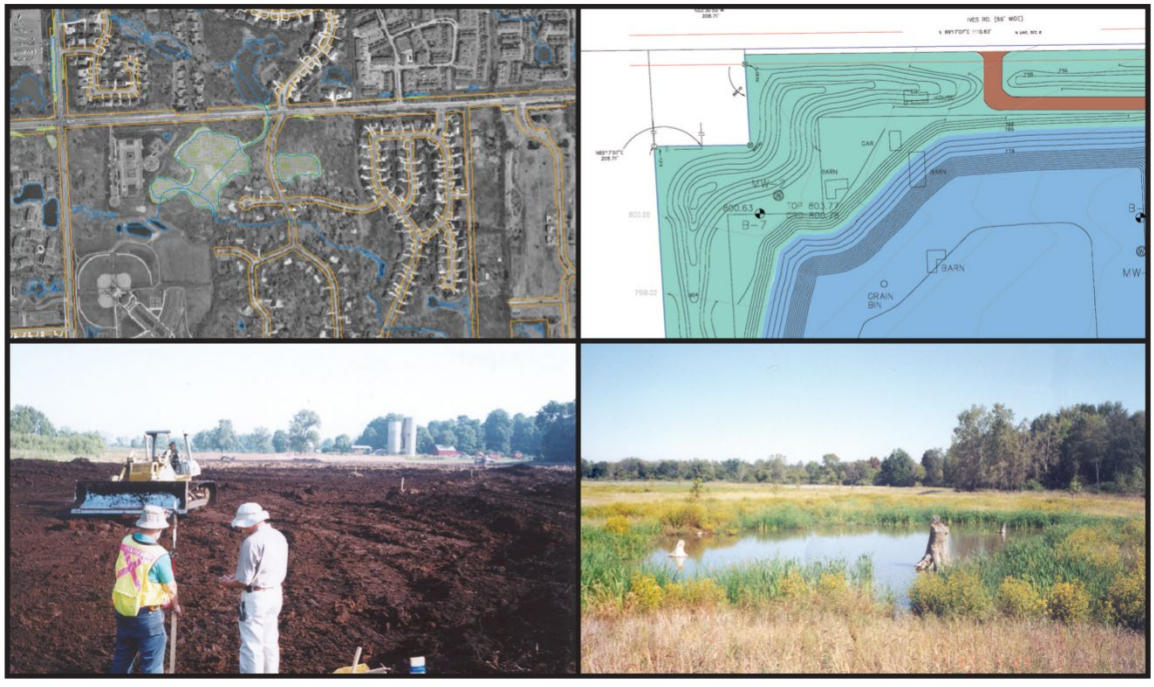
Waste Management Unit 27 Soil Investigation

RTRR Property
18251 West Jefferson
Riverview, Michigan

Riverview-Trenton Railroad Company

May 21, 2020

ASTI ENVIRONMENTAL



ASTI ENVIRONMENTAL

Waste Management Unit 27 Soil Investigation

RTRR Property
18251 West Jefferson
Riverview, Michigan

May 21, 2020

Prepared For:

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ASTI ENVIRONMENTAL

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Waste Management Unit 27 Soil Investigation
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1.0 Introduction

In accordance with the Corrective Action Consent Order ("CACO") dated November 1, 2018 between the Riverview-Trenton Rail Road Company ("RTRR") and the Michigan Department of Environment, Great Lakes, and Energy ("EGLE"), ASTI Environmental ("ASTI") conducted a soil investigation at the property located at 18251 West Jefferson Avenue in the City of Riverview, Wayne County, Michigan ("Subject Property"). The portion of the Subject Property which lies south of Sibley Road, is located in the City of Trenton, Michigan. The investigation was completed in accordance with the Statement of Work included as Attachment A of the CACO for the Subject Property and with the Work Plan – Waste Management Unit Investigations prepared by ASTI dated June 28, 2019 ("Work Plan"). Attachment A includes Figure 1 - Site Location Map and Figure 2 - RTRR Site Features Map.

The investigation was completed for the former Equipment Storage Yard, also known as Waste Management Unit 27 ("WMU-27"). The location of the former Equipment Storage Yard is shown in Figure 2. The purpose of the investigation was to determine the horizontal and vertical extents of polychlorinated biphenyls ("PCBs"). As defined in the CACO, soil analytical results were compared to the Toxic Substance Control Act ("TSCA") PCB Cleanup Level for Low Occupancy Areas of less than or equal to 25 parts per million ("ppm" or milligrams per kilogram).

2.0 Background

The McLouth Steel Company (McLouth) acquired the Subject Property between 1956 and 1961, and used portions of it for storage of raw materials, waste, and product to support the integrated production of steel and iron in the production facility located to the south ("McLouth Facility"). A large slag processing operation, operated by E. C. Levy Company, was located on the Subject Property. After about 1975, steel production decreased until McLouth ceased operations in April of 1996 after filing for Chapter 11 bankruptcy protection on September 29, 1995. At that time, only one blast furnace was operational and most other production units were operating at significantly reduced capacities.

Hamlin Holdings, Inc. acquired the Subject Property in July of 1996, although it is unclear what was conducted on the Subject Property during that time. Detroit Steel Company ("DSC") obtained title for the Subject Property in August of 1996, during which time it used it for storage and conducted removal activities. DSC resumed pickling of strip steel at the McLouth Facility in July 1998. In support of the pickling operations, DSC started the scrubber, Central Wastewater Treatment Plant, and the pH adjustment station. Those operations closed in 2005. Crown Enterprises purchased the Subject Property on June 2, 2000 and conveyed the property to RTRR in November of 2000.

