-22) (03-21-2018)	3/21/2018	20 - 22	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	700 [400]	< 330 U [< 330 U]	< 330 U [< 330 U]	700 [400]
SB-107-18	SB-107-18_(22-24) (03-21-2018)	3/21/2018	22 - 24	< 330 U	< 330 U	< 330 U	< 330 U	600	< 330 U	< 330 U	600
SB-108-18	SB-108-18_(0-2) (03-21-2018)	3/21/2018	0 - 2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-108-18	SB-108-18_(2-4) (03-21-2018)	3/21/2018	2 - 4	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-108-18	SB-108-18_(4-6) (03-21-2018)	3/21/2018	4 - 6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-108-18	SB-108-18_(6-8) (03-21-2018)	3/21/2018	6 - 8	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [400]	500 [< 330 U]	< 330 U [< 330 U]	500 [400]
SB-108-18	SB-108-18_(8-10) (03-21-2018)	3/21/2018	8 - 10	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [600]	< 330 U [< 330 U]	< 330 U [600]
SB-108-18	SB-108-18_(10-12) (03-21-2018)	3/21/2018	10 - 12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-108-18	SB-108-18_(12-14) (03-21-2018)	3/21/2018	12 - 14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-109-18	SB-109-18_(0-2) (03-21-2018)	3/21/2018	0 - 2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-109-18	SB-109-18_(2-4) (03-21-2018)	3/21/2018	2 - 4	< 600 UY	< 600 UY	< 600 UY	< 600 UY	2,700 Y	< 600 UY	< 600 UY	2,700
SB-109-18	SB-109-18_(4-6) (03-21-2018)	3/21/2018	4 - 6	< 330 U	< 330 U	< 330 U	< 330 U	1,900	< 330 U	< 330 U	1,900
SB-109-18	SB-109-18_(6-8) (03-21-2018)	3/21/2018	6 - 8	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	700 [500]	< 330 U [< 330 U]	< 330 U [< 330 U]	700 [500]
SB-109-18	SB-109-18_(8-10) (03-21-2018)	3/21/2018	8 - 10	< 500 UY	< 500 UY	< 500 UY	< 500 UY	4,700 Y	< 500 UY	< 500 UY	4,700
SB-109-18	SB-109-18_(10-12) (03-21-2018)	3/21/2018	10 - 12	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	1,700 [600]	< 330 U [< 330 U]	< 330 U [< 330 U]	1,700 [600]
SB-109-18	SB-109-18_(12-14) (03-21-2018)	3/21/2018	12 - 14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-109-18	SB-109-18_(14-16) (03-21-2018)	3/21/2018	14 - 16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-109-18	SB-109-18_(16-18) (03-21-2018)	3/21/2018	16 - 18	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-109-18	SB-109-18_(18-20) (03-21-2018)	3/21/2018	18 - 20	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-110-18	SB-110-18_(0-2) (03-21-2018)	3/21/2018	0 - 2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-110-18	SB-110-18_(2-4) (03-21-2018)	3/21/2018	2 - 4	< 330 U	< 330 U	< 330 U	< 330 U	700	< 330 U	< 330 U	700
SB-110-18	SB-110-18_(4-6) (03-21-2018)	3/21/2018	4 - 6	< 330 U	< 330 U	< 330 U	< 330 U	1,100	< 330 U	< 330 U	1,100
SB-110-18	SB-110-18_(14-16) (03-21-2018)	3/21/2018	14 - 16	< 6,000 UY [< 6,000 UY]	< 6,000 UY [< 6,000 UY]	< 6,000 UY [< 6,000 UY]	< 6,000 UY [< 6,000 UY]	16,000 Y [16,000 Y]	< 6,000 UY [< 6,000 UY]	< 6,000 UY [< 6,000 UY]	16,000 [16,000]
SB-110-18	SB-110-18_(16-18) (03-21-2018)	3/21/2018	16 - 18	< 330 U [< 2,000 UY]	< 330 U [< 2,000 UY]	< 330 U [< 2,000 UY]	< 330 U [< 2,000 UY]	1,800 [5,000 Y]	< 330 U [< 2,000 UY]	< 330 U [< 2,000 UY]	1,800 [5,000]
SB-111-18	SB-111-18_(0-2) (03-21-2018)	3/21/2018	0 - 2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-111-18	SB-111-18_(2-4) (03-21-2018)	3/21/2018	2 - 4	< 330 U	< 330 U	< 330 U	< 330 U	700	< 330 U	< 330 U	700
SB-111-18	SB-111-18_(4-6) (03-21-2018)	3/21/2018	4 - 6	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-111-18	SB-111-18_(6-8) (03-21-2018)	3/21/2018	6 - 8	< 6,000 UY [< 6,000 UY]	< 6,000 UY [< 6,000 UY]	< 6,000 UY [< 6,000 UY]	< 6,000 UY [< 6,000 UY]	24,000 Y [25,000 Y]	< 6,000 UY [< 6,000 UY]	< 6,000 UY [< 6,000 UY]	24,000 [25,000]
SB-111-18	SB-111-18_(8-10) (03-21-2018)	3/21/2018	8 - 10	< 11,000 UY	< 11,000 UY	< 11,000 UY	< 11,000 UY	63,000 Y	< 11,000 UY	< 11,000 UY	63,000
SB-112-18	SB-112-18_(0-2) (03-21-2018)	3/21/2018	0 - 2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-112-18	SB-112-18_(2-4) (03-21-2018)	3/21/2018	2 - 4	< 330 U	< 330 U	< 330 U	< 330 U	500	< 330 U	< 330 U	500
SB-112-18	SB-112-18_(4-6) (03-21-2018)	3/21/2018	4 - 6	< 330 U	< 330 U	< 330 U	600	< 330 U	< 330 U	< 330 U	600
SB-112-18	SB-112-18_(6-8) (03-21-2018)	3/21/2018	6 - 8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-112-18	SB-112-18_(8-10) (03-21-2018)	3/21/2018	8 - 10	< 330 U	< 330 U	< 330 U	< 330 U	1,500	< 330 U	< 330 U	1,500
SB-112-18	SB-112-18_(10-12) (03-21-2018)	3/21/2018	10 - 12	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]
SB-112-18	SB-112-18_(12-14) (03-21-2018)	3/21/2018	12 - 14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-112-18	SB-112-18_(14-16) (03-21-2018)	3/21/2018	14 - 16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-112-18	SB-112-18_(16-18) (03-21-2018)	3/21/2018	16 - 18	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-112-18	SB-112-18_(18-20) (03-21-2018)	3/21/2018	18 - 20	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-112-18	SB-112-18_(20-22) (03-21-2018)	3/21/2018	20 - 22	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-112-18	SB-112-18_(22-24) (03-21-2018)	3/21/2018	22 - 24	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-112-18	SB-112-18_(24-25) (03-21-2018)	3/21/2018	24 - 25	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [400]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [400]
SB-113-18	SB-113-18_(0-2) (03-22-2018)	3/22/2018	0 - 2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-113-18	SB-113-18_(2-4) (03-22-2018)	3/22/2018	2 - 4	< 330 U	< 330 U	< 330 U	800	< 330 U	< 330 U	< 330 U	800
SB-113-18	SB-113-18_(4-6) (03-22-2018)	3/22/2018	4 - 6	< 330 U	< 330 U	< 330 U	500	< 330 U	< 330 U	< 330 U	500
SB-113-18	SB-113-18_(6-8) (03-22-2018)	3/22/2018	6 - 8	< 330 U	< 330 U	< 330 U	< 330 U	500	< 330 U	< 330 U	500
SB-113-18	SB-113-18_(8-10) (03-22-2018)	3/22/2018	8 - 10	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-113-18	SB-113-18_(10-12) (03-22-2018)	3/22/2018	10 - 12	< 330 U	< 330 U	< 330 U	< 330 U	600	< 330 U	< 330 U	600
SB-113-18	SB-113-18_(12-14) (03-22-2018)	3/22/2018	12 - 14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-113-18	SB-113-18_(14-16) (03-22-2018)	3/22/2018	14 - 16	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [900]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [900]
SB-113-18	SB-113-18_(16-18) (03-22-2018)	3/22/2018	16 - 18	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	400	< 330 U	400
SB-113-18	SB-113-18_(18-20) (03-22-2018)	3/22/2018	18 - 20	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-114-18	SB-114-18_(0-2) (03-22-2018)	3/22/2018	0 - 2	< 330 U	< 330 U	< 330 U	< 330 U	800	< 330 U	< 330 U	800
SB-114-18	SB-114-18_(2-4) (03-22-2018)	3/22/2018	2 - 4	< 330 U	< 330 U	< 330 U	< 330 U	900	< 330 U	< 330 U	900
SB-114-18	SB-114-18_(4-6) (03-22-2018)	3/22/2018	4 - 6	< 330 U	< 330 U	< 330 U	< 330 U	1,200	< 330 U	< 330 U	1,200
SB-114-18	SB-114-18_(6-8) (03-22-2018)	3/22/2018	6 - 8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-114-18	SB-114-18_(8-10) (03-22-2018)	3/22/2018	8 - 10	< 3,000 UY	< 3,000 UY	< 3,000 UY	< 3,000 UY	13,000 Y	< 3,000 UY	< 3,000 UY	13,000
SB-114-18	SB-114-18_(10-12) (03-22-2018)	3/22/2018	10 - 12	< 3,000 UY [< 6,000 UY]	< 3,000 UY [< 6,000 UY]	< 3,000 UY [< 6,000 UY]	< 3,000 UY [< 6,000 UY]	11,000 Y [19,000 Y]	< 3,000 UY [< 6,000 UY]	< 3,000 UY [< 6,000 UY]	11,000 [19,000]
SB-114-18	SB-114-18_(12-14) (03-22-2018)	3/22/2018	12 - 14	< 6,000 UY	< 6,000 UY	< 6,000 UY	< 6,000 UY	15,000 Y	< 6,000 UY	< 6,000 UY	15,000
SB-114-18	SB-114-18_(14-16) (03-22-2018)	3/22/2018	14 - 16	< 6,000 UY	< 6,000 UY	< 6,000 UY	< 6,000 UY	28,000 Y	< 6,000 UY	< 6,000 UY	28,000
SB-114-18	SB-114-18_(16-18) (03-22-2018)	3/22/2018	16 - 18	< 6,000 UY	< 6,000 UY	< 6,000 UY	< 6,000 UY	16,000 Y	< 6,000 UY	< 6,000 UY	16,000

See Notes on last page.

Table 1
Soil Analytical Results (March 2018)
RACER - Pontiac North Campus
Pontiac, Michigan

Location Code	Sample Code	Sample Date	Sample Depth (feet bgs)	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-114-18	SB-114-18_(18-20) (03-22-2018)	3/22/2018	18 - 20	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-114-18	SB-114-18_(20-22) (03-22-2018)	3/22/2018	20 - 22	< 330 U	< 330 U	< 330 U	< 330 U	1,300	< 330 U	< 330 U	1,300
SB-114-18	SB-114-18_(22-24) (03-22-2018)	3/22/2018	22 - 24	< 6,000 UY	< 6,000 UY	< 6,000 UY	< 6,000 UY	15,000 Y	< 6,000 UY	< 6,000 UY	15,000
SB-115-18	SB-115-18_(0-2) (03-22-2018)	3/22/2018	0 - 2	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-115-18	SB-115-18_(2-4) (03-22-2018)	3/22/2018	2 - 4	< 330 U	< 330 U	< 330 U	< 330 U	1,100	< 330 U	< 330 U	1,100
SB-115-18	SB-115-18_(4-6) (03-22-2018)	3/22/2018	4 - 6	< 600 UY	< 600 UY	< 600 UY	< 600 UY	5,000 Y	< 600 UY	< 600 UY	5,000
SB-115-18	SB-115-18_(6-8) (03-22-2018)	3/22/2018	6 - 8	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-115-18	SB-115-18_(10-12) (03-22-2018)	3/22/2018	10 - 12	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-115-18	SB-115-18_(12-14) (03-22-2018)	3/22/2018	12 - 14	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-115-18	SB-115-18_(14-16) (03-22-2018)	3/22/2018	14 - 16	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-115-18	SB-115-18_(16-18) (03-22-2018)	3/22/2018	16 - 18	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U
SB-115-18	SB-115-18_(18-20) (03-22-2018)	3/22/2018	18 - 20	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]	< 330 U [< 330 U]
SB-115-18	SB-115-18_(20-22) (03-22-2018)	3/22/2018	20 - 22	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U	< 330 U

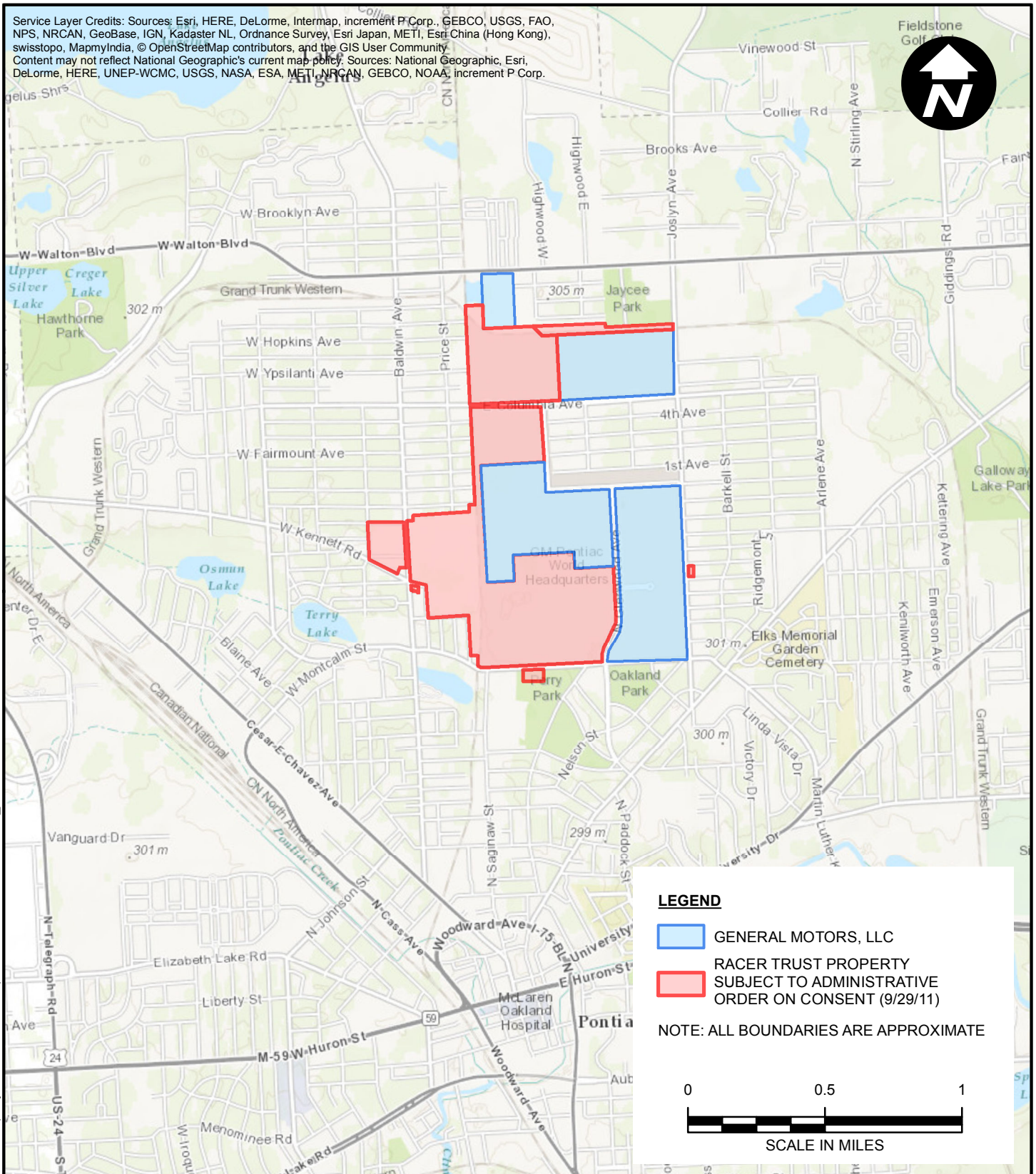
Notes:
All results are listed in micrograms per kilogram (µg/kg).
Duplicate sample results are in brackets.

Abbreviations:
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

FIGURES



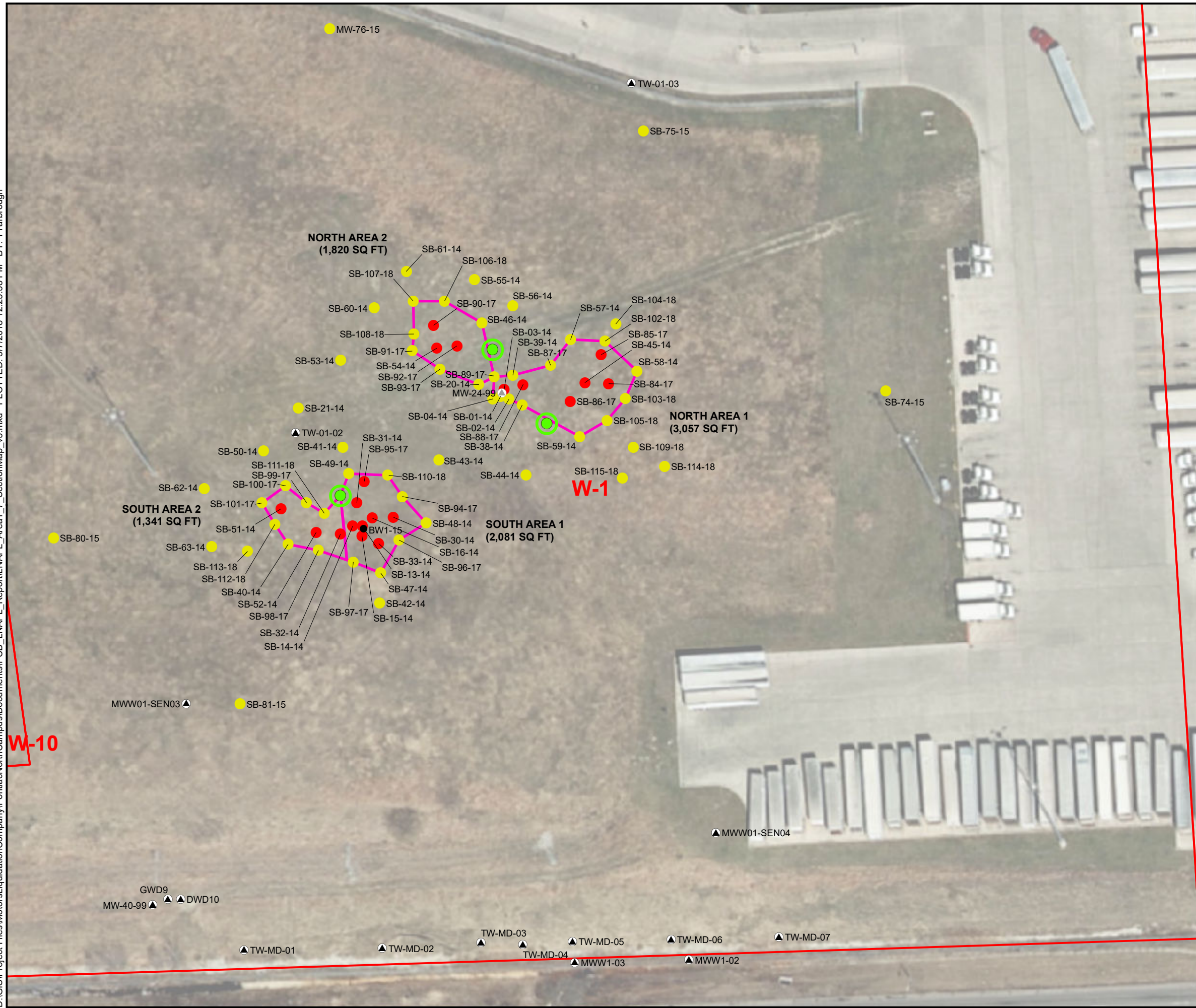
Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
 Content may not reflect National Geographic's current map policy. Sources: National Geographic, Esri, DeLorme, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.



RACER TRUST
 PONTIAC NORTH CAMPUS
 PONTIAC, MICHIGAN

SITE LOCATION

CITY: Novi DIV: ENV DB: TRY PIC: PM: TM: TR: PROJECT NUMBER: COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl
D:\GIS\Project Files\MotorsLiquidationCompany\PontiacNorthCampusDocuments\PCB_LNAPL_Report\LNAPL_Area1_7_SectionMap_v3.mxd PLOTTED: 5/7/2018 12:25:38 PM BY: TYarborough



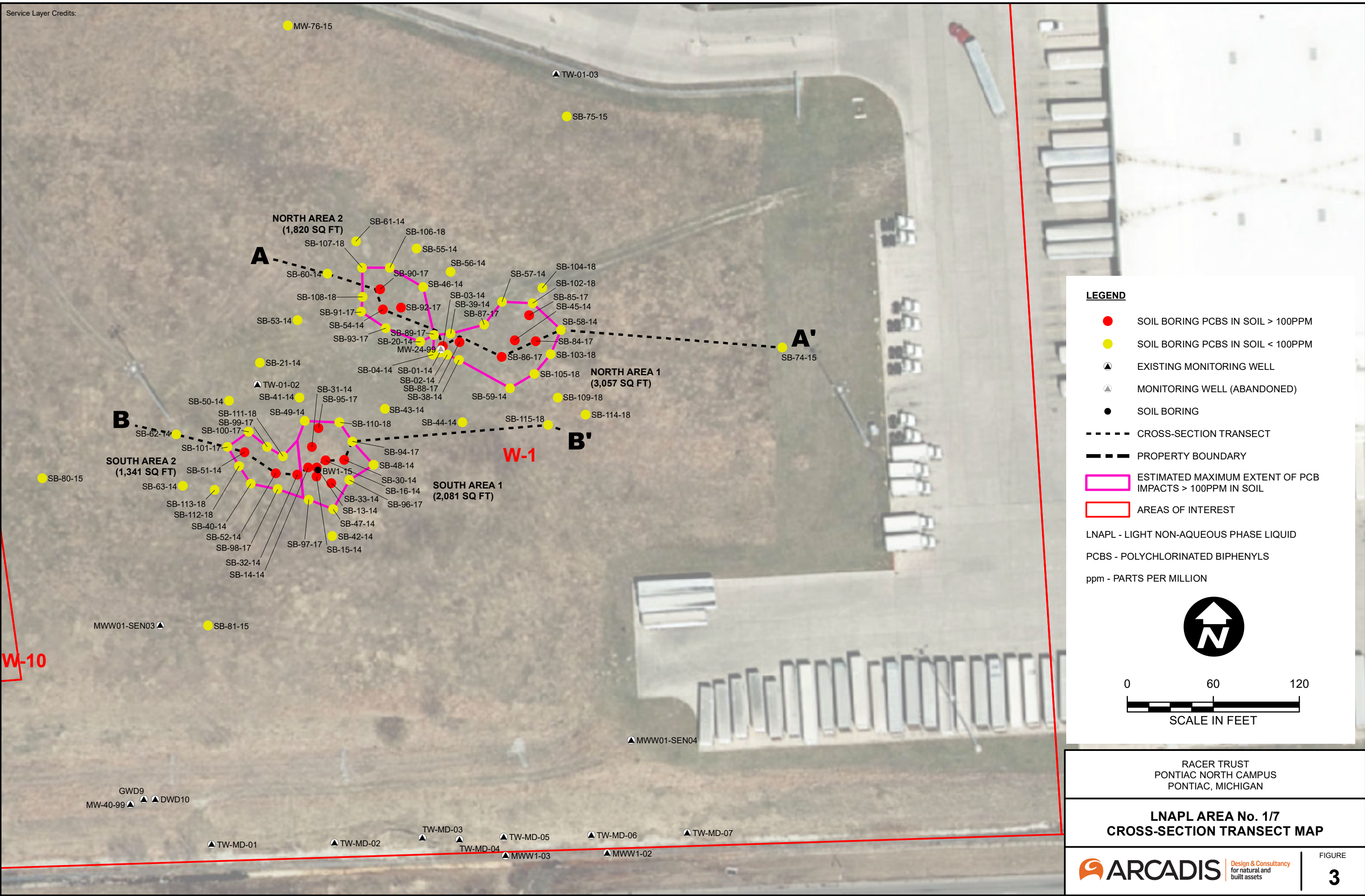
LEGEND

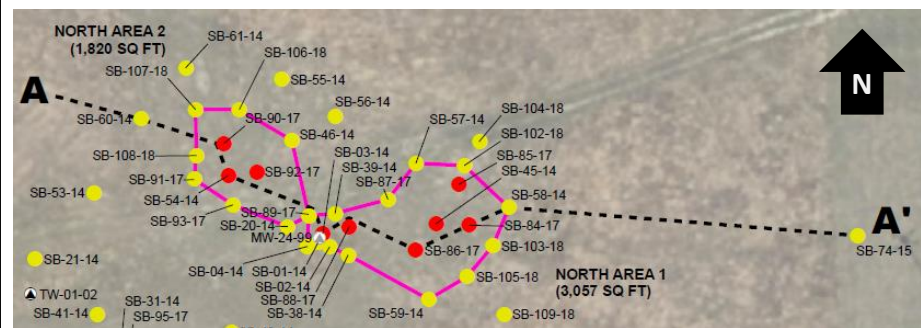
- PROPOSED ADDITIONAL BORING LOCATION
- SOIL BORING PCBs IN SOIL > 100PPM
- SOIL BORING PCBs IN SOIL < 100PPM
- EXISTING MONITORING WELL
- MONITORING WELL (ABANDONED)
- SOIL BORING
- PROPERTY BOUNDARY
- ESTIMATED MAXIMUM EXTENT OF PCB IMPACTS > 100PPM IN SOIL
- AREAS OF INTEREST

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

SCALE IN FEET

CITY: Novi DIV: ENV DB: TRY PIC: PM: TM: TR: PROJECT NUMBER: COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
D:\GIS\Project Files\MotorsLiquidationCompany\PontiacNorthCampus\Documents\PCB_LNAPL_Report\LNAPL_Area1_7_SectionMap_v2wSection.mxd PLOTTED: 5/3/2018 1:23:33 PM BY: TYarbrough

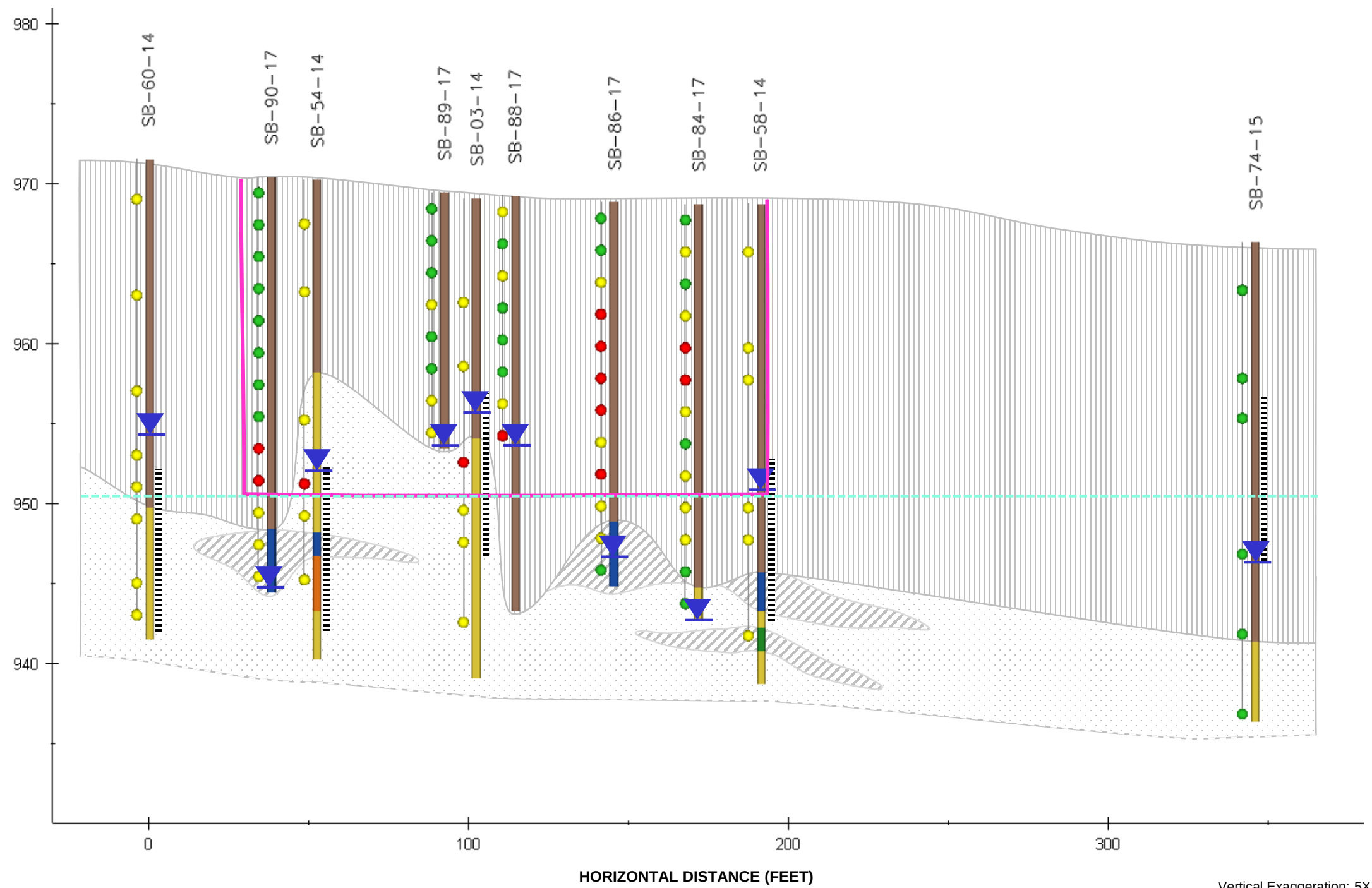




A
WEST

A'
EAST

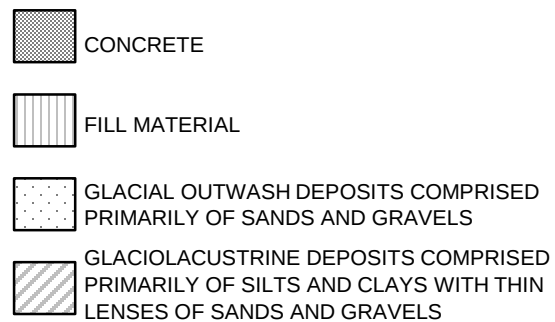
ELEVATION (FEET ABOVE MEAN SEA LEVEL)



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

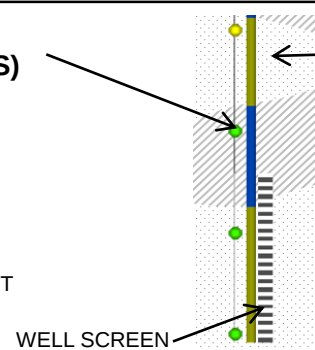
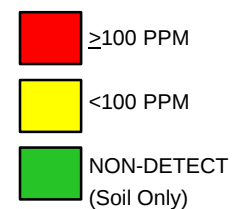
Generalized Stratigraphy



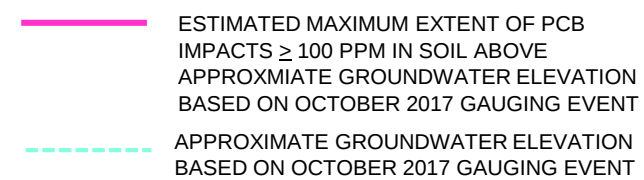
Borehole Stratigraphy



PCBs IN SOIL (SPHERES)



BOREHOLE STRATIGRAPHY



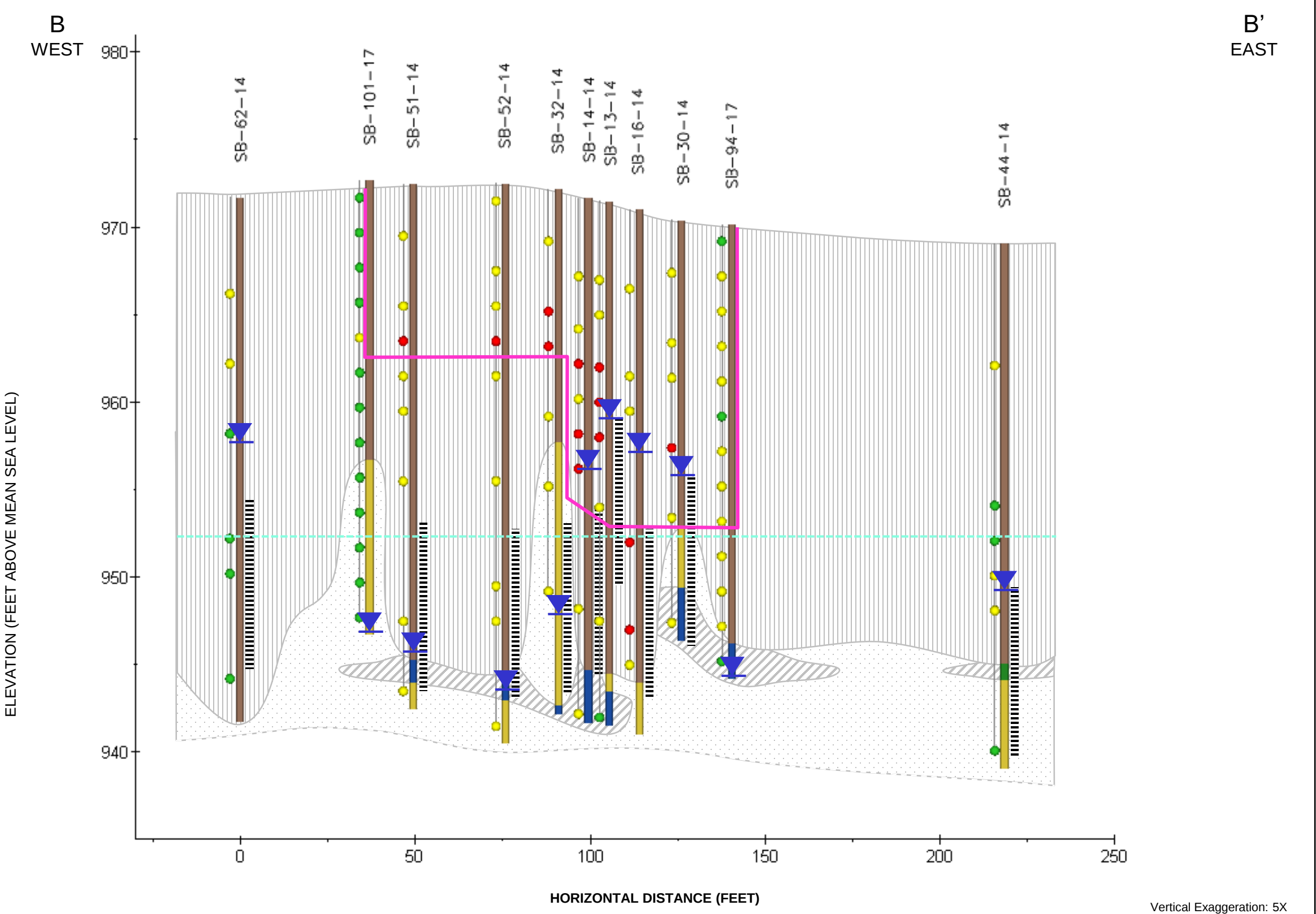
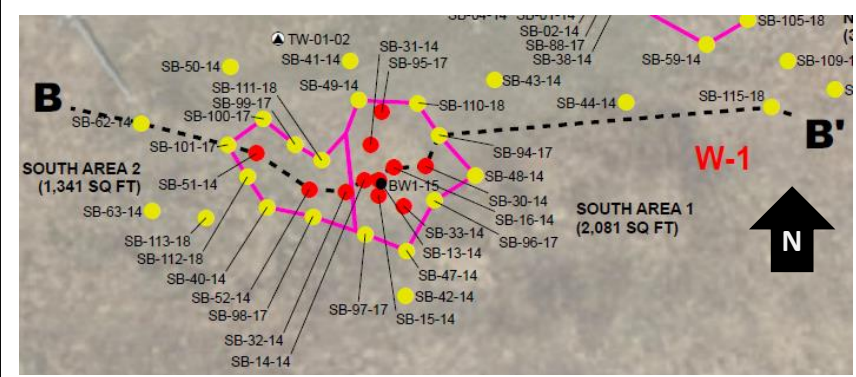
DEPTH TO WATER IN SOIL BORING DURING INSTALLATION

RACER TRUST
PONTIAC, MICHIGAN
PONTIAC NORTH CAMPUS

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

ARCADIS

FIGURE
4A



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
- NON-DETECT (Soil Only)

BOREHOLE STRATIGRAPHY

WELL SCREEN

ESTIMATED MAXIMUM EXTENT OF PCB IMPACTS ≥ 100 PPM IN SOIL ABOVE APPROXIMATE GROUNDWATER ELEVATION BASED ON OCTOBER 2017 GAUGING EVENT

APPROXIMATE GROUNDWATER ELEVATION BASED ON OCTOBER 2017 GAUGING EVENT

DEPTH TO WATER IN SOIL BORING DURING INSTALLATION

RACER TRUST
PONTIAC, MICHIGAN
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: S88408.01(01)

Generated on 03/28/2018

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, Brad Saunders

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 Lavery (johnlavery@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S88408.01-S88408.55
Project: PNC Racer
Collected Date: 03/20/2018
Submitted Date/Time: 03/21/2018 13:35
Sampled by: Kaitlyn Voet
P.O. #: B0064607.2018

Table of Contents

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Sample Summary (Page 5)

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 (55 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S88408.01	SB-102-18_(0-2)	Soil	03/20/18 10:50
S88408.02	SB-102-18_(2-4)	Soil	03/20/18 10:52
S88408.03	SB-102-18_(4-6)	Soil	03/20/18 10:54
S88408.04	SB-102-18_(6-8)	Soil	03/20/18 10:56
S88408.05	SB-102-18_(8-10)	Soil	03/20/18 10:58
S88408.06	SB-102-18_(10-12)	Soil	03/20/18 11:20
S88408.07	SB-102-18_(12-14)	Soil	03/20/18 11:22
S88408.08	SB-102-18_(14-16)	Soil	03/20/18 11:24
S88408.09	SB-102-18_(16-18)	Soil	03/20/18 11:26
S88408.10	SB-102-18_(18-20)	Soil	03/20/18 11:28
S88408.11	SB-102-18_(20-22)	Soil	03/20/18 11:30
S88408.12	SB-102-18_(22-24)	Soil	03/20/18 11:32
S88408.13	SB-103-18_(0-2)	Soil	03/20/18 12:50
S88408.14	SB-103-18_(2-4)	Soil	03/20/18 12:52
S88408.15	SB-103-18_(4-6)	Soil	03/20/18 12:54
S88408.16	SB-103-18_(6-8)	Soil	03/20/18 12:56
S88408.17	SB-103-18_(8-10)	Soil	03/20/18 12:58
S88408.18	SB-103-18_(10-12)	Soil	03/20/18 13:00
S88408.19	SB-103-18_(12-14)	Soil	03/20/18 13:02
S88408.20	SB-103-18_(14-16)	Soil	03/20/18 13:04
S88408.21	SB-103-18_(16-18)	Soil	03/20/18 13:06
S88408.22	SB-103-18_(18-20)	Soil	03/20/18 13:08
S88408.23	SB-104-18_(0-2)	Soil	03/20/18 13:20
S88408.24	SB-104-18_(2-4)	Soil	03/20/18 13:22
S88408.25	SB-104-18_(4-6)	Soil	03/20/18 13:24
S88408.26	SB-104-18_(6-8)	Soil	03/20/18 13:26
S88408.27	SB-104-18_(8-10)	Soil	03/20/18 13:28
S88408.28	SB-104-18_(10-12)	Soil	03/20/18 13:30
S88408.29	SB-104-18_(12-14)	Soil	03/20/18 13:32
S88408.30	SB-104-18_(14-16)	Soil	03/20/18 13:34
S88408.31	SB-104-18_(16-18)	Soil	03/20/18 13:36
S88408.32	SB-104-18_(18-20)	Soil	03/20/18 13:38
S88408.33	SB-105-18_(0-2)	Soil	03/20/18 14:10
S88408.34	SB-105-18_(2-4)	Soil	03/20/18 14:12
S88408.35	SB-105-18_(4-6)	Soil	03/20/18 14:14
S88408.36	SB-105-18_(6-8)	Soil	03/20/18 14:16
S88408.37	SB-105-18_(8-10)	Soil	03/20/18 14:18
S88408.38	SB-105-18_(10-12)	Soil	03/20/18 14:20
S88408.39	SB-105-18_(12-14)	Soil	03/20/18 14:22
S88408.40	SB-105-18_(14-16)	Soil	03/20/18 14:24
S88408.41	SB-105-18_(16-18)	Soil	03/20/18 14:26
S88408.42	SB-105-18_(18-20)	Soil	03/20/18 14:28
S88408.43	SB-105-18_(20-22)	Soil	03/20/18 14:30
S88408.44	SB-105-18_(22-24)	Soil	03/20/18 14:32
S88408.45	SB-105-18_(24-25)	Soil	03/20/18 14:34
S88408.46	SB-106-18_(0-2)	Soil	03/20/18 15:00
S88408.47	SB-106-18_(2-4)	Soil	03/20/18 15:02
S88408.48	SB-106-18_(4-6)	Soil	03/20/18 15:04
S88408.49	SB-106-18_(6-8)	Soil	03/20/18 15:06
S88408.50	SB-106-18_(8-10)	Soil	03/20/18 15:08
S88408.51	SB-106-18_(10-12)	Soil	03/20/18 15:10
S88408.52	SB-106-18_(12-14)	Soil	03/20/18 15:12
S88408.53	SB-106-18_(14-16)	Soil	03/20/18 15:14



Analytical Laboratory Report

Sample Summary (continued)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S88408.54	SB-106-18_(16-18)	Soil	03/20/18 15:16
S88408.55	SB-106-18_(18-20)	Soil	03/20/18 15:18



Analytical Laboratory Report

Lab Sample ID: S88408.01

Sample Tag: SB-102-18_(0-2)

Collected Date/Time: 03/20/2018 10:50

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB	
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Inorganics

Total Solids*	87	%	1	SM2540B	03/22/18 09:00	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 20:55	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 20:55	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 20:55	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 20:55	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 20:55	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 20:55	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 20:55	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.02

Sample Tag: SB-102-18_(2-4)

Collected Date/Time: 03/20/2018 10:52

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/22/18 09:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	03/22/18 17:25	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	03/22/18 17:25	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	03/22/18 17:25	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	03/22/18 17:25	JAN		Y
PCB-1248	3,300	ug/kg	600	SW8082A	03/22/18 17:25	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	03/22/18 17:25	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	03/22/18 17:25	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S88408.03

Sample Tag: SB-102-18_(4-6)

Collected Date/Time: 03/20/2018 10:54

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB	
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Inorganics

Total Solids*	89	%	1	SM2540B	03/22/18 09:00	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 17:14	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 17:14	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 17:14	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 17:14	JAN	
PCB-1248	1,100	ug/kg	330	SW8082A	03/22/18 17:14	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 17:14	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 17:14	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.04

Sample Tag: SB-102-18_(6-8)

Collected Date/Time: 03/20/2018 10:56

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	83	%	1	SM2540B	03/22/18 09:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 19:48	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 19:48	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 19:48	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 19:48	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 19:48	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 19:48	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 19:48	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.05

Sample Tag: SB-102-18_(8-10)

Collected Date/Time: 03/20/2018 10:58

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	03/22/18 09:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 16:52	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 16:52	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 16:52	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 16:52	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 16:52	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 16:52	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 16:52	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.06

Sample Tag: SB-102-18_(10-12)

Collected Date/Time: 03/20/2018 11:20

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	03/22/18 09:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 17:03	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 17:03	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 17:03	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 17:03	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 17:03	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 17:03	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 17:03	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.07

Sample Tag: SB-102-18_(12-14)

Collected Date/Time: 03/20/2018 11:22

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB	
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Inorganics

Total Solids*	90	%	1	SM2540B	03/22/18 09:00	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 19:59	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 19:59	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 19:59	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 19:59	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 19:59	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 19:59	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 19:59	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.08

Sample Tag: SB-102-18_(14-16)

Collected Date/Time: 03/20/2018 11:24

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	77	%	1	SM2540B	03/22/18 09:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 20:10	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 20:10	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 20:10	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 20:10	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 20:10	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 20:10	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 20:10	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.09

Sample Tag: SB-102-18_(16-18)

Collected Date/Time: 03/20/2018 11:26

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB	
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Inorganics

Total Solids*	79	%	1	SM2540B	03/22/18 09:00	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/23/18 22:39	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/23/18 22:39	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/23/18 22:39	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/23/18 22:39	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/23/18 22:39	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/23/18 22:39	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/23/18 22:39	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.10

Sample Tag: SB-102-18_(18-20)

Collected Date/Time: 03/20/2018 11:28

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	78	%	1	SM2540B	03/22/18 09:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	03/23/18 17:51	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	03/23/18 17:51	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	03/23/18 17:51	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	03/23/18 17:51	JAN		Y
PCB-1248	20,000	ug/kg	6,000	SW8082A	03/23/18 17:51	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	03/23/18 17:51	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	03/23/18 17:51	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S88408.11

Sample Tag: SB-102-18_(20-22)

Collected Date/Time: 03/20/2018 11:30

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB	
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Inorganics

Total Solids*	85	%	1	SM2540B	03/22/18 09:00	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 20:21	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 20:21	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 20:21	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 20:21	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 20:21	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 20:21	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 20:21	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.12

Sample Tag: SB-102-18_(22-24)

Collected Date/Time: 03/20/2018 11:32

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	03/22/18 09:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 21:06	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 21:06	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 21:06	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 21:06	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 21:06	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 21:06	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 21:06	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.13

Sample Tag: SB-103-18_(0-2)

Collected Date/Time: 03/20/2018 12:50

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/22/18 09:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 16:26	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 16:26	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 16:26	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 16:26	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 16:26	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 16:26	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 16:26	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.14

Sample Tag: SB-103-18_(2-4)

Collected Date/Time: 03/20/2018 12:52

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB	
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Inorganics

Total Solids*	85	%	1	SM2540B	03/22/18 09:00	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 20:32	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 20:32	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 20:32	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 20:32	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 20:32	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 20:32	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 20:32	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.15

Sample Tag: SB-103-18_(4-6)

Collected Date/Time: 03/20/2018 12:54

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	83	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	03/23/18 13:42	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	03/23/18 13:42	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	03/23/18 13:42	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	03/23/18 13:42	JAN		Y
PCB-1248	3,600	ug/kg	600	SW8082A	03/23/18 13:42	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	03/23/18 13:42	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	03/23/18 13:42	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S88408.16

Sample Tag: SB-103-18_(6-8)

Collected Date/Time: 03/20/2018 12:56

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	87	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 18:42	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 18:42	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 18:42	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 18:42	JAN		
PCB-1248	2,900	ug/kg	330	SW8082A	03/22/18 18:42	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 18:42	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 18:42	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.17

Sample Tag: SB-103-18_(8-10)

Collected Date/Time: 03/20/2018 12:58

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	03/23/18 13:53	JAN		Y
PCB-1242	8,400	ug/kg	1,000	SW8082A	03/23/18 13:53	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	03/23/18 13:53	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	03/23/18 13:53	JAN		Y
PCB-1248	Not detected	ug/kg	1,000	SW8082A	03/23/18 13:53	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	03/23/18 13:53	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	03/23/18 13:53	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S88408.18

Sample Tag: SB-103-18_(10-12)

Collected Date/Time: 03/20/2018 13:00

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	81	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	03/23/18 14:04	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	03/23/18 14:04	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	03/23/18 14:04	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	03/23/18 14:04	JAN		Y
PCB-1248	2,500	ug/kg	600	SW8082A	03/23/18 14:04	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	03/23/18 14:04	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	03/23/18 14:04	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S88408.19

Sample Tag: SB-103-18_(12-14)

Collected Date/Time: 03/20/2018 13:02

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	500	SW8082A	03/23/18 14:15	JAN		Y
PCB-1242	Not detected	ug/kg	500	SW8082A	03/23/18 14:15	JAN		Y
PCB-1221	Not detected	ug/kg	500	SW8082A	03/23/18 14:15	JAN		Y
PCB-1232	Not detected	ug/kg	500	SW8082A	03/23/18 14:15	JAN		Y
PCB-1248	2,400	ug/kg	500	SW8082A	03/23/18 14:15	JAN		Y
PCB-1254	Not detected	ug/kg	500	SW8082A	03/23/18 14:15	JAN		Y
PCB-1260	Not detected	ug/kg	500	SW8082A	03/23/18 14:15	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S88408.20

Sample Tag: SB-103-18_(14-16)

Collected Date/Time: 03/20/2018 13:04

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB	
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Inorganics

Total Solids*	92	%	1	SM2540B	03/22/18 09:35	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 20:43	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 20:43	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 20:43	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 20:43	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 20:43	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 20:43	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 20:43	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.21

Sample Tag: SB-103-18_(16-18)

Collected Date/Time: 03/20/2018 13:06

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	93	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 21:28	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 21:28	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 21:28	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 21:28	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 21:28	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 21:28	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 21:28	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.22

Sample Tag: SB-103-18_(18-20)

Collected Date/Time: 03/20/2018 13:08

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	96	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/23/18 21:44	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/23/18 21:44	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/23/18 21:44	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/23/18 21:44	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/23/18 21:44	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/23/18 21:44	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/23/18 21:44	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.23

Sample Tag: SB-104-18_(0-2)

Collected Date/Time: 03/20/2018 13:20

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB	
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Inorganics

Total Solids*	88	%	1	SM2540B	03/22/18 09:35	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/23/18 14:52	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/23/18 14:52	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/23/18 14:52	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/23/18 14:52	JAN	
PCB-1248	400	ug/kg	330	SW8082A	03/23/18 14:52	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/23/18 14:52	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/23/18 14:52	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.24

Sample Tag: SB-104-18_(2-4)

Collected Date/Time: 03/20/2018 13:22

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	03/23/18 18:24	JAN		Y
PCB-1242	5,300	ug/kg	1,000	SW8082A	03/23/18 18:24	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	03/23/18 18:24	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	03/23/18 18:24	JAN		Y
PCB-1248	Not detected	ug/kg	1,000	SW8082A	03/23/18 18:24	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	03/23/18 18:24	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	03/23/18 18:24	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S88408.25

Sample Tag: SB-104-18_(4-6)

Collected Date/Time: 03/20/2018 13:24

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	03/23/18 18:36	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	03/23/18 18:36	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	03/23/18 18:36	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	03/23/18 18:36	JAN		Y
PCB-1248	3,200	ug/kg	600	SW8082A	03/23/18 18:36	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	03/23/18 18:36	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	03/23/18 18:36	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S88408.26

Sample Tag: SB-104-18_(6-8)

Collected Date/Time: 03/20/2018 13:26

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/23/18 21:55	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/23/18 21:55	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/23/18 21:55	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/23/18 21:55	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/23/18 21:55	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/23/18 21:55	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/23/18 21:55	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.27

Sample Tag: SB-104-18_(8-10)

Collected Date/Time: 03/20/2018 13:28

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/23/18 15:06	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/23/18 15:06	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/23/18 15:06	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/23/18 15:06	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/23/18 15:06	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/23/18 15:06	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/23/18 15:06	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.28

Sample Tag: SB-104-18_(10-12)

Collected Date/Time: 03/20/2018 13:30

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/23/18 15:47	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/23/18 15:47	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/23/18 15:47	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/23/18 15:47	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/23/18 15:47	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/23/18 15:47	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/23/18 15:47	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.29

Sample Tag: SB-104-18_(12-14)

Collected Date/Time: 03/20/2018 13:32

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	80	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/23/18 22:50	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/23/18 22:50	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/23/18 22:50	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/23/18 22:50	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/23/18 22:50	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/23/18 22:50	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/23/18 22:50	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.30

Sample Tag: SB-104-18_(14-16)

Collected Date/Time: 03/20/2018 13:34

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	80	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/23/18 22:06	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/23/18 22:06	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/23/18 22:06	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/23/18 22:06	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/23/18 22:06	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/23/18 22:06	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/23/18 22:06	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.31

Sample Tag: SB-104-18_(16-18)

Collected Date/Time: 03/20/2018 13:36

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	83	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/23/18 22:17	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/23/18 22:17	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/23/18 22:17	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/23/18 22:17	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/23/18 22:17	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/23/18 22:17	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/23/18 22:17	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.32

Sample Tag: SB-104-18_(18-20)

Collected Date/Time: 03/20/2018 13:38

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	82	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	03/23/18 18:02	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	03/23/18 18:02	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	03/23/18 18:02	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	03/23/18 18:02	JAN		Y
PCB-1248	31,000	ug/kg	6,000	SW8082A	03/23/18 18:02	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	03/23/18 18:02	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	03/23/18 18:02	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S88408.33

Sample Tag: SB-105-18_(0-2)

Collected Date/Time: 03/20/2018 14:10

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 21:50	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 21:50	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 21:50	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 21:50	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 21:50	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 21:50	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 21:50	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.34

Sample Tag: SB-105-18_(2-4)

Collected Date/Time: 03/20/2018 14:12

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB	
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Inorganics

Total Solids*	91	%	1	SM2540B	03/22/18 09:35	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/23/18 17:40	JAN	
PCB-1242	1,600	ug/kg	330	SW8082A	03/23/18 17:40	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/23/18 17:40	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/23/18 17:40	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/23/18 17:40	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/23/18 17:40	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/23/18 17:40	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.35

Sample Tag: SB-105-18_(4-6)

Collected Date/Time: 03/20/2018 14:14

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	79	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	03/23/18 18:13	JAN		Y
PCB-1242	28,000	ug/kg	6,000	SW8082A	03/23/18 18:13	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	03/23/18 18:13	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	03/23/18 18:13	JAN		Y
PCB-1248	Not detected	ug/kg	6,000	SW8082A	03/23/18 18:13	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	03/23/18 18:13	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	03/23/18 18:13	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S88408.36

Sample Tag: SB-105-18_(6-8)

Collected Date/Time: 03/20/2018 14:16

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	84	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	03/23/18 16:24	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	03/23/18 16:24	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	03/23/18 16:24	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	03/23/18 16:24	JAN		Y
PCB-1248	6,000	ug/kg	600	SW8082A	03/23/18 16:24	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	03/23/18 16:24	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	03/23/18 16:24	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S88408.37

Sample Tag: SB-105-18_(8-10)

Collected Date/Time: 03/20/2018 14:18

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	87	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	03/23/18 16:13	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	03/23/18 16:13	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	03/23/18 16:13	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	03/23/18 16:13	JAN		Y
PCB-1248	23,000	ug/kg	6,000	SW8082A	03/23/18 16:13	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	03/23/18 16:13	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	03/23/18 16:13	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S88408.38

Sample Tag: SB-105-18_(10-12)

Collected Date/Time: 03/20/2018 14:20

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	93	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/23/18 22:28	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/23/18 22:28	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/23/18 22:28	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/23/18 22:28	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/23/18 22:28	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/23/18 22:28	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/23/18 22:28	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.39

Sample Tag: SB-105-18_(12-14)

Collected Date/Time: 03/20/2018 14:22

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	94	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 21:39	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 21:39	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 21:39	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 21:39	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 21:39	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 21:39	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 21:39	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.40

Sample Tag: SB-105-18_(14-16)

Collected Date/Time: 03/20/2018 14:24

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/22/18 13:30	PLB		
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Inorganics

Total Solids*	96	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/22/18 22:01	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/22/18 22:01	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/22/18 22:01	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/22/18 22:01	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/22/18 22:01	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/22/18 22:01	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/22/18 22:01	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.41

Sample Tag: SB-105-18_(16-18)

Collected Date/Time: 03/20/2018 14:26

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	96	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 21:29	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 21:29	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 21:29	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 21:29	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 21:29	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 21:29	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 21:29	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.42

Sample Tag: SB-105-18_(18-20)

Collected Date/Time: 03/20/2018 14:28

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	95	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 21:40	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 21:40	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 21:40	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 21:40	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 21:40	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 21:40	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 21:40	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.43

Sample Tag: SB-105-18_(20-22)

Collected Date/Time: 03/20/2018 14:30

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	3,000	SW8082A	03/27/18 15:18	JAN		Y
PCB-1242	Not detected	ug/kg	3,000	SW8082A	03/27/18 15:18	JAN		Y
PCB-1221	Not detected	ug/kg	3,000	SW8082A	03/27/18 15:18	JAN		Y
PCB-1232	Not detected	ug/kg	3,000	SW8082A	03/27/18 15:18	JAN		Y
PCB-1248	20,000	ug/kg	3,000	SW8082A	03/27/18 15:18	JAN		Y
PCB-1254	Not detected	ug/kg	3,000	SW8082A	03/27/18 15:18	JAN		Y
PCB-1260	Not detected	ug/kg	3,000	SW8082A	03/27/18 15:18	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S88408.44

Sample Tag: SB-105-18_(22-24)

Collected Date/Time: 03/20/2018 14:32

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB	
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Inorganics

Total Solids*	93	%	1	SM2540B	03/22/18 09:35	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 14:46	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 14:46	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 14:46	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 14:46	JAN	
PCB-1248	600	ug/kg	330	SW8082A	03/28/18 14:46	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 14:46	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 14:46	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.45

Sample Tag: SB-105-18_(24-25)

Collected Date/Time: 03/20/2018 14:34

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	81	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	03/27/18 15:33	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	03/27/18 15:33	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	03/27/18 15:33	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	03/27/18 15:33	JAN		Y
PCB-1248	2,000	ug/kg	600	SW8082A	03/27/18 15:33	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	03/27/18 15:33	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	03/27/18 15:33	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Lab Sample ID: S88408.46

Sample Tag: SB-106-18_(0-2)

Collected Date/Time: 03/20/2018 15:00

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB	
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Inorganics

Total Solids*	89	%	1	SM2540B	03/22/18 09:35	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 22:02	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 22:02	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 22:02	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 22:02	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 22:02	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 22:02	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 22:02	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.47

Sample Tag: SB-106-18_(2-4)

Collected Date/Time: 03/20/2018 15:02

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	03/22/18 09:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 22:13	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 22:13	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 22:13	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 22:13	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 22:13	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 22:13	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 22:13	JAN		



Analytical Laboratory Report

Lab Sample ID: S88408.48

Sample Tag: SB-106-18_(4-6)

Collected Date/Time: 03/20/2018 15:04

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB	
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Inorganics

Total Solids*	88	%	1	SM2540B	03/22/18 09:35	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 22:24	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 22:24	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 22:24	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 22:24	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 22:24	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 22:24	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 22:24	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.49

Sample Tag: SB-106-18_(6-8)

Collected Date/Time: 03/20/2018 15:06

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB	
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Inorganics

Total Solids*	90	%	1	SM2540B	03/22/18 09:35	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 22:35	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 22:35	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 22:35	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 22:35	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 22:35	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 22:35	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 22:35	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.50

Sample Tag: SB-106-18_(8-10)

Collected Date/Time: 03/20/2018 15:08

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB	
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Inorganics

Total Solids*	85	%	1	SM2540B	03/22/18 09:35	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 23:08	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 23:08	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 23:08	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 23:08	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 23:08	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 23:08	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 23:08	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.51

Sample Tag: SB-106-18_(10-12)

Collected Date/Time: 03/20/2018 15:10

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB	
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Inorganics

Total Solids*	87	%	1	SM2540B	03/22/18 09:35	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 23:19	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 23:19	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 23:19	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 23:19	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 23:19	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 23:19	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 23:19	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.52

Sample Tag: SB-106-18_(12-14)

Collected Date/Time: 03/20/2018 15:12

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB	
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Inorganics

Total Solids*	86	%	1	SM2540B	03/22/18 09:35	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 23:30	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 23:30	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 23:30	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 23:30	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 23:30	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 23:30	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 23:30	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.53

Sample Tag: SB-106-18_(14-16)

Collected Date/Time: 03/20/2018 15:14

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB	
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Inorganics

Total Solids*	89	%	1	SM2540B	03/22/18 09:35	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 23:41	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 23:41	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 23:41	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 23:41	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 23:41	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 23:41	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 23:41	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.54

Sample Tag: SB-106-18_(16-18)

Collected Date/Time: 03/20/2018 15:16

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB	
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Inorganics

Total Solids*	91	%	1	SM2540B	03/22/18 09:35	JBL	
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 23:52	JAN	
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 23:52	JAN	
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 23:52	JAN	
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 23:52	JAN	
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 23:52	JAN	
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 23:52	JAN	
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 23:52	JAN	



Analytical Laboratory Report

Lab Sample ID: S88408.55

Sample Tag: SB-106-18_(18-20)

Collected Date/Time: 03/20/2018 15:18

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.2	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	95	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	500	SW8082A	03/27/18 16:14	JAN		Y
PCB-1242	Not detected	ug/kg	500	SW8082A	03/27/18 16:14	JAN		Y
PCB-1221	Not detected	ug/kg	500	SW8082A	03/27/18 16:14	JAN		Y
PCB-1232	Not detected	ug/kg	500	SW8082A	03/27/18 16:14	JAN		Y
PCB-1248	4,000	ug/kg	500	SW8082A	03/27/18 16:14	JAN		Y
PCB-1254	Not detected	ug/kg	500	SW8082A	03/27/18 16:14	JAN		Y
PCB-1260	Not detected	ug/kg	500	SW8082A	03/27/18 16:14	JAN		Y

Y-Elevated reporting limit due to high target concentration



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C.O.C. PAGE # 1 OF 5

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. B0064607.2018
E-MAIL ADDRESS Theresa.Olechiw@arcadis.com; Brad.Saunders@ar 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 accountspayable.administration@arcadis-us.com

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME PNC RACER SAMPLER(S) PLEASE PRINT/SIGN NAME Kaitlyn Voet
TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER
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. FOR LAB USE ONLY	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES								
	DATE	TIME				NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MnOH	OTHER	
88406.01	3/20	1050	SB-102-18(0-2)	S	X								
.02		1052	SB-102-18-(2-4)	S	X								
.03		1054	SB-102-18-(4-6)	S	X								
.04		1056	SB-102-18-(6-8)	S	X								
.05		1058	SB-102-18-(8-10)	S	X								
.06		1120	SB-102-18-(10-12)	S	X								
.07		1122	SB-102-18-(12-14)	S	X								
.08		1124	SB-102-18-(14-16)	S	X								
.09		1126	SB-102-18-(16-18)	S	X								
.10		1128	SB-102-18-(18-20)	S	X								
.11		1130	SB-102-18-(20-22)	S	X								
.12	✓	1132	SB-102-18-(22-24)	S	X								

PCBs (8082)

Certifications

☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations

☐ Detroit ☐ New York

☒ Other Pontiac, MI

Special Instructions

RELINQUISHED BY: Kaitlyn Voet ☒ Sampler DATE 3/20/18 TIME 1800
SIGNATURE/ORGANIZATION N.C.S.
RECEIVED BY: DATE 3/20/18 TIME 1800
SIGNATURE/ORGANIZATION
RELINQUISHED BY: DATE 3-21-18 TIME 1145
SIGNATURE/ORGANIZATION
RECEIVED BY: DATE 3-21-18 TIME 1145
SIGNATURE/ORGANIZATION

RELINQUISHED BY: Received DATE 3/20/18 TIME 1800
SIGNATURE/ORGANIZATION Novi Cold Storage
RECEIVED BY: DATE 3/20/18 TIME 1800
SIGNATURE/ORGANIZATION
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
NOTES: TEMP. ON ARRIVAL 4.2

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



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C.O.C. PAGE # 2 OF 5

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Theresa Olechiw
COMPANY Arcadis
ADDRESS 28550 Cabot Drive #500
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PHONE NO. 810.225.1909 FAX NO. P.O. NO. B0064607.2018
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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 accountspayable.administration@arcadis-us.com

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME PNC RACER SAMPLED BY - PLEASE PRINT SIGN NAME Kaitlyn Voet
TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER
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. FOR LAB USE ONLY	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES								
	DATE	TIME				NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	
88408.13	3/20	1250	SB-103-18-(0-2)	S		X							
.14		1252	SB-103-18-(2-4)	S		X							
.15		1254	SB-103-18-(4-6)	S		X							
.16		1256	SB-103-18-(6-8)	S		X							
.17		1258	SB-103-18-(8-10)	S		X							
.18		1300	SB-103-18-(10-12)	S		X							
.19		1302	SB-103-18-(12-14)	S		X							
.20		1304	SB-103-18-(14-16)	S		X							
.21		1306	SB-103-18-(16-18)	S		X							
.22		1308	SB-103-18-(18-20)	S		X							
.23		1320	SB-104-18-(0-2)	S		X							
.24		1322	SB-104-18-(2-4)	S		X							

PCBs (8082)

Certifications

☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations

☐ Detroit ☐ New York

☒ Other Pontiac, MI

Special Instructions

RELINQUISHED BY: Kaitlyn Voet ☒ Sampler DATE 3/20/18 TIME 1800
RECEIVED BY: N.C.S. DATE 3/30/18 TIME 1800
RELINQUISHED BY: Sam Dunn DATE 3/21/18 TIME 1115
RECEIVED BY: DATE 3/21/18 TIME 1115

RELINQUISHED BY: Received Nov 1 Cold Storage (NCS) DATE 3/20/18 TIME 1800
RECEIVED BY: DATE TIME
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
NOTES: TEMP. ON ARRIVAL 4.2

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



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C.O.C. PAGE # 3 OF 5

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. B0064607.2018
E-MAIL ADDRESS Theresa.Olechiw@arcadis.com; Brad.Saunders@ar 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 accountspayable.administration@arcadis-us.com

PROJECT NO./NAME PNC RACER SAMPLER(S) - PLEASE PRINT/SIGN NAME Kaitlyn Voet

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

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

MERIT LAB NO. FOR LAB USE ONLY	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives							
	DATE	TIME				NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	
<u>58408.25</u>	<u>3/20</u>	<u>1324</u>	<u>SB-104-18-(4-6)</u>	<u>S</u>	<u>X</u>								
<u>.26</u>	<u>1</u>	<u>1326</u>	<u>SB-104-18-(6-8)</u>	<u>S</u>	<u>X</u>								
<u>.27</u>		<u>1328</u>	<u>SB-104-18-(8-10)</u>	<u>S</u>	<u>X</u>								
<u>.28</u>		<u>1330</u>	<u>SB-104-18-(10-12)</u>	<u>S</u>	<u>X</u>								
<u>.29</u>		<u>1332</u>	<u>SB-104-18-(12-14)</u>	<u>S</u>	<u>X</u>								
<u>.30</u>		<u>1334</u>	<u>SB-104-18-(14-16)</u>	<u>S</u>	<u>X</u>								
<u>.31</u>		<u>1336</u>	<u>SB-104-18-(16-18)</u>	<u>S</u>	<u>X</u>								
<u>.32</u>		<u>1338</u>	<u>SB-104-18-(18-20)</u>	<u>S</u>	<u>X</u>								
<u>.33</u>		<u>1410</u>	<u>SB-105-18-(0-2)</u>	<u>S</u>	<u>X</u>								
<u>.34</u>		<u>1412</u>	<u>SB-105-18-(2-4)</u>	<u>S</u>	<u>X</u>								
<u>.35</u>		<u>1414</u>	<u>SB-105-18-(4-6)</u>	<u>S</u>	<u>X</u>								
<u>.36</u>	<u>V</u>	<u>1416</u>	<u>SB-105-18-(6-8)</u>	<u>S</u>	<u>X</u>								

PCBs (8082)

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

RELINQUISHED BY: Kaitlyn Voet ☒ Sampler DATE 3/20/18 TIME 1800
SIGNATURE/ORGANIZATION N.C.S.
RECEIVED BY: N.C.S. DATE 3/20/18 TIME 1800
SIGNATURE/ORGANIZATION
RELINQUISHED BY: Brad Saunders DATE 3/21/18 TIME 1145
SIGNATURE/ORGANIZATION MS
RECEIVED BY: MS DATE 3/21/18 TIME 1145
SIGNATURE/ORGANIZATION

RELINQUISHED BY: Received DATE 3/20/18 TIME 1800
SIGNATURE/ORGANIZATION N.C.S.
RECEIVED BY: DATE 3/20/18 TIME 1800
SIGNATURE/ORGANIZATION
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
NOTES: TEMP. ON ARRIVAL 4.2

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

MS 3/21/18 Sam Smith 3/21/18 1335



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C.O.C. PAGE # 4 OF 5

REPORT TO

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ADDRESS 630 Plaza Drive Suite 600
CITY Highlands Ranch STATE CO ZIP CODE 80129
PHONE NO. E-MAIL ADDRESS accountspayable.administration@arcadis-us.com

PROJECT NO./NAME PNC RACER
SAMPLE(S) - PLEASE PRINT SIGN NAME Kaitlyn Voet

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

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

MERIT LAB NO. FOR LAB USE ONLY	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	Preservatives									
	DATE	TIME				NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER			
88458.37	3/20	1418	SB-105-18-(8-10)	S		X									
.38		1420	SB-105-18-(10-12)	S		X									
.39		1422	SB-105-18-(12-14)	S		X									
.40		1424	SB-105-18-(14-16)	S		X									
.41		1426	SB-105-18-(16-18)	S		X									
.42		1428	SB-105-18-(18-20)	S		X									
.43		1430	SB-105-18-(20-22)	S		X									
.44		1432	SB-105-18-(22-24)	S		X									
.45		1434	SB-105-18-(24-25)	S		X									
.46		1500	SB-106-18-(0-2)	S		X									
.47		1502	SB-106-18-(2-4)	S		X									
.48	✓	1504	SB-106-18-(4-6)	S		X									

PCBs (8082)

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

RELINQUISHED BY: *Kaitlyn Voet* ☒ Sampler DATE 3/20/18 TIME 1800
SIGNATURE/ORGANIZATION
RECEIVED BY: *NCS* DATE 3/20/18 TIME 1800
SIGNATURE/ORGANIZATION
RELINQUISHED BY: *Sam Smith* DATE 3/21/18 TIME 1100
SIGNATURE/ORGANIZATION
RECEIVED BY: *Sam Smith* DATE 3/21/18 TIME 1100
SIGNATURE/ORGANIZATION

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
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PHONE NO. E-MAIL ADDRESS accountspayable.administration@arcadis-us.com

PROJECT NO./NAME PNC RACER SAMPLE(S) PLEASE PRINT/SIGN NAME Kaitlyn Voet
TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER
DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☒ EDD ☐ OTHER

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Containers & Preservatives

PCBs (8082)

Certifications
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	DATE	TIME				NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER		
88408.49	3/20	1506	SB-106-18-(6-8)	S		X								
.50		1508	SB-106-18-(8-10)	S		X								
.51		1510	SB-106-18-(10-12)	S		X								
.52		1512	SB-106-18-(12-14)	S		X								
.53		1514	SB-106-18-(14-16)	S		X								
.54		1516	SB-106-18-(16-18)	S		X								
.55	↓	1518	SB-106-18-(18-20)	S		X								
				S		X								
				S		X								
				S		X								
				S		X								
				S		X								

RELINQUISHED BY: Kaitlyn Voet 3/20/18 1800
RECEIVED BY: N.C.S. 3/20/18 1800
RELINQUISHED BY: [Signature] 3/21/18 1145
RECEIVED BY: [Signature] 3/21/18 1145

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: TEMP. ON ARRIVAL 4.2

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

[Signatures and dates: 3.21.18, 3/21/18 1335]



Analytical Laboratory Report

Revised Report

Report ID: S88440.01(02)
Generated on 05/02/2018
Replaces report S88440.01(01) generated on 04/04/2018

Report to

Attention: Theresa Olechiw
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Additional Contacts: Colleen Barton, Brad Saunders

Report produced by

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

Report Summary

Lab Sample ID(s): S88440.01-S88440.73
Project: PNC Racer
Collected Date: 03/21/2018
Submitted Date/Time: 03/22/2018 14:15
Sampled by: Kaitlyn Voet
P.O. #: B0064607.2018

Table of Contents

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Sample Summary (Page 5)

Maya Murshak
Technical Director



Analytical Laboratory Report

Revised 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

PCB Extraction method reference updated to 3546 for samples .63-.73



Analytical Laboratory Report

Revised 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
LN	Linear
BR	Branched



Analytical Laboratory Report

Revised Report

Method Summary

Method	Version
SM2540B	Standard Method 2540 B 2011
SW3546	SW 846 Method 3546 Revision 0 February 2007
SW3550C	SW 846 Method 3550C Revision 3 February 2007
SW8082A	SW 846 Method 8082A Revision 1 February 2007



Analytical Laboratory Report

Revised Report

Sample Summary (73 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S88440.01	SB-107-18_(0-2)	Soil	03/21/18 09:00
S88440.02	SB-107-18_(2-4)	Soil	03/21/18 09:02
S88440.03	SB-107-18_(4-6)	Soil	03/21/18 09:04
S88440.04	SB-107-18_(4-6) MS	Soil	03/21/18 09:04
S88440.05	SB-107-18_(4-6) MSD	Soil	03/21/18 09:04
S88440.06	SB-107-18_(6-8)	Soil	03/21/18 09:06
S88440.07	SB-107-18_(8-10)	Soil	03/21/18 09:08
S88440.08	SB-107-18_(10-12)	Soil	03/21/18 09:10
S88440.09	SB-107-18_(12-14)	Soil	03/21/18 09:12
S88440.10	SB-107-18_(14-16)	Soil	03/21/18 09:14
S88440.11	SB-107-18_(16-18)	Soil	03/21/18 09:16
S88440.12	SB-107-18_(18-20)	Soil	03/21/18 09:18
S88440.13	SB-107-18_(20-22)	Soil	03/21/18 09:20
S88440.14	SB-107-18_(22-24)	Soil	03/21/18 09:22
S88440.15	SB-108-18_(0-2)	Soil	03/21/18 09:40
S88440.16	SB-108-18_(2-4)	Soil	03/21/18 09:42
S88440.17	SB-108-18_(4-6)	Soil	03/21/18 09:44
S88440.18	SB-108-18_(4-6) MS	Soil	03/21/18 09:44
S88440.19	SB-108-18_(4-6) MSD	Soil	03/21/18 09:44
S88440.20	SB-108-18_(6-8)	Soil	03/21/18 09:46
S88440.21	SB-108-18_(8-10)	Soil	03/21/18 09:48
S88440.22	SB-108-18_(10-12)	Soil	03/21/18 09:50
S88440.23	SB-108-18_(12-14)	Soil	03/21/18 09:52
S88440.24	SB-109-18_(0-2)	Soil	03/21/18 10:44
S88440.25	SB-109-18_(2-4)	Soil	03/21/18 10:46
S88440.26	SB-109-18_(4-6)	Soil	03/21/18 10:48
S88440.27	SB-109-18_(6-8)	Soil	03/21/18 10:50
S88440.28	SB-109-18_(8-10)	Soil	03/21/18 10:52
S88440.29	SB-109-18_(10-12)	Soil	03/21/18 10:54
S88440.30	SB-109-18_(12-14)	Soil	03/21/18 10:56
S88440.31	SB-109-18_(14-16)	Soil	03/21/18 10:58
S88440.32	SB-109-18_(14-16) MS	Soil	03/21/18 10:58
S88440.33	SB-109-18_(14-16) MSD	Soil	03/21/18 10:58
S88440.34	SB-109-18_(16-18)	Soil	03/21/18 11:00
S88440.35	SB-109-18_(18-20)	Soil	03/21/18 11:02
S88440.36	SB-110-18_(0-2)	Soil	03/21/18 12:00
S88440.37	SB-110-18_(2-4)	Soil	03/21/18 12:02
S88440.38	SB-110-18_(2-4) MS	Soil	03/21/18 12:02
S88440.39	SB-110-18_(2-4) MSD	Soil	03/21/18 12:02
S88440.40	SB-110-18_(4-6)	Soil	03/21/18 12:04
S88440.41	SB-110-18_(14-16)	Soil	03/21/18 12:06
S88440.42	SB-110-18_(16-18)	Soil	03/21/18 12:08
S88440.43	SB-111-18_(0-2)	Soil	03/21/18 14:12
S88440.44	SB-111-18_(2-4)	Soil	03/21/18 14:14
S88440.45	SB-111-18_(4-6)	Soil	03/21/18 14:16
S88440.46	SB-111-18_(6-8)	Soil	03/21/18 14:18
S88440.47	SB-111-18_(8-10)	Soil	03/21/18 14:20
S88440.48	SB-112-18_(0-2)	Soil	03/21/18 15:20
S88440.49	SB-112-18_(2-4)	Soil	03/21/18 15:22
S88440.50	SB-112-18_(4-6)	Soil	03/21/18 15:24
S88440.51	SB-112-18_(4-6) MS	Soil	03/21/18 15:24
S88440.52	SB-112-18_(4-6) MSD	Soil	03/21/18 15:24
S88440.53	SB-112-18_(6-8)	Soil	03/21/18 15:26



Analytical Laboratory Report

Revised Report

Sample Summary (continued)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S88440.54	SB-112-18_(8-10)	Soil	03/21/18 15:28
S88440.55	SB-112-18_(10-12)	Soil	03/21/18 15:30
S88440.56	SB-112-18_(12-14)	Soil	03/21/18 15:32
S88440.57	SB-112-18_(14-16)	Soil	03/21/18 15:34
S88440.58	SB-112-18_(16-18)	Soil	03/21/18 15:36
S88440.59	SB-112-18_(18-20)	Soil	03/21/18 15:38
S88440.60	SB-112-18_(20-22)	Soil	03/21/18 15:40
S88440.61	SB-112-18_(22-24)	Soil	03/21/18 15:42
S88440.62	SB-112-18_(24-25)	Soil	03/21/18 15:44
S88440.63	DUP-01	Soil	03/21/18 00:01
S88440.64	DUP-02	Soil	03/21/18 00:01
S88440.65	DUP-03	Soil	03/21/18 00:01
S88440.66	DUP-04	Soil	03/21/18 00:01
S88440.67	DUP-05	Soil	03/21/18 00:01
S88440.68	DUP-06	Soil	03/21/18 00:01
S88440.69	DUP-07	Soil	03/21/18 00:01
S88440.70	DUP-08	Soil	03/21/18 00:01
S88440.71	DUP-09	Soil	03/21/18 00:01
S88440.72	DUP-10	Soil	03/21/18 00:01
S88440.73	DUP-11	Soil	03/21/18 00:01



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.01

Sample Tag: SB-107-18_(0-2)

Collected Date/Time: 03/21/2018 09:00

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction / Prep.

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
-----------------	-----------	--	--	---------	----------------	-----	--	--

Inorganics

Total Solids*	88	%	1	SM2540B	03/23/18 14:05	JBL		
---------------	----	---	---	---------	----------------	-----	--	--

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 20:22	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 20:22	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 20:22	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 20:22	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 20:22	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 20:22	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 20:22	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.02

Sample Tag: SB-107-18_(2-4)

Collected Date/Time: 03/21/2018 09:02

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 20:33	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 20:33	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 20:33	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 20:33	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 20:33	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 20:33	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 20:33	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.03

Sample Tag: SB-107-18_(4-6)

Collected Date/Time: 03/21/2018 09:04

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	91	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 13:31	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 13:31	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 13:31	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 13:31	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 13:31	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 13:31	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 13:31	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.04

Sample Tag: SB-107-18_(4-6) MS

Collected Date/Time: 03/21/2018 09:04

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	50	ug/kg	330	SW8082A	03/27/18 13:48	JAN		V
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 13:48	JAN		V
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 13:48	JAN		V
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 13:48	JAN		V
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 13:48	JAN		V
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 13:48	JAN		V
PCB-1260	30	ug/kg	330	SW8082A	03/27/18 13:48	JAN		V

V-Accurate value not available due to presence of multiple aroclors



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.05

Sample Tag: SB-107-18_(4-6) MSD

Collected Date/Time: 03/21/2018 09:04

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	40	ug/kg	330	SW8082A	03/27/18 14:02	JAN		V
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 14:02	JAN		V
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 14:02	JAN		V
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 14:02	JAN		V
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 14:02	JAN		V
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 14:02	JAN		V
PCB-1260	30	ug/kg	330	SW8082A	03/27/18 14:02	JAN		V

V-Accurate value not available due to presence of multiple aroclors



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.06

Sample Tag: SB-107-18_(6-8)

Collected Date/Time: 03/21/2018 09:06

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 20:44	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 20:44	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 20:44	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 20:44	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 20:44	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 20:44	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 20:44	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.07

Sample Tag: SB-107-18_(8-10)

Collected Date/Time: 03/21/2018 09:08

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 20:13	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 20:13	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 20:13	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 20:13	JAN		
PCB-1248	1,700	ug/kg	330	SW8082A	03/28/18 20:13	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 20:13	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 20:13	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.08

Sample Tag: SB-107-18_(10-12)

Collected Date/Time: 03/21/2018 09:10

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/27/18 20:55	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/27/18 20:55	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/27/18 20:55	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/27/18 20:55	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/27/18 20:55	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/27/18 20:55	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/27/18 20:55	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.09

Sample Tag: SB-107-18_(12-14)

Collected Date/Time: 03/21/2018 09:12

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	87	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 19:40	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 19:40	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 19:40	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 19:40	JAN		
PCB-1248	1,000	ug/kg	330	SW8082A	03/28/18 19:40	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 19:40	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 19:40	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.10

Sample Tag: SB-107-18_(14-16)

Collected Date/Time: 03/21/2018 09:14

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	93	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	1,000	SW8082A	03/28/18 19:51	JAN		Y
PCB-1242	Not detected	ug/kg	1,000	SW8082A	03/28/18 19:51	JAN		Y
PCB-1221	Not detected	ug/kg	1,000	SW8082A	03/28/18 19:51	JAN		Y
PCB-1232	Not detected	ug/kg	1,000	SW8082A	03/28/18 19:51	JAN		Y
PCB-1248	6,000	ug/kg	1,000	SW8082A	03/28/18 19:51	JAN		Y
PCB-1254	Not detected	ug/kg	1,000	SW8082A	03/28/18 19:51	JAN		Y
PCB-1260	Not detected	ug/kg	1,000	SW8082A	03/28/18 19:51	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.11

Sample Tag: SB-107-18_(16-18)

Collected Date/Time: 03/21/2018 09:16

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	95	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	2,000	SW8082A	03/28/18 20:02	JAN		Y
PCB-1242	Not detected	ug/kg	2,000	SW8082A	03/28/18 20:02	JAN		Y
PCB-1221	Not detected	ug/kg	2,000	SW8082A	03/28/18 20:02	JAN		Y
PCB-1232	Not detected	ug/kg	2,000	SW8082A	03/28/18 20:02	JAN		Y
PCB-1248	5,400	ug/kg	2,000	SW8082A	03/28/18 20:02	JAN		Y
PCB-1254	Not detected	ug/kg	2,000	SW8082A	03/28/18 20:02	JAN		Y
PCB-1260	Not detected	ug/kg	2,000	SW8082A	03/28/18 20:02	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.12

Sample Tag: SB-107-18_(18-20)

Collected Date/Time: 03/21/2018 09:18

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	96	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	5,000	SW8082A	03/27/18 20:00	JAN		Y
PCB-1242	Not detected	ug/kg	5,000	SW8082A	03/27/18 20:00	JAN		Y
PCB-1221	Not detected	ug/kg	5,000	SW8082A	03/27/18 20:00	JAN		Y
PCB-1232	Not detected	ug/kg	5,000	SW8082A	03/27/18 20:00	JAN		Y
PCB-1248	15,000	ug/kg	5,000	SW8082A	03/27/18 20:00	JAN		Y
PCB-1254	Not detected	ug/kg	5,000	SW8082A	03/27/18 20:00	JAN		Y
PCB-1260	Not detected	ug/kg	5,000	SW8082A	03/27/18 20:00	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.13

Sample Tag: SB-107-18_(20-22)

Collected Date/Time: 03/21/2018 09:20

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/26/18 14:00	PLB		
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Inorganics

Total Solids*	93	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 20:25	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 20:25	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 20:25	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 20:25	JAN		
PCB-1248	700	ug/kg	330	SW8082A	03/28/18 20:25	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 20:25	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 20:25	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.14

Sample Tag: SB-107-18_(22-24)

Collected Date/Time: 03/21/2018 09:22

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	96	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 20:36	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 20:36	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 20:36	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 20:36	JAN		
PCB-1248	600	ug/kg	330	SW8082A	03/28/18 20:36	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 20:36	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 20:36	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.15

Sample Tag: SB-108-18_(0-2)

Collected Date/Time: 03/21/2018 09:40

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 00:48	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 00:48	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 00:48	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 00:48	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 00:48	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 00:48	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 00:48	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.16

Sample Tag: SB-108-18_(2-4)

Collected Date/Time: 03/21/2018 09:42

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 00:59	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 00:59	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 00:59	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 00:59	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 00:59	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 00:59	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 00:59	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.17

Sample Tag: SB-108-18_(4-6)

Collected Date/Time: 03/21/2018 09:44

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 18:44	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 18:44	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 18:44	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 18:44	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 18:44	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 18:44	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 18:44	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.18

Sample Tag: SB-108-18_(4-6) MS

Collected Date/Time: 03/21/2018 09:44

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	110	ug/kg	330	SW8082A	03/28/18 18:55	JAN		V
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 18:55	JAN		V
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 18:55	JAN		V
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 18:55	JAN		V
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 18:55	JAN		V
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 18:55	JAN		V
PCB-1260	100	ug/kg	330	SW8082A	03/28/18 18:55	JAN		V

V-Accurate value not available due to presence of multiple aroclors



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.19

Sample Tag: SB-108-18_(4-6) MSD

Collected Date/Time: 03/21/2018 09:44

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	170	ug/kg	330	SW8082A	03/28/18 19:07	JAN		V
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 19:07	JAN		V
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 19:07	JAN		V
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 19:07	JAN		V
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 19:07	JAN		V
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 19:07	JAN		V
PCB-1260	230	ug/kg	330	SW8082A	03/28/18 19:07	JAN		V

V-Accurate value not available due to presence of multiple aroclors



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.20

Sample Tag: SB-108-18_(6-8)

Collected Date/Time: 03/21/2018 09:46

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	84	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 01:10	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 01:10	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 01:10	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 01:10	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 01:10	JAN		
PCB-1254	500	ug/kg	330	SW8082A	03/28/18 01:10	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 01:10	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.21

Sample Tag: SB-108-18_(8-10)

Collected Date/Time: 03/21/2018 09:48

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 01:21	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 01:21	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 01:21	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 01:21	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 01:21	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 01:21	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 01:21	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.22

Sample Tag: SB-108-18_(10-12)

Collected Date/Time: 03/21/2018 09:50

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 01:32	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 01:32	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 01:32	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 01:32	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 01:32	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 01:32	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 01:32	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.23

Sample Tag: SB-108-18_(12-14)

Collected Date/Time: 03/21/2018 09:52

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 01:43	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 01:43	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 01:43	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 01:43	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 01:43	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 01:43	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 01:43	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.24

Sample Tag: SB-109-18_(0-2)

Collected Date/Time: 03/21/2018 10:44

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	87	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 01:54	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 01:54	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 01:54	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 01:54	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 01:54	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 01:54	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 01:54	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.25

Sample Tag: SB-109-18_(2-4)

Collected Date/Time: 03/21/2018 10:46

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	03/28/18 19:29	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	03/28/18 19:29	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	03/28/18 19:29	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	03/28/18 19:29	JAN		Y
PCB-1248	2,700	ug/kg	600	SW8082A	03/28/18 19:29	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	03/28/18 19:29	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	03/28/18 19:29	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.26

Sample Tag: SB-109-18_(4-6)

Collected Date/Time: 03/21/2018 10:48

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 02:38	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 02:38	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 02:38	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 02:38	JAN		
PCB-1248	1,900	ug/kg	330	SW8082A	03/28/18 02:38	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 02:38	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 02:38	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.27

Sample Tag: SB-109-18_(6-8)

Collected Date/Time: 03/21/2018 10:50

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	93	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 20:47	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 20:47	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 20:47	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 20:47	JAN		
PCB-1248	700	ug/kg	330	SW8082A	03/28/18 20:47	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 20:47	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 20:47	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.28

Sample Tag: SB-109-18_(8-10)

Collected Date/Time: 03/21/2018 10:52

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	93	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	500	SW8082A	03/28/18 19:18	JAN		Y
PCB-1242	Not detected	ug/kg	500	SW8082A	03/28/18 19:18	JAN		Y
PCB-1221	Not detected	ug/kg	500	SW8082A	03/28/18 19:18	JAN		Y
PCB-1232	Not detected	ug/kg	500	SW8082A	03/28/18 19:18	JAN		Y
PCB-1248	4,700	ug/kg	500	SW8082A	03/28/18 19:18	JAN		Y
PCB-1254	Not detected	ug/kg	500	SW8082A	03/28/18 19:18	JAN		Y
PCB-1260	Not detected	ug/kg	500	SW8082A	03/28/18 19:18	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.29

Sample Tag: SB-109-18_(10-12)

Collected Date/Time: 03/21/2018 10:54

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 20:58	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 20:58	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 20:58	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 20:58	JAN		
PCB-1248	1,700	ug/kg	330	SW8082A	03/28/18 20:58	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 20:58	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 20:58	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.30

Sample Tag: SB-109-18_(12-14)

Collected Date/Time: 03/21/2018 10:56

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 12:00	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 00:26	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 00:26	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 00:26	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 00:26	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 00:26	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 00:26	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 00:26	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.31

Sample Tag: SB-109-18_(14-16)

Collected Date/Time: 03/21/2018 10:58

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	94	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 16:58	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 16:58	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 16:58	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 16:58	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 16:58	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 16:58	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 16:58	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.32

Sample Tag: SB-109-18_(14-16) MS

Collected Date/Time: 03/21/2018 10:58

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	91	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	20	ug/kg	330	SW8082A	03/28/18 17:35	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 17:35	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 17:35	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 17:35	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 17:35	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 17:35	JAN		
PCB-1260	20	ug/kg	330	SW8082A	03/28/18 17:35	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.33

Sample Tag: SB-109-18_(14-16) MSD

Collected Date/Time: 03/21/2018 10:58

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	20	ug/kg	330	SW8082A	03/28/18 18:02	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 18:02	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 18:02	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 18:02	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 18:02	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 18:02	JAN		
PCB-1260	20	ug/kg	330	SW8082A	03/28/18 18:02	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.34

Sample Tag: SB-109-18_(16-18)

Collected Date/Time: 03/21/2018 11:00

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 02:05	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 02:05	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 02:05	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 02:05	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 02:05	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 02:05	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 02:05	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.35

Sample Tag: SB-109-18_(18-20)

Collected Date/Time: 03/21/2018 11:02

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 02:16	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 02:16	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 02:16	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 02:16	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 02:16	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 02:16	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 02:16	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.36

Sample Tag: SB-110-18_(0-2)

Collected Date/Time: 03/21/2018 12:00

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 18:35	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 18:35	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 18:35	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 18:35	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 18:35	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 18:35	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 18:35	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.37

Sample Tag: SB-110-18_(2-4)

Collected Date/Time: 03/21/2018 12:02

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	93	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/29/18 18:50	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/29/18 18:50	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/29/18 18:50	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/29/18 18:50	JAN		
PCB-1248	700	ug/kg	330	SW8082A	03/29/18 18:50	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/29/18 18:50	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/29/18 18:50	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.38

Sample Tag: SB-110-18_(2-4) MS

Collected Date/Time: 03/21/2018 12:02

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	93	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/29/18 19:01	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/29/18 19:01	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/29/18 19:01	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/29/18 19:01	JAN		
PCB-1248	900	ug/kg	330	SW8082A	03/29/18 19:01	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/29/18 19:01	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/29/18 19:01	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.39

Sample Tag: SB-110-18_(2-4) MSD

Collected Date/Time: 03/21/2018 12:02

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	03/23/18 14:05	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/29/18 19:13	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/29/18 19:13	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/29/18 19:13	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/29/18 19:13	JAN		
PCB-1248	800	ug/kg	330	SW8082A	03/29/18 19:13	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/29/18 19:13	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/29/18 19:13	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.40

Sample Tag: SB-110-18_(4-6)

Collected Date/Time: 03/21/2018 12:04

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 18:11	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 18:11	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 18:11	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 18:11	JAN		
PCB-1248	1,100	ug/kg	330	SW8082A	03/28/18 18:11	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 18:11	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 18:11	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.41

Sample Tag: SB-110-18_(14-16)

Collected Date/Time: 03/21/2018 12:06

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	82	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	03/28/18 17:38	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	03/28/18 17:38	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	03/28/18 17:38	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	03/28/18 17:38	JAN		Y
PCB-1248	16,000	ug/kg	6,000	SW8082A	03/28/18 17:38	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	03/28/18 17:38	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	03/28/18 17:38	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.42

Sample Tag: SB-110-18_(16-18)

Collected Date/Time: 03/21/2018 12:08

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 18:00	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 18:00	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 18:00	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 18:00	JAN		
PCB-1248	1,800	ug/kg	330	SW8082A	03/28/18 18:00	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 18:00	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 18:00	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.43

Sample Tag: SB-111-18_(0-2)

Collected Date/Time: 03/21/2018 14:12

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	87	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 19:20	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 19:20	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 19:20	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 19:20	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 19:20	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 19:20	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 19:20	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.44

Sample Tag: SB-111-18_(2-4)

Collected Date/Time: 03/21/2018 14:14

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 18:22	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 18:22	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 18:22	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 18:22	JAN		
PCB-1248	700	ug/kg	330	SW8082A	03/28/18 18:22	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 18:22	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 18:22	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.45

Sample Tag: SB-111-18_(4-6)

Collected Date/Time: 03/21/2018 14:16

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 19:31	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 19:31	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 19:31	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 19:31	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 19:31	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 19:31	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 19:31	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.46

Sample Tag: SB-111-18_(6-8)

Collected Date/Time: 03/21/2018 14:18

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	83	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	03/28/18 17:49	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	03/28/18 17:49	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	03/28/18 17:49	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	03/28/18 17:49	JAN		Y
PCB-1248	24,000	ug/kg	6,000	SW8082A	03/28/18 17:49	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	03/28/18 17:49	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	03/28/18 17:49	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.47

Sample Tag: SB-111-18_(8-10)

Collected Date/Time: 03/21/2018 14:20

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	87	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	11,000	SW8082A	03/28/18 18:33	JAN		Y
PCB-1242	Not detected	ug/kg	11,000	SW8082A	03/28/18 18:33	JAN		Y
PCB-1221	Not detected	ug/kg	11,000	SW8082A	03/28/18 18:33	JAN		Y
PCB-1232	Not detected	ug/kg	11,000	SW8082A	03/28/18 18:33	JAN		Y
PCB-1248	63,000	ug/kg	11,000	SW8082A	03/28/18 18:33	JAN		Y
PCB-1254	Not detected	ug/kg	11,000	SW8082A	03/28/18 18:33	JAN		Y
PCB-1260	Not detected	ug/kg	11,000	SW8082A	03/28/18 18:33	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.48

Sample Tag: SB-112-18_(0-2)

Collected Date/Time: 03/21/2018 15:20

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 19:42	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 19:42	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 19:42	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 19:42	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	03/28/18 19:42	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 19:42	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 19:42	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.49

Sample Tag: SB-112-18_(2-4)

Collected Date/Time: 03/21/2018 15:22

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	03/28/18 19:53	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	03/28/18 19:53	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	03/28/18 19:53	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	03/28/18 19:53	JAN		
PCB-1248	500	ug/kg	330	SW8082A	03/28/18 19:53	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	03/28/18 19:53	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	03/28/18 19:53	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.50

Sample Tag: SB-112-18_(4-6)

Collected Date/Time: 03/21/2018 15:24

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/27/18 16:00	PLB		
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Inorganics

Total Solids*	91	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 13:34	JAN		
PCB-1242	600	ug/kg	330	SW8082A	04/02/18 13:34	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 13:34	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 13:34	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 13:34	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 13:34	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 13:34	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.51

Sample Tag: SB-112-18_(4-6) MS

Collected Date/Time: 03/21/2018 15:24

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/30/18 14:00	PLB		
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Inorganics

Total Solids*	91	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 14:31	JAN		
PCB-1242	400	ug/kg	330	SW8082A	04/02/18 14:31	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 14:31	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 14:31	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 14:31	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 14:31	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 14:31	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.52

Sample Tag: SB-112-18_(4-6) MSD

Collected Date/Time: 03/21/2018 15:24

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/30/18 14:00	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 14:45	JAN		
PCB-1242	600	ug/kg	330	SW8082A	04/02/18 14:45	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 14:45	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 14:45	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 14:45	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 14:45	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 14:45	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.53

Sample Tag: SB-112-18_(6-8)

Collected Date/Time: 03/21/2018 15:26

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/30/18 14:00	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 16:17	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 16:17	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 16:17	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 16:17	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 16:17	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 16:17	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 16:17	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.54

Sample Tag: SB-112-18_(8-10)

Collected Date/Time: 03/21/2018 15:28

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/30/18 14:00	PLB		
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Inorganics

Total Solids*	80	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 15:00	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 15:00	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 15:00	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 15:00	JAN		
PCB-1248	1,500	ug/kg	330	SW8082A	04/02/18 15:00	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 15:00	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 15:00	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.55

Sample Tag: SB-112-18_(10-12)

Collected Date/Time: 03/21/2018 15:30

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/30/18 14:00	PLB		
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Inorganics

Total Solids*	77	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/03/18 17:20	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/03/18 17:20	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/03/18 17:20	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/03/18 17:20	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/03/18 17:20	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/03/18 17:20	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/03/18 17:20	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.56

Sample Tag: SB-112-18_(12-14)

Collected Date/Time: 03/21/2018 15:32

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/30/18 14:00	PLB		
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Inorganics

Total Solids*	93	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 16:28	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 16:28	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 16:28	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 16:28	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 16:28	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 16:28	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 16:28	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.57

Sample Tag: SB-112-18_(14-16)

Collected Date/Time: 03/21/2018 15:34

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/30/18 14:00	PLB		
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Inorganics

Total Solids*	96	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 16:39	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 16:39	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 16:39	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 16:39	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 16:39	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 16:39	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 16:39	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.58

Sample Tag: SB-112-18_(16-18)

Collected Date/Time: 03/21/2018 15:36

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/30/18 14:00	PLB		
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Inorganics

Total Solids*	95	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 16:50	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 16:50	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 16:50	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 16:50	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 16:50	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 16:50	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 16:50	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.59

Sample Tag: SB-112-18_(18-20)

Collected Date/Time: 03/21/2018 15:38

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/30/18 14:00	PLB		
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Inorganics

Total Solids*	96	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 17:01	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 17:01	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 17:01	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 17:01	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 17:01	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 17:01	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 17:01	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.60

Sample Tag: SB-112-18_(20-22)

Collected Date/Time: 03/21/2018 15:40

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/30/18 14:00	PLB		
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Inorganics

Total Solids*	97	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 17:12	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 17:12	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 17:12	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 17:12	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 17:12	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 17:12	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 17:12	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.61

Sample Tag: SB-112-18_(22-24)

Collected Date/Time: 03/21/2018 15:42

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/30/18 14:00	PLB		
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Inorganics

Total Solids*	95	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 17:23	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 17:23	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 17:23	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 17:23	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 17:23	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 17:23	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 17:23	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.62

Sample Tag: SB-112-18_(24-25)

Collected Date/Time: 03/21/2018 15:44

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB	Completed			SW3550C	03/30/18 14:00	PLB		
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Inorganics

Total Solids*	97	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 17:34	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 17:34	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 17:34	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 17:34	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 17:34	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 17:34	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 17:34	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.63

Sample Tag: DUP-01

Collected Date/Time: 03/21/2018 00:01

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 10:00	PLB		
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Inorganics

Total Solids*	92	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/03/18 17:55	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/03/18 17:55	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/03/18 17:55	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/03/18 17:55	JAN		
PCB-1248	2,100	ug/kg	330	SW8082A	04/03/18 17:55	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/03/18 17:55	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/03/18 17:55	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.64

Sample Tag: DUP-02

Collected Date/Time: 03/21/2018 00:01

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	94	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 17:27	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 17:27	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 17:27	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 17:27	JAN		
PCB-1248	400	ug/kg	330	SW8082A	04/02/18 17:27	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 17:27	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 17:27	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.65

Sample Tag: DUP-03

Collected Date/Time: 03/21/2018 00:01

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/03/18 19:57	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/03/18 19:57	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/03/18 19:57	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/03/18 19:57	JAN		
PCB-1248	400	ug/kg	330	SW8082A	04/03/18 19:57	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/03/18 19:57	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/03/18 19:57	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.66

Sample Tag: DUP-04

Collected Date/Time: 03/21/2018 00:01

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/03/18 17:42	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/03/18 17:42	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/03/18 17:42	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/03/18 17:42	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/03/18 17:42	JAN		
PCB-1254	600	ug/kg	330	SW8082A	04/03/18 17:42	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/03/18 17:42	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.67

Sample Tag: DUP-05

Collected Date/Time: 03/21/2018 00:01

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	94	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 17:51	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 17:51	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 17:51	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 17:51	JAN		
PCB-1248	500	ug/kg	330	SW8082A	04/02/18 17:51	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 17:51	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 17:51	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.68

Sample Tag: DUP-06

Collected Date/Time: 03/21/2018 00:01

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 18:02	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 18:02	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 18:02	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 18:02	JAN		
PCB-1248	600	ug/kg	330	SW8082A	04/02/18 18:02	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 18:02	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 18:02	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.69

Sample Tag: DUP-07

Collected Date/Time: 03/21/2018 00:01

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	82	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:32	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:32	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:32	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:32	JAN		Y
PCB-1248	16,000	ug/kg	6,000	SW8082A	04/03/18 17:32	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:32	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:32	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.70

Sample Tag: DUP-08

Collected Date/Time: 03/21/2018 00:01

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	95	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	2,000	SW8082A	04/03/18 18:06	JAN		Y
PCB-1242	Not detected	ug/kg	2,000	SW8082A	04/03/18 18:06	JAN		Y
PCB-1221	Not detected	ug/kg	2,000	SW8082A	04/03/18 18:06	JAN		Y
PCB-1232	Not detected	ug/kg	2,000	SW8082A	04/03/18 18:06	JAN		Y
PCB-1248	5,000	ug/kg	2,000	SW8082A	04/03/18 18:06	JAN		Y
PCB-1254	Not detected	ug/kg	2,000	SW8082A	04/03/18 18:06	JAN		Y
PCB-1260	Not detected	ug/kg	2,000	SW8082A	04/03/18 18:06	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.71

Sample Tag: DUP-09

Collected Date/Time: 03/21/2018 00:01

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	85	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	04/02/18 18:46	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	04/02/18 18:46	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	04/02/18 18:46	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	04/02/18 18:46	JAN		Y
PCB-1248	25,000	ug/kg	6,000	SW8082A	04/02/18 18:46	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	04/02/18 18:46	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	04/02/18 18:46	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.72

Sample Tag: DUP-10

Collected Date/Time: 03/21/2018 00:01

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	75	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/03/18 17:53	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/03/18 17:53	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/03/18 17:53	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/03/18 17:53	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/03/18 17:53	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/03/18 17:53	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/03/18 17:53	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88440.73

Sample Tag: DUP-11

Collected Date/Time: 03/21/2018 00:01

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.8	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	97	%	1	SM2540B	03/23/18 14:35	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 18:13	JAN		
PCB-1242	400	ug/kg	330	SW8082A	04/02/18 18:13	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 18:13	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 18:13	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 18:13	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 18:13	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 18:13	JAN		

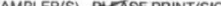
REPORT TO

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. B0064607.2018	
E-MAIL ADDRESS						Theresa.Olechiw@arcadis.com; Brad.Saunders@ar	
						QUOTE NO.	

CHAIN OF CUSTODY RECORD

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 accounts payable.administration@arcadis-us.com			

INVOICE TO

PROJECT NO./NAME PNC RACER	SAMPLER(S) - PLEASE PRINT SIGNATURE  Kaitlyn Voet
TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER _____	
DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☒ EDD ☐ OTHER _____	

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

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

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											☒ Other Pontiac, MI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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8846.01	3/21	0900	SB-107-18-(0-2)	S		X							Y																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</

RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>[Signature]</i>	☒ Sampler	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	NOVI COLD STORAGE		3/21/18	1900
RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>[Signature]</i> M. Humphrey		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	<i>[Signature]</i>		3-22-18	1120

RELINQUISHED BY: SIGNATURE/ORGANIZATION			DATE May 3-21-18		TIME
RECEIVED BY: SIGNATURE/ORGANIZATION			DATE 3/24/18		TIME 1415
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES:	TEMP. ON ARRIVAL	
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	3.8		



2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 2 OF 6

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. B0064607.2018	
E-MAIL ADDRESS Theresa.Olechiw@arcadis.com; Brad.Saunders@ar		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 accountspayable.administration@arcadis-us.com		

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME PNC RACER SAMPLER(S) - PLEASE PRINT/SIGN NAME Kaitlyn Voet

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☒ EDD ☐ OTHER

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

Containers & Preservatives

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 ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES Project Locations ☐ Detroit ☐ New York ☒ Other Pontiac, MI Special Instructions
	DATE	TIME																						
88440.15	3/21	0940	SB-108-18-(0-2)	S		X							1											
.16		0942	SB-108-18-(2-4)	S		X							1											
171.8.19		0944	SB-108-18-(4-6)	S		X							3											MS/MSD
.20		0946	SB-108-18-(6-8)	S		X							1											
.21		0948	SB-108-18-(8-10)	S		X							1											
.22		0950	SB-108-18-(10-12)	S		X							1											
.23		0952	SB-108-18-(12-14)	S		X							1											
.24		1044	SB-109-18-(0-2)	S		X							1											
.25		1046	SB-109-18-(2-4)	S		X							1											
.26		1048	SB-109-18-(4-6)	S		X							1											
.27		1050	SB-109-18-(6-8)	S		X							1											
.28	✓	1052	SB-109-18-(8-10)	S		X							1											

RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>Kaitlyn Voet</i>	☒ Sampler	DATE 3/21/18	TIME 1900
RECEIVED BY: SIGNATURE/ORGANIZATION	NCS		DATE 3/21/18	TIME 1900
RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>M. Chilton</i>		DATE 3/22/18	TIME 1415
RECEIVED BY: SIGNATURE/ORGANIZATION	<i>M. Chilton</i>		DATE 3/22/18	TIME 1415

RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>M. Chilton</i>	DATE 3/22/18	TIME 1415
RECEIVED BY: SIGNATURE/ORGANIZATION	<i>M. Chilton</i>	DATE 3/22/18	TIME 1415
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES:
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	TEMP. ON ARRIVAL 3.8

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

REPORT 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.			B0064607.2018
E-MAIL ADDRESS						QUOTE NO.			
Theresa.Olechiw@arcadis.com; Brad.Saunders@ar									

CHAIN OF CUSTODY RECORD

INVOICE TO

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			
		accountspayable.administration@arcadis-us.com			

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME	PNC RACER	SAMPLER(S) - PLEASE PRINT/SIGN NAME	Keithlyn Vee
------------------	-----------	-------------------------------------	--------------

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER _____

DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☒ EDD ☐ OTHER _____

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

Containers & Preservatives

Certifications

☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations

☐ Detroit ☐ New York
☒ Other Pontiac, MI

Special Instructions

[illegible]

RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>Keep Vet</i>	☒ sampler	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	<i>NCS</i>		3/21/18	1900
RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>M Humphrey</i>		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	<i>M Humphrey</i>		3-22-18	1120
			DATE	TIME
			3-23-18	1700

RELINQUISHED BY: SIGNATURE/ORGANIZATION			DATE Mo 3-27-18		TIME
RECEIVED BY: SIGNATURE/ORGANIZATION			DATE 3/22/18		TIME 1415
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES:	TEMP. ON ARRIVAL	
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	3.8		

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C.O.C. PAGE # 4 OF 6

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. B0064607.2018
E-MAIL ADDRESS Theresa.Olechiw@arcadis.com; Brad.Saunders@ar 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 accountspayable.administration@arcadis-us.com

PROJECT NO./NAME PNC RACER SAMPLER(S) - PLEASE PRINT/SIGN NAME Kaitlyn Voet
TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER
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

MERIT LAB NO. FOR LAB USE ONLY	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	Preservatives									
	DATE	TIME				NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER			
88440.45	3/21	1416	SB-111-18-(4-6)	S		X									
46		1418	SB-111-18-(6-8)	S		X									
47		1420	SB-111-18-(8-10)	S		X									
48		1520	SB-112-18-(0-2)	S		X									
49		1522	SB-112-18-(2-4)	S		X									
50/51/52		1524	SB-112-18-(4-6)	S		X									
53		1526	SB-112-18-(6-8)	S		X									
54		1528	SB-112-18-(8-10)	S		X									
55		1530	SB-112-18-(10-12)	S		X									
56		1532	SB-112-18-(12-14)	S		X									
57		1534	SB-112-18-(14-16)	S		X									
58	✓	1536	SB-112-18-(16-18)	S		X									

PCBs (8082)

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

MS/MSD

RELINQUISHED BY: *Kaitlyn Voet* ☒ Sampler DATE 3/21/18 TIME 1900
SIGNATURE/ORGANIZATION NCS
RECEIVED BY: *M. Humphrey* DATE 3/22/18 TIME 1120
SIGNATURE/ORGANIZATION *M. Humphrey*

RELINQUISHED BY: *Debra M. Chilcote* DATE 3-22-18 TIME 1415
SIGNATURE/ORGANIZATION *Debra M. Chilcote*
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
NOTES: TEMP. ON ARRIVAL 3.8

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

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. B0064607.2018
E-MAIL ADDRESS Theresa.Olechiw@arcadis.com; Brad.Saunders@ar 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 accountspayable.administration@arcadis-us.com

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME PNC RACER SAMPLER(S) - PLEASE PRINT/SIGN NAME Kaitlyn Voet

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☒ EDD ☐ OTHER

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

MERIT LAB NO. FOR LAB USE ONLY	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives									
	DATE	TIME				NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER			
88440.59	3/21	1538	SB-112-18-(18-20)	S		X									
.60		1540	SB-112-18-(20-22)	S		X									
.61		1542	SB-112-18-(22-24)	S		X									
.62		1544	SB-112-18-(24-25)	S		X									
.63		—	DUP-01	S		X									
.64		—	DUP-02	S		X									
.65		—	DUP-03	S		X									
.66		—	DUP-04	S		X									
.67		—	DUP-05	S		X									
.68		—	DUP-06	S		X									
.69		—	DUP-07	S		X									
.70	✓	—	DUP-08	S		X									

PCBs (8082)

Certifications

☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations

☐ Detroit ☐ New York

☒ Other Pontiac, MI

Special Instructions

RELINQUISHED BY: *Kaitlyn Voet* X Sampler DATE 3/21/18 TIME 1900
SIGNATURE/ORGANIZATION
RECEIVED BY: NCS DATE 3/21/18 TIME 1900
SIGNATURE/ORGANIZATION
RELINQUISHED BY: *M. Humphrey* DATE 3-22-18 TIME 11:20
SIGNATURE/ORGANIZATION
RECEIVED BY: *[Signature]* DATE 3-22-18 TIME 11:20
SIGNATURE/ORGANIZATION

RELINQUISHED BY: *[Signature]* DATE 3-22-18 TIME 1415
SIGNATURE/ORGANIZATION
RECEIVED BY: *M. Chilcote* DATE 3/22/18 TIME 1415
SIGNATURE/ORGANIZATION
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
NOTES: TEMP. ON ARRIVAL 3.8

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C.O.C. PAGE # 6 OF 6

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. B0064607.2018
E-MAIL ADDRESS Theresa.Olechiw@arcadis.com; Brad.Saunders@ar QUOTE NO.

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COMPANY Arcadis
ADDRESS 630 Plaza Drive Suite 600
CITY Highlands Ranch STATE CO ZIP CODE 80129
PHONE NO. E-MAIL ADDRESS accountspayable.administration@arcadis-us.com

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME PNC RACER SAMPLER(S) PLEASE PRINT/SIGN NAME Kaitlyn Voet

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☒ EDD ☐ OTHER

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

MERIT LAB NO. FOR LAB USE ONLY	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives									
	DATE	TIME				NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER			
88446.71	3/21	—	DUP-09	S		X									
72	↓	—	DUP-10	S		X									
73	↓	—	DUP-11	S		X									
				S		X									
				S		X									
				S		X									
				S		X									
				S		X									
				S		X									
				S		X									
				S		X									
				S		X									
				S		X									

PCBs (8082)

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

RELINQUISHED BY: *Kaitlyn Voet* ☒ Sampler DATE 3/21/18 TIME 1900
RECEIVED BY: *N.C.S.* DATE 3/21/18 TIME 1900
RELINQUISHED BY: *M. Humphrey* DATE 3/22/18 TIME 1415
RECEIVED BY: *M. Humphrey* DATE 3/22/18 TIME 1415

RELINQUISHED BY: *[Signature]* DATE 3/22/18 TIME 1415
RECEIVED BY: *[Signature]* DATE 3/22/18 TIME 1415
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
NOTES: TEMP. ON ARRIVAL 3.8

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



Analytical Laboratory Report

Revised Report

Report ID: S88491.01(02)
Generated on 05/02/2018
Replaces report S88491.01(01) generated on 04/04/2018

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, Brad Saunders

Report produced by

Merit Laboratories, Inc.
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East Lansing, MI 48823

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

Report Summary

Lab Sample ID(s): S88491.01-S88491.37
Project: PNC Racer
Collected Date: 03/22/2018
Submitted Date/Time: 03/23/2018 15:45
Sampled by: Kaitlyn Voet
P.O. #: B0064607.2018

Table of Contents

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Maya Murshak
Technical Director



Analytical Laboratory Report

Revised 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

PCB Extraction method reference updated to 3546 for samples .01-.37



Analytical Laboratory Report

Revised 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
LN	Linear
BR	Branched



Analytical Laboratory Report

Revised Report

Method Summary

Method	Version
SM2540B	Standard Method 2540 B 2011
SW3546	SW 846 Method 3546 Revision 0 February 2007
SW8082A	SW 846 Method 8082A Revision 1 February 2007



Analytical Laboratory Report

Revised Report

Sample Summary (37 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S88491.01	SB-113-18_(0-2)	Soil	03/22/18 09:20
S88491.02	SB-113-18_(2-4)	Soil	03/22/18 09:22
S88491.03	SB-113-18_(4-6)	Soil	03/22/18 09:24
S88491.04	SB-113-18_(6-8)	Soil	03/22/18 09:26
S88491.05	SB-113-18_(8-10)	Soil	03/22/18 09:28
S88491.06	SB-113-18_(10-12)	Soil	03/22/18 09:30
S88491.07	SB-113-18_(12-14)	Soil	03/22/18 09:32
S88491.08	SB-113-18_(14-16)	Soil	03/22/18 09:34
S88491.09	SB-113-18_(16-18)	Soil	03/22/18 09:36
S88491.10	SB-113-18_(18-20)	Soil	03/22/18 09:38
S88491.11	SB-114-18_(0-2)	Soil	03/22/18 10:48
S88491.12	SB-114-18_(2-4)	Soil	03/22/18 10:50
S88491.13	SB-114-18_(4-6)	Soil	03/22/18 10:52
S88491.14	SB-114-18_(6-8)	Soil	03/22/18 10:54
S88491.15	SB-114-18_(6-8) MS	Soil	03/22/18 10:54
S88491.16	SB-114-18_(6-8) MSD	Soil	03/22/18 10:54
S88491.17	SB-114-18_(8-10)	Soil	03/22/18 10:56
S88491.18	SB-114-18_(10-12)	Soil	03/22/18 10:58
S88491.19	SB-114-18_(12-14)	Soil	03/22/18 11:00
S88491.20	SB-114-18_(14-16)	Soil	03/22/18 11:02
S88491.21	SB-114-18_(16-18)	Soil	03/22/18 11:04
S88491.22	SB-114-18_(18-20)	Soil	03/22/18 11:06
S88491.23	SB-114-18_(20-22)	Soil	03/22/18 11:08
S88491.24	SB-114-18_(22-24)	Soil	03/22/18 11:10
S88491.25	SB-115-18_(0-2)	Soil	03/22/18 12:50
S88491.26	SB-115-18_(2-4)	Soil	03/22/18 12:52
S88491.27	SB-115-18_(4-6)	Soil	03/22/18 12:54
S88491.28	SB-115-18_(6-8)	Soil	03/22/18 12:56
S88491.29	SB-115-18_(10-12)	Soil	03/22/18 12:58
S88491.30	SB-115-18_(12-14)	Soil	03/22/18 13:00
S88491.31	SB-115-18_(14-16)	Soil	03/22/18 13:02
S88491.32	SB-115-18_(16-18)	Soil	03/22/18 13:04
S88491.33	SB-115-18_(18-20)	Soil	03/22/18 13:06
S88491.34	SB-115-18_(20-22)	Soil	03/22/18 13:08
S88491.35	DUP-12	Soil	03/22/18 00:01
S88491.36	DUP-13	Soil	03/22/18 00:01
S88491.37	DUP-14	Soil	03/22/18 00:01



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.01

Sample Tag: SB-113-18_(0-2)

Collected Date/Time: 03/22/2018 09:20

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction / Prep.

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	03/26/18 13:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 18:24	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 18:24	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 18:24	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 18:24	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 18:24	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 18:24	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 18:24	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.02

Sample Tag: SB-113-18_(2-4)

Collected Date/Time: 03/22/2018 09:22

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction / Prep.

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
------------------	-----------	--	--	--------	----------------	-----	--	--

Inorganics

Total Solids*	92	%	1	SM2540B	03/26/18 13:40	JBL		
---------------	----	---	---	---------	----------------	-----	--	--

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 19:20	JAN		
PCB-1242	800	ug/kg	330	SW8082A	04/02/18 19:20	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 19:20	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 19:20	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 19:20	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 19:20	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 19:20	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.03

Sample Tag: SB-113-18_(4-6)

Collected Date/Time: 03/22/2018 09:24

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction / Prep.

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
------------------	-----------	--	--	--------	----------------	-----	--	--

Inorganics

Total Solids*	91	%	1	SM2540B	03/26/18 13:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 18:57	JAN		
PCB-1242	500	ug/kg	330	SW8082A	04/02/18 18:57	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 18:57	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 18:57	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 18:57	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 18:57	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 18:57	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.04

Sample Tag: SB-113-18_(6-8)

Collected Date/Time: 03/22/2018 09:26

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	93	%	1	SM2540B	03/26/18 13:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/03/18 19:35	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/03/18 19:35	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/03/18 19:35	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/03/18 19:35	JAN		
PCB-1248	500	ug/kg	330	SW8082A	04/03/18 19:35	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/03/18 19:35	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/03/18 19:35	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.05

Sample Tag: SB-113-18_(8-10)

Collected Date/Time: 03/22/2018 09:28

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	87	%	1	SM2540B	03/26/18 13:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/03/18 16:25	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/03/18 16:25	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/03/18 16:25	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/03/18 16:25	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/03/18 16:25	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/03/18 16:25	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/03/18 16:25	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.06

Sample Tag: SB-113-18_(10-12)

Collected Date/Time: 03/22/2018 09:30

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/26/18 13:40	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/03/18 19:46	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/03/18 19:46	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/03/18 19:46	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/03/18 19:46	JAN		
PCB-1248	600	ug/kg	330	SW8082A	04/03/18 19:46	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/03/18 19:46	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/03/18 19:46	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.07

Sample Tag: SB-113-18_(12-14)

Collected Date/Time: 03/22/2018 09:32

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/03/18 16:47	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/03/18 16:47	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/03/18 16:47	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/03/18 16:47	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/03/18 16:47	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/03/18 16:47	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/03/18 16:47	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.08

Sample Tag: SB-113-18_(14-16)

Collected Date/Time: 03/22/2018 09:34

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	84	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/03/18 18:04	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/03/18 18:04	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/03/18 18:04	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/03/18 18:04	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/03/18 18:04	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/03/18 18:04	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/03/18 18:04	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.09

Sample Tag: SB-113-18_(16-18)

Collected Date/Time: 03/22/2018 09:36

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/03/18 18:15	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/03/18 18:15	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/03/18 18:15	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/03/18 18:15	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/03/18 18:15	JAN		
PCB-1254	400	ug/kg	330	SW8082A	04/03/18 18:15	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/03/18 18:15	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.10

Sample Tag: SB-113-18_(18-20)

Collected Date/Time: 03/22/2018 09:38

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	95	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/03/18 16:58	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/03/18 16:58	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/03/18 16:58	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/03/18 16:58	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/03/18 16:58	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/03/18 16:58	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/03/18 16:58	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.11

Sample Tag: SB-114-18_(0-2)

Collected Date/Time: 03/22/2018 10:48

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 19:31	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 19:31	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 19:31	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 19:31	JAN		
PCB-1248	800	ug/kg	330	SW8082A	04/02/18 19:31	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 19:31	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 19:31	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.12

Sample Tag: SB-114-18_(2-4)

Collected Date/Time: 03/22/2018 10:50

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	88	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 19:42	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 19:42	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 19:42	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 19:42	JAN		
PCB-1248	900	ug/kg	330	SW8082A	04/02/18 19:42	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 19:42	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 19:42	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.13

Sample Tag: SB-114-18_(4-6)

Collected Date/Time: 03/22/2018 10:52

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	87	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 19:53	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 19:53	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 19:53	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 19:53	JAN		
PCB-1248	1,200	ug/kg	330	SW8082A	04/02/18 19:53	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 19:53	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 19:53	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.14

Sample Tag: SB-114-18_(6-8)

Collected Date/Time: 03/22/2018 10:54

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	95	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 20:15	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 20:15	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 20:15	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 20:15	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/02/18 20:15	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 20:15	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 20:15	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.15

Sample Tag: SB-114-18_(6-8) MS

Collected Date/Time: 03/22/2018 10:54

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	93	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 20:27	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 20:27	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 20:27	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 20:27	JAN		
PCB-1248	260	ug/kg	330	SW8082A	04/02/18 20:27	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 20:27	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 20:27	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.16

Sample Tag: SB-114-18_(6-8) MSD

Collected Date/Time: 03/22/2018 10:54

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	94	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 20:39	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 20:39	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 20:39	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 20:39	JAN		
PCB-1248	150	ug/kg	330	SW8082A	04/02/18 20:39	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 20:39	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 20:39	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.17

Sample Tag: SB-114-18_(8-10)

Collected Date/Time: 03/22/2018 10:56

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	3,000	SW8082A	04/03/18 18:17	JAN		Y
PCB-1242	Not detected	ug/kg	3,000	SW8082A	04/03/18 18:17	JAN		Y
PCB-1221	Not detected	ug/kg	3,000	SW8082A	04/03/18 18:17	JAN		Y
PCB-1232	Not detected	ug/kg	3,000	SW8082A	04/03/18 18:17	JAN		Y
PCB-1248	13,000	ug/kg	3,000	SW8082A	04/03/18 18:17	JAN		Y
PCB-1254	Not detected	ug/kg	3,000	SW8082A	04/03/18 18:17	JAN		Y
PCB-1260	Not detected	ug/kg	3,000	SW8082A	04/03/18 18:17	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.18

Sample Tag: SB-114-18_(10-12)

Collected Date/Time: 03/22/2018 10:58

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	3,000	SW8082A	04/03/18 18:28	JAN		Y
PCB-1242	Not detected	ug/kg	3,000	SW8082A	04/03/18 18:28	JAN		Y
PCB-1221	Not detected	ug/kg	3,000	SW8082A	04/03/18 18:28	JAN		Y
PCB-1232	Not detected	ug/kg	3,000	SW8082A	04/03/18 18:28	JAN		Y
PCB-1248	11,000	ug/kg	3,000	SW8082A	04/03/18 18:28	JAN		Y
PCB-1254	Not detected	ug/kg	3,000	SW8082A	04/03/18 18:28	JAN		Y
PCB-1260	Not detected	ug/kg	3,000	SW8082A	04/03/18 18:28	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.19

Sample Tag: SB-114-18_(12-14)

Collected Date/Time: 03/22/2018 11:00

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:44	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:44	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:44	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:44	JAN		Y
PCB-1248	15,000	ug/kg	6,000	SW8082A	04/03/18 17:44	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:44	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:44	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.20

Sample Tag: SB-114-18_(14-16)

Collected Date/Time: 03/22/2018 11:02

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	82	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:10	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:10	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:10	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:10	JAN		Y
PCB-1248	28,000	ug/kg	6,000	SW8082A	04/03/18 17:10	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:10	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:10	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.21

Sample Tag: SB-114-18_(16-18)

Collected Date/Time: 03/22/2018 11:04

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	81	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:21	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:21	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:21	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:21	JAN		Y
PCB-1248	16,000	ug/kg	6,000	SW8082A	04/03/18 17:21	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:21	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	04/03/18 17:21	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.22

Sample Tag: SB-114-18_(18-20)

Collected Date/Time: 03/22/2018 11:06

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	93	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/03/18 17:09	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/03/18 17:09	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/03/18 17:09	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/03/18 17:09	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/03/18 17:09	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/03/18 17:09	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/03/18 17:09	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.23

Sample Tag: SB-114-18_(20-22)

Collected Date/Time: 03/22/2018 11:08

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 19:09	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 19:09	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 19:09	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 19:09	JAN		
PCB-1248	1,300	ug/kg	330	SW8082A	04/02/18 19:09	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 19:09	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 19:09	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.24

Sample Tag: SB-114-18_(22-24)

Collected Date/Time: 03/22/2018 11:10

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	04/02/18 18:35	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	04/02/18 18:35	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	04/02/18 18:35	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	04/02/18 18:35	JAN		Y
PCB-1248	15,000	ug/kg	6,000	SW8082A	04/02/18 18:35	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	04/02/18 18:35	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	04/02/18 18:35	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.25

Sample Tag: SB-115-18_(0-2)

Collected Date/Time: 03/22/2018 12:50

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	86	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/03/18 18:26	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/03/18 18:26	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/03/18 18:26	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/03/18 18:26	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/03/18 18:26	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/03/18 18:26	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/03/18 18:26	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.26

Sample Tag: SB-115-18_(2-4)

Collected Date/Time: 03/22/2018 12:52

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/02/18 17:00	PLB		
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Inorganics

Total Solids*	90	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/02/18 20:04	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/02/18 20:04	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/02/18 20:04	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/02/18 20:04	JAN		
PCB-1248	1,100	ug/kg	330	SW8082A	04/02/18 20:04	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/02/18 20:04	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/02/18 20:04	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.27

Sample Tag: SB-115-18_(4-6)

Collected Date/Time: 03/22/2018 12:54

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/03/18 16:00	PLB		
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Inorganics

Total Solids*	83	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	600	SW8082A	04/04/18 14:50	JAN		Y
PCB-1242	Not detected	ug/kg	600	SW8082A	04/04/18 14:50	JAN		Y
PCB-1221	Not detected	ug/kg	600	SW8082A	04/04/18 14:50	JAN		Y
PCB-1232	Not detected	ug/kg	600	SW8082A	04/04/18 14:50	JAN		Y
PCB-1248	5,000	ug/kg	600	SW8082A	04/04/18 14:50	JAN		Y
PCB-1254	Not detected	ug/kg	600	SW8082A	04/04/18 14:50	JAN		Y
PCB-1260	Not detected	ug/kg	600	SW8082A	04/04/18 14:50	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.28

Sample Tag: SB-115-18_(6-8)

Collected Date/Time: 03/22/2018 12:56

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/03/18 16:00	PLB		
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Inorganics

Total Solids*	89	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/04/18 15:38	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/04/18 15:38	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/04/18 15:38	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/04/18 15:38	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/04/18 15:38	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/04/18 15:38	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/04/18 15:38	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.29

Sample Tag: SB-115-18_(10-12)

Collected Date/Time: 03/22/2018 12:58

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/03/18 16:00	PLB		
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Inorganics

Total Solids*	96	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/04/18 15:49	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/04/18 15:49	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/04/18 15:49	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/04/18 15:49	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/04/18 15:49	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/04/18 15:49	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/04/18 15:49	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.30

Sample Tag: SB-115-18_(12-14)

Collected Date/Time: 03/22/2018 13:00

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/03/18 16:00	PLB		
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Inorganics

Total Solids*	93	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/04/18 16:00	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/04/18 16:00	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/04/18 16:00	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/04/18 16:00	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/04/18 16:00	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/04/18 16:00	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/04/18 16:00	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.31

Sample Tag: SB-115-18_(14-16)

Collected Date/Time: 03/22/2018 13:02

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/03/18 16:00	PLB		
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Inorganics

Total Solids*	93	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/04/18 16:12	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/04/18 16:12	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/04/18 16:12	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/04/18 16:12	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/04/18 16:12	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/04/18 16:12	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/04/18 16:12	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.32

Sample Tag: SB-115-18_(16-18)

Collected Date/Time: 03/22/2018 13:04

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/03/18 16:00	PLB		
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Inorganics

Total Solids*	95	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/04/18 16:23	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/04/18 16:23	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/04/18 16:23	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/04/18 16:23	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/04/18 16:23	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/04/18 16:23	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/04/18 16:23	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.33

Sample Tag: SB-115-18_(18-20)

Collected Date/Time: 03/22/2018 13:06

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction, PCB*	Completed			SW3546	04/03/18 16:00	PLB		
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Inorganics

Total Solids*	95	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/04/18 16:34	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/04/18 16:34	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/04/18 16:34	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/04/18 16:34	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/04/18 16:34	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/04/18 16:34	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/04/18 16:34	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.34

Sample Tag: SB-115-18_(20-22)

Collected Date/Time: 03/22/2018 13:08

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction / Prep.

Extraction, PCB*	Completed			SW3546	04/03/18 16:00	PLB		
------------------	-----------	--	--	--------	----------------	-----	--	--

Inorganics

Total Solids*	92	%	1	SM2540B	03/26/18 14:00	JBL		
---------------	----	---	---	---------	----------------	-----	--	--

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/04/18 16:45	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/04/18 16:45	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/04/18 16:45	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/04/18 16:45	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/04/18 16:45	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/04/18 16:45	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/04/18 16:45	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.35

Sample Tag: DUP-12

Collected Date/Time: 03/22/2018 00:01

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction / Prep.

Extraction, PCB*	Completed			SW3546	04/03/18 16:00	PLB		
------------------	-----------	--	--	--------	----------------	-----	--	--

Inorganics

Total Solids*	84	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/04/18 15:21	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/04/18 15:21	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/04/18 15:21	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/04/18 15:21	JAN		
PCB-1248	900	ug/kg	330	SW8082A	04/04/18 15:21	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/04/18 15:21	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/04/18 15:21	JAN		



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.36

Sample Tag: DUP-13

Collected Date/Time: 03/22/2018 00:01

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction / Prep.

Extraction, PCB*	Completed			SW3546	04/03/18 16:00	PLB		
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Inorganics

Total Solids*	80	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	6,000	SW8082A	04/04/18 14:36	JAN		Y
PCB-1242	Not detected	ug/kg	6,000	SW8082A	04/04/18 14:36	JAN		Y
PCB-1221	Not detected	ug/kg	6,000	SW8082A	04/04/18 14:36	JAN		Y
PCB-1232	Not detected	ug/kg	6,000	SW8082A	04/04/18 14:36	JAN		Y
PCB-1248	19,000	ug/kg	6,000	SW8082A	04/04/18 14:36	JAN		Y
PCB-1254	Not detected	ug/kg	6,000	SW8082A	04/04/18 14:36	JAN		Y
PCB-1260	Not detected	ug/kg	6,000	SW8082A	04/04/18 14:36	JAN		Y

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Revised Report

Lab Sample ID: S88491.37

Sample Tag: DUP-14

Collected Date/Time: 03/22/2018 00:01

Matrix: Soil

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	5.2	IR

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

Extraction / Prep.

Extraction, PCB*	Completed			SW3546	04/03/18 16:00	PLB		
------------------	-----------	--	--	--------	----------------	-----	--	--

Inorganics

Total Solids*	95	%	1	SM2540B	03/26/18 14:00	JBL		
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Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	04/04/18 16:56	JAN		
PCB-1242	Not detected	ug/kg	330	SW8082A	04/04/18 16:56	JAN		
PCB-1221	Not detected	ug/kg	330	SW8082A	04/04/18 16:56	JAN		
PCB-1232	Not detected	ug/kg	330	SW8082A	04/04/18 16:56	JAN		
PCB-1248	Not detected	ug/kg	330	SW8082A	04/04/18 16:56	JAN		
PCB-1254	Not detected	ug/kg	330	SW8082A	04/04/18 16:56	JAN		
PCB-1260	Not detected	ug/kg	330	SW8082A	04/04/18 16:56	JAN		

REPORT 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.		
						B0064607.2018		
E-MAIL ADDRESS						QUOTE NO.		
Theresa.Olechiw@arcadis.com; Brad.Saunders@ar								

CHAIN OF CUSTODY RECORD

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			
		accountspayable.administration@arcadis-us.com			

INVOICE TO

PROJECT NO./NAME	PNC RACER	SAMPLER(S) - PLEASE PRINT/SIGN NAME	Kaitlyn Voet
------------------	-----------	-------------------------------------	--------------

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER _____

DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☒ EDD ☐ OTHER _____

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

Containers & Preservatives

Certifications	
-----------------------	--

☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations

☐ Detroit ☐ New York☒ Other Pontiac, MI

Special Instructions

[illegible]

RELINQUISHED BY:	<i>Kathryn West</i>	☒ Sampler	DATE	TIME
SIGNATURE/ORGANIZATION			3/22/18	1900
RECEIVED BY:	<i>Novi Cold Storage</i>		DATE	TIME
SIGNATURE/ORGANIZATION			3/22/18	1900
RELINQUISHED BY:	<i>ML Cranes</i>		DATE	TIME
SIGNATURE/ORGANIZATION			3/23/18	1211
RECEIVED BY:	<i>[Signature]</i>		DATE	TIME
SIGNATURE/ORGANIZATION			3-23-18	1215

RELINQUISHED BY:		DATE		TIME	
SIGNATURE/ORGANIZATION		7-23-18			
RECEIVED BY:		DATE		TIME	
SIGNATURE/ORGANIZATION		3/23/18		1545	
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES:	TEMP. ON ARRIVAL	
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS		6.2	

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 # 2 OF 3

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. B0064607.2018
E-MAIL ADDRESS Theresa.Olechiw@arcadis.com; Brad.Saunders@ar 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 accountspayable.administration@arcadis-us.com

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME PNC RACER SAMPLER(S) PLEASE PRINT/SIGN NAME Kaitlyn Voet

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

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. FOR LAB USE ONLY	YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER
58491.13	3/22	1052	SB-114-18-(4-6)	S		X						
14/15/16		1054	SB-114-18-(6-8)	S		X						
17		1056	SB-114-18-(8-10)	S		X						
18		1058	SB-114-18-(10-12)	S		X						
19		1100	SB-114-18-(12-14)	S		X						
20		1102	SB-114-18-(14-16)	S		X						
21		1104	SB-114-18-(16-18)	S		X						
22		1106	SB-114-18-(18-20)	S		X						
23		1108	SB-114-18-(20-22)	S		X						
24		1110	SB-114-18-(22-24)	S		X						
25		1250	SB-115-18-(0-2)	S		X						
26		1252	SB-115-18-(2-4)	S		X						

PCBs (8082)

Certifications

☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations

☐ Detroit ☐ New York

☒ Other Pontiac, MI

Special Instructions

MS/MSD

RELINQUISHED BY: Kaitlyn Voet ☒ Sampler DATE 3/22/18 TIME 1900
RECEIVED BY: Novi Cold Storage DATE 3/22/18 TIME 1900
RELINQUISHED BY: M. Crane DATE 3/23/18 TIME 12:15
RECEIVED BY: M. Crane DATE 3-23-18 TIME 12:15

RELINQUISHED BY: DATE 3-23-18 TIME 1945
RECEIVED BY: DATE 3/23/18 TIME 1945
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
NOTES: TEMP. ON ARRIVAL 6.2

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 # 3 OF 3

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. B0064607.2018	
E-MAIL ADDRESS Theresa.Olechiw@arcadis.com; Brad.Saunders@ar		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 accountspayable.administration@arcadis-us.com		

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME PNC RACER	SAMPLE(S) - PLEASE PRINT/SIGN NAME Kaitlyn Voet
TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER	
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. FOR LAB USE ONLY	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER
	DATE	TIME										
88491.27	3/22	1254	SB-115-18-(4-6)	S		X						
28		1256	SB-115-18-(6-8)	S		X						
29		1258	SB-115-18-(10-12)	S		X						
30		1300	SB-115-18-(12-14)	S		X						
31		1302	SB-115-18-(14-16)	S		X						
32		1304	SB-115-18-(16-18)	S		X						
33		1306	SB-115-18-(18-20)	S		X						
34		1308	SB-115-18-(20-22)	S		X						
35		-	DUP-12	S		X						
36		-	DUP-13	S		X						
37		-	DUP-14	S		X						
				S		X						

RELINQUISHED BY: Kaitlyn Voet	DATE 3/22/18	TIME 1900
RECEIVED BY: Novi Cold Storage	DATE 3/22/18	TIME 1900
RELINQUISHED BY: [Signature]	DATE 3/23/18	TIME 1215
RECEIVED BY: [Signature]	DATE 3-23-18	TIME 1215

RELINQUISHED BY: [Signature]	DATE 3-23-18	TIME 1945
RECEIVED BY: [Signature]	DATE 3/23/18	TIME 1945
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
NOTES:		TEMP. ON ARRIVAL 6.2

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

ATTACHMENT 2

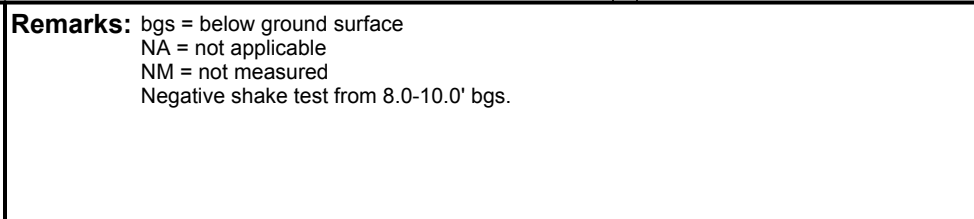
Soil Boring Logs



[illegible]

Remarks: bgs = below ground surface
NA = not applicable
NM = not measured
Negative shake tests from 18.0-20.0', and 20.0-22.0' bgs.
Positive shake test from 22.0-24.0' bgs.

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									
					0.4	X	X	(0.0 - 0.5') TOPSOIL.		
						X	X	(0.5 - 4.0') FILL, SILT, some clay, low plasticity, slow dilatancy; trace very fine to fine sand, subrounded; dry to moist; medium soft; dark brown (10YR 3/3).		
					0.4	X	X			
						X	X			
						X	X			
-5	-5	1	0.0-10.0'	10.0	0.5	X	X	(4.0 - 10.0') FILL, SAND, very fine to fine; some silt; some granules to small pebbles, subrounded; black (10YR 2/1). Note: Trace wood, glass and metal; FILL.		
						X	X			
					4.6	X	X	Note: Odors from 6.0-20.0' bgs.		
						X	X			
						X	X			
					68.9	X	X			
						X	X			
-10	-10						X	(10.0 - 20.0') FILL, SAND, very fine to fine; trace silt; trace metal, glass, wood; well sorted; black (10YR 2/1).		
					1.7	X	X			
						X	X			
						X	X			
					5.1	X	X			
						X	X			
						X	X			
						X	X			
-15	-15	2	10.0-20.0'	5.0	1.8	X	X			
						X	X			
						X	X			
					2.0	X	X			
						X	X			
						X	X			
					12.2	X	X			
						X	X			
-20	-20						X	Note: Wet at 20.0' bgs.		
								End of boring at 20.0' bgs.		



Date Start: 3/20/2018 Date Finish: 3/20/2018 Drilling Company: Cascade Driller's Name: A. Little Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 20.0 Water Level Finish (ft. btoc.): NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth (ft. bgs.): 20.0 Surface Elevation: NA Descriptions By: Kaitlyn Voet	Well/Boring ID: SB-104-18 Client: RACER Location: RACER PNC Weather Conditions: Clear, 36 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	0.0-5.0'	5.0	0.3	X	X	(0.0 - 0.5') TOPSOIL.		
						X	X	(0.5 - 10.0') FILL, SAND, very fine to fine; trace silt; trace granules, subrounded; trace wood; dry to moist; poorly sorted; black (10YR 2/1).		
					0.5	X	X			
						X	X			
						X	X			
5	-5				4.6	X	X			
		2	5.0-10.0'	5.0	62.4	X	X			
						X	X			
					28.4	X	X			
						X	X			
10	-10					X	X	Note: Concrete pieces at 10.0' bgs.		
					26.7	X	X	(10.0 - 20.0') FILL, metal, glass, very fine to fine sand; trace small to medium pebbles, subrounded; moist; black (10YR 2/1).		
						X	X			
					7.5	X	X			
						X	X			
						X	X			
15	-15	3	10.0-20.0'	5.0	29.7	X	X			
						X	X			
					11.6	X	X			
						X	X			
					19.2	X	X			
						X	X			
20	-20							Note: Wet at 20.0' bgs. End of boring at 20.0' bgs.		

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 6.0-8.0' and 14.0-16.0' bgs.
--	--

Date Start: 3/20/2018 Date Finish: 3/20/2018 Drilling Company: Cascade Driller's Name: A. Little Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 25.0 Water Level Finish (ft. btoc.): NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth (ft. bgs.): 25.0 Surface Elevation: NA Descriptions By: Kaitlyn Voet	Well/Boring ID: SB-105-18 Client: RACER Location: RACER PNC Weather Conditions: Clear, 36 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									
		1	0.0-5.0	5.0	0.5	X	X	(0.0 - 0.5') TOPSOIL.		
						X	X	(0.5 - 2.0') FILL, SILT, some clay, low plasticity, slow dilatancy; trace very fine to fine sand, subrounded; dry to moist; medium soft; dark brown (10YR 3/3).		
						X	X			
					1.1	X	X	(2.0 - 11.0') FILL, SAND; some silt; trace small to medium pebbles, subrounded; poorly sorted; black (10YR 2/1).		
						X	X			
						X	X			
5	-5				1.3	X	X			
						X	X			
						X	X			
		2	5.0-10.0	5.0	1.7	X	X			
						X	X			
						X	X			
					1.8	X	X			
						X	X			
10	-10					X	X			
					0.7	X	X	(11.0 - 25.0') FILL, SAND, very fine to fine; trace granules to small pebbles, subrounded to subangular; well sorted; moist. Note: FILL, glass, wood pieces.		
						X	X	Note: Slight odors from 12.0-18.0' bgs.		
					3.1	X	X			
						X	X			
						X	X			
15	-15	3	10.0-20.0	10.0	6.4	X	X			
						X	X			
						X	X			
					2.5	X	X			
						X	X			
						X	X			
						X	X	Note: Moderate odors from 18.0-25.0' bgs.		
						X	X			
						X	X			

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 18.0-20.0', and 24.0-25.0' bgs.
--	---

Date Start: 3/20/2018 Date Finish: 3/20/2018 Drilling Company: Cascade Driller's Name: A. Little Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 25.0 Water Level Finish (ft. btoc.): NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth (ft. bgs.): 25.0 Surface Elevation: NA Descriptions By: Kaitlyn Voet	Well/Boring ID: SB-105-18 Client: RACER Location: RACER PNC Weather Conditions: Clear, 36 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	4	20.0-25.0	5.0	32.7	X	X			
						X	X			
					3.2	X	X			
						X	X			
					3.1	X	X	Note: Wet at 25.0' bgs. End of boring at 25.0' bgs.	25	
						X	X			
						X	X			
					15.8	X	X			
25	-25									
30	-30									
35	-35									

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 18.0-20.0', and 24.0-25.0' bgs.
--	---

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 - 0.5') TOPSOIL.		
					0.1	X	X	(0.5 - 2.0') FILL, SILT, some clay, low plasticity, no dilatancy; little small to medium pebbles, subrounded; trace very fine sand; moist; dark brown (10YR 3/3).		
					0.1	X	X	(2.0 - 8.0') FILL, SAND, very fine to fine; trace granules, little small to medium pebbles, subrounded; poorly sorted; moist; black (10YR 2/1).		
-5	-5	1	0.0-10.0'	10.0	0.3	X	X			
					12.5	X	X	Note: Concrete pieces from 7.0-8.0' bgs.		
					30.3	X	X	(8.0 - 10.0') FILL, SAND, very fine to fine; well sorted; dry; black (10YR 2/1).		
-10	-10				1.5	X	X	(10.0 - 14.0') FILL, SILT, some clay, low to medium plasticity, no-slow dilatancy; trace very fine sand; trace small to medium pebbles, subrounded; black (10YR 2/1).		
					13.1	X	X			Bentonite chips (1.0-24.0' bgs)
-15	-15	2	10.0-20.0'	3.3	13.5	X	X	(14.0 - 24.0') FILL, SAND, very fine to fine; well sorted; moist; black (10YR 2/1).		
					30.3	X	X			
							X			
							X			
								Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake test from 22.0-24.0' bgs.		
										

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 - 0.5'		1	0.0-5.0'	5.0	0.4	X	X	(0.0 - 0.5') TOPSOIL.		
0.5 - 5.0'					0.5	X	X	(0.5 - 6.0') FILL, SILT, some clay, low plasticity, slow dilatancy; little very fine sand; trace small pebbles, subrounded; poorly sorted; dry to moist; dark brown (10YR 3/3).		
5.0 - 10.0'		2	5.0-10.0'	5.0	3.5	X	X	(6.0 - 10.0') FILL, SAND, very fine to fine; little silt; dry; black (10YR 2/1). Note: Trace fill (glass, metal).		
10.0 - 15.0'					70.6	X	X			
15.0 - 15.0'		3	10.0-15.0'	5.0	4.1	X	X	(10.0 - 15.0') FILL, SAND, very fine to fine; and SILT; some small to large pebbles, subrounded; poorly sorted; moist; dark brown (10YR 3/3).		
					0.5	X	X			
					NM		X	Note: Wet at 14.0' bgs.		
15	15							End of boring at 15.0' bgs.		

Bentonite chips
(1.0-15.0' bgs)

Remarks: bgs = below ground surface
 NA = not applicable
 NM = not measured
 Negative shake test from 8.0-10.0' bgs.

Date Start: 3/21/2018 Date Finish: 3/21/2018 Drilling Company: Cascade Driller's Name: A. Little Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 19.5 Water Level Finish (ft. btoc.): NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth (ft. bgs.): 19.5 Surface Elevation: NA Descriptions By: Kaitlyn Voet	Well/Boring ID: SB-109-18 Client: RACER Location: RACER PNC Weather Conditions: Overcast, 29 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	0.0-5.0'	5.0	0.5	X	X	(0.0 - 0.5') TOPSOIL.		
						X	X	(0.5 - 2.0') FILL, SILT, some clay, low plasticity, slow dilatancy; little small to large pebbles, subrounded to subangular; moist; dark brown (10YR 3/3).		
					0.6	X	X	(2.0 - 6.0') FILL, SAND, very fine to fine; some silt; little small to medium pebbles, subrounded; poorly sorted; moist; black (10YR 2/1).		
						X	X			
						X	X			
5	-5	2	5.0-10.0'	5.0	0.7	X	X			
						X	X			
					0.9	X	X	(6.0 - 11.0') FILL, SAND, very fine to fine; well sorted; moist; dark brown (10YR 5/3) to black (10YR 2/1).		
						X	X			
					3.0	X	X			
						X	X			
10	-10				5.9	X	X	(11.0 - 19.0') FILL, SAND, very fine to fine; some granules, subrounded to subangular; moist; dark grayish brown (10YR 4/2).		
						X	X			
					0.8	X	X			
						X	X			
						X	X			
15	-15	3	10.0-20.0'	6.6	0.8	X	X			
						X	X			
					0.8	X	X			
						X	X			
						X	X			
					0.8	X	X	(19.0 - 19.5') FILL, SILT, some clay; little very fine sand; moist; medium stiff; dark brown (10YR 3/3).		
20	-20							Note: Wet at 19.5' bgs. End of boring at 19.5' bgs.		

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Positive shake test from 10.0-12.0' bgs.
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Date Start: 3/21/2018 Date Finish: 3/21/2018 Drilling Company: Cascade Driller's Name: A. Little Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 19.0 Water Level Finish (ft. btoc.): NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth (ft. bgs.): 20.0 Surface Elevation: NA Descriptions By: Kaitlyn Voet	Well/Boring ID: SB-110-18 Client: RACER Location: RACER PNC Weather Conditions: Overcast, 29 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	0.0-5.0'	5.0	0.2	X	X	(0.0 - 0.5') TOPSOIL.		
					1.1	X	X	(0.5 - 5.0') FILL, SILT, some clay; little very fine sand; little small to medium pebbles; moist; dark brown (10YR 3/3) to very dark gray (10YR 3/1). Note: Trace metal.		
5	-5	2	5.0-10.0'	2.0	0.8	X	X	(5.0 - 7.0') CONCRETE.		
					NM			(7.0 - 10.0') No Recovery, (potential void beneath concrete).		
					NM					
10	-10	3	10.0-20.0'	5.0	0.3	X	X	(10.0 - 14.0') FILL, PEBBLES, medium to large, subrounded; trace very fine sand; moist; dark brown (10YR 3/3).		
					0.3	X	X			
						X	X	(14.0 - 16.0') FILL, SAND, and SILT, non plastic, rapid dilatancy; dry; soft; black (10YR 2/1).		
15	-15				21.9	X	X	(16.0 - 18.0') FILL, SAND, fine to medium, subangular to subrounded; well sorted; dry; very dark gray (10YR 3/1).		
					48.6	X	X	(18.0 - 20.0') FILL, SILT, and SAND, nonplastic, rapid dilatancy; dry to moist; soft; black (10YR 2/2). Note: Trace blue, rubber like material.		
						X	X	Note: Wet at 19.0' bgs.		
20	-20							End of boring at 20.0' bgs.		

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake test from 10.0-12.0' bgs.
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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	0.0-5.0'	5.0	0.5	×	×	(0.0 - 0.5') TOPSOIL.		
						×	×	(0.5 - 6.0') FILL, SILT, trace clay; some very fine sand; little small to medium pebbles, subrounded; dry; black (10YR 2/1).		
					6.8	×	×			
						×	×			
						×	×	Note: Strong odors from 4.0-20.0' bgs.		
-5	-5				15.6	×	×			
		2	5.0-10.0'	5.0	57.2	×	×	(6.0 - 8.0') FILL, SAND, very fine to fine; well sorted; moist; soft; black (10YR 2/1). Note: Trace blue rubber material.		
						×	×			
					98.3	×	×	(8.0 - 20.0') FILL, SILT, and SAND, very fine to fine; nonplastic; rapid dilatancy; moist; black (10YR 2/1).		
						×	×			
-10	-10				116.7	×	×	Note: Wet at 11.0' bgs.		
						×	×			
					192.8	×	×			
						×	×			
						×	×			
-15	-15	3	10.0-20.0'	10.0	NM	×	×			
						×	×			
					NM	×	×			
						×	×			
					NM	×	×			
						×	×			
-20	-20					×	×	End of boring at 20.0' bgs.		



Remarks: bgs = below ground surface
NA = not applicable
NM = not measured
Negative shake tests from 6.0-8.0' and 8.0-10.0' bgs.

Date Start: 3/21/2018 Date Finish: 3/21/2018 Drilling Company: Cascade Driller's Name: A. Little Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 25.0 Water Level Finish (ft. btoc.): NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth (ft. bgs.): 25.0 Surface Elevation: NA Descriptions By: Kaitlyn Voet	Well/Boring ID: SB-112-18 Client: RACER Location: RACER PNC Weather Conditions: Overcast, 29 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	0.0-5.0'	5.0	0.8	X	X	(0.0 - 0.5') TOPSOIL. Note: Trace wires, brick pieces.		
					1.5	X	X	(0.5 - 5.0') FILL, SILT, little clay, nonplastic, slow dilatancy; some very fine sand; dark brown (10YR 3/3).		
5	-5	2	5.0-10.0'	5.0	2.0	X	X	(5.0 - 6.0') FILL, PEBBLES, medium to large, subrounded to subangular; trace very fine sand; wet; dark brown (10YR 3/3).		
					15.8	X	X	(6.0 - 25.0') FILL, SAND, very fine to fine; trace granules to small pebbles; well sorted; dry to moist; black (10YR 2/1).		
					49.8	X	X			
10	-10				111.4	X	X	Note: Wet seam at 10.0' bgs.		
					60.6	X	X			
15	-15	3	10.0-20.0'	6.6	13.4	X	X			
					33.6	X	X			

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 10.0-12.0' and 24.0-25.0' bgs. Positive shake test from 8.0-10.0' bgs.
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Date Start: 3/21/2018 Date Finish: 3/21/2018 Drilling Company: Cascade Driller's Name: A. Little Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 25.0 Water Level Finish (ft. btoc.): NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth (ft. bgs.): 25.0 Surface Elevation: NA Descriptions By: Kaitlyn Voet	Well/Boring ID: SB-112-18 Client: RACER Location: RACER PNC Weather Conditions: Overcast, 29 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	4	20.0-25.0'	5.0	28.7	X	X		25.0	
						X	X			
					19.2	X	X			
						X	X			
					21.4	X	X			
						X	X			
						X	X			
						X	X			
						X	X			
						X	X			
25	-25				50.5	X	X	Note: Wet at 25.0' bgs. End of boring at 25.0' bgs.		
30	-30									
35	-35									

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 10.0-12.0' and 24.0-25.0' bgs. Positive shake test from 8.0-10.0' bgs.
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Date Start: 3/22/2018 Date Finish: 3/22/2018 Drilling Company: Cascade Driller's Name: A. Little Drilling Method: Sonic Sampling Method: 5.0'/10.0' Core barrel, Continuous Rig Type: Sonic Water Level Start (ft. bgs.): 20.0 Water Level Finish (ft. btoc.): NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth (ft. bgs.): 20.0 Surface Elevation: NA Descriptions By: Kaitlyn Voet	Well/Boring ID: SB-113-18 Client: RACER Location: RACER PNC Weather Conditions: Clear, 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									
		1	0.0-6.0'	6.0	0.0	X	↓ ↓ ↓ (0.0 - 0.5') TOPSOIL. (0.5 - 1.0') CONCRETE. (1.0 - 7.0') FILL, SAND, very fine to fine; little silt; little granules to medium pebbles, subrounded to subangular; poorly sorted; dry; black (10YR 2/1). Note: Trace fill (metal, concrete).			
5	-5				0.4	X	X			
		2	6.0-10.0'	4.0	3.2	X	X	(7.0 - 10.0') FILL, SAND, fine; well sorted; moist; black (10YR 2/1).		
					0.8	X	X			
10	-10				0.5	X	X	(10.0 - 12.0') FILL, SILT, some clay.		
		3	10.0-20.0'	10.0	104.1	X	X	(12.0 - 20.0') FILL, SAND, very fine to fine; trace silt; well sorted; dry to moist; black (10YR 2/1). Note: Trace wood from 14.0-16.0' bgs.		
15	-15				30.3	X	X			
					1.8	X	X			
20	-20							Note: Wet at 20.0' bgs. End of boring at 20.0' bgs.		

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 12.0-14.0' and 14.0-16.0' bgs.
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Date Start: 3/22/2018 Date Finish: 3/22/2018 Drilling Company: Cascade Driller's Name: A. Little 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: NA Easting: NA Casing Elevation: NA Borehole Depth (ft. bgs.): 25.0 Surface Elevation: NA Descriptions By: Kaitlyn Voet	Well/Boring ID: SB-114-18 Client: RACER Location: RACER PNC Weather Conditions: Clear, 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 - 0.5') TOPSOIL.		
					0.4	X	X	(0.5 - 6.0') FILL, SILT, some clay, low plasticity to nonplastic, slow dilatancy; little granules to small pebbles, subrounded to subangular; trace very fine sand; moist; dark brown (10YR 3/3).		
					0.4	X	X			
5	-5	1	0.0-10.0'	8.3	0.4	X	X			
					1.5	X	X	(6.0 - 8.0') FILL, SAND, very fine to fine; well sorted; moist; black (10YR 2/1) to reddish yellow (5YR 7/8).		
					9.9	X	X	(8.0 - 25.0') FILL, SILT and SAND, very fine to fine; moist; black (10YR 2/1). Note: Little fill (wood, metal, concrete, glass).		
10	-10				4.8	X	X			
					2.9	X	X			
15	-15	2	10.0-20.0'	5.0	14.7	X	X			
					4.5	X	X			

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 10.0-12.0' and 22.0-24.0' bgs.
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Date Start: 3/22/2018 Date Finish: 3/22/2018 Drilling Company: Cascade Driller's Name: A. Little 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: NA Easting: NA Casing Elevation: NA Borehole Depth (ft. bgs.): 25.0 Surface Elevation: NA Descriptions By: Kaitlyn Voet	Well/Boring ID: SB-114-18 Client: RACER Location: RACER PNC Weather Conditions: Clear, 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
20	-20	3	20.0-25.0'	5.0	7.9	X	X		24.0	
						X	X			
					38.4	X	X			
						X	X			
					20.4	X	X			
						X	X	Note: Wet at 24.0' bgs.		
					NM	X	X			
25	-25							End of boring at 25.0' bgs.		
30	-30									
35	-35									

	Remarks: bgs = below ground surface NA = not applicable NM = not measured Negative shake tests from 10.0-12.0' and 22.0-24.0' bgs.
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 Data File: SB-115-18.dat Date: 4/13/2018 Created/Edited by: K. Voet