Historically, the Subject Property included the Monguagon Creek channel, an oil storage terminal, and a large building with docking facilities. By 1961, the large building and oil terminal had been demolished and the Monguagon Creek channel had been rerouted along River Road. By 1967, the original channel and mouth area of Monguagon Creek had been filled completely and this aera was used for storage of equipment and materials (ore, debris, and scrap)[1].

After about 1975, production decreased, until McLouth ceased operations in April of 1996 after filing for Chapter 11 bankruptcy protection on September 29, 1995. Hamlin Holdings, Inc. acquired the Subject Property in July of 1996, although it is unclear what was conducted on the Subject Property during that time. Detroit Steel Company ("DSC") obtained title for the Subject Property in August of 1996, during which time it used it for storage and conducted removal activities. Crown Enterprises purchased the Subject Property on June 2, 2000 and conveyed the property to RTRR in November of 2000.

WMU-27 was a fenced area, approximately 1.2 acres, on the northern portion of the RTRR property that was used for secure storage of valuable surplus electrical and mechanical equipment. The area is identified as a Waste Management Unit because it may have been used to store surplus transformers before construction of the Toxic Substance Control Act ("TSCA") Storage Building in 1980. A small (approximately 1,000 square feet) building was located in the northwest corner of the storage yard. The building was not known to have been used for equipment storage; therefore, it is not considered part of the Waste Management Unit[2]. The primary equipment stored in this area was blast furnace equipment. The yard was also used for storage of surplus transformers prior to construction of the TSCA building (WMU-29) in the 1980s. The chain-link fence around the former Equipment Storage Yard has been removed.

3.0 Review of Historical Data

ASTI reviewed historical reports in reference to activities conducted at the WMU-27 area. In October 2000, Earth Tech conducted a PCB investigation in surface soil within the WMU-27 area. Earth Tech collected 12 soil samples from the interval between zero and six inches below ground surface ("bgs") for laboratory analysis of PCBs. The maximum detected PCB concentration was 0.4 ppm. Deeper soil samples (6 inches to 12 inches bgs) were collected during the investigation; however, they were not analyzed due to absence of PCBs in exceedance of 20 ppm which was the cleanup standard set in the Corrective Measures Work Plan (ESC, June 23, 2000).

In January 2001, Environmental Strategies Corporation ("ESC") investigated WMU-27 to determine if PCBs were present in surface soil within the area. Twelve surface soil samples were collected from the interval between zero and six inches bgs for laboratory analysis of PCBs. The maximum detected PCB concentration was 33 ppm (sample identification number W27-08-06 0-6"). The sample collected from the 6 inches to 12 inches bgs interval from the same soil boring (W27-08-06) contained a total PCB concentration of 2.9 ppm. The

[1] North Area Characterization Plan, Revised, ESC, November 2, 2000

[2] Corrective Measures Work Plan – Equipment Storage Yard (WMU-27), TSCA Storage Yard (WMU-29), ESC, July 27, 2000

remaining PCB concentrations were below 25 ppm[3]. A map showing the January 2001 sample locations is provided in Attachment B.

In the third quarter of 2001, DSC excavated and loaded approximately 10 cubic yards of PCB-impacted soil from the WMU-27 area. The soil was placed in a roll-off container[4]. On March 8, 2002, the roll-off container was removed from the Subject Property and transported to the Waste Management Woodland Meadows facility for disposal as non-hazardous waste[5]. ASTI could not verify the location of the excavation within WMU-27.

On July 19, 2001, Earth Tech collected eight soil verification samples after removal of PCB-impacted soil from WMU 27[6]. The maximum detected total PCB concentration was less than 5 ppm.

4.0 December 2019 PCB Investigation

4.1 Soil Sample Collection

ASTI conducted a soil investigation in soil in accordance with the CACO and as described in the Work Plan. Prior to field investigation activities, ASTI determined the extents of the former Equipment Storage Yard through review of historical reports and aerial figures. ASTI determined the coordinates of the four corners of the rectangular storage area and the corners were staked by a licensed surveyor prior to field activities. The staked area included the footprint of the former storage yard. Additionally, ASTI's area of investigation extended 10 feet beyond the WMU-27 extents.

In accordance with the CACO Scope of Work, the locations for 20 soil borings were determined using a systematic random approach as described in the EGLE Guidance Document titled Sampling Strategies and Statistics Training Materials for Part 201 Cleanup Criteria ("S3TM" [EGLE, 2002]). WMU-27 measured approximately 330 feet (east/west) by approximately 170 feet (north/south). Including the additional 10 feet beyond side, the area of investigation measured approximately 350 feet (east/west) by approximately 190 feet (north/south). ASTI divided the area of investigation into 20 equally sized subsections, approximately 70 feet (east/west) by 47.5 feet (north/south). Each subsection represented one soil boring location. ASTI used Microsoft Excel to randomly generate specific soil sample locations within each of the 20 subsections. One random number between 0 and 70 was generated for the x-axis (east/west) and one random number between 0 and 47.5 was generated for the y-axis (north/south). The random number generated for the x-axis was 43 and the random number generated for the y-axis was 25. ASTI used these randomly generated numbers to measure from the southwest corner of each subsection; 43 feet east from the southwestern corner and 25 feet north of the southern border of the investigation area. Figure 3 - WMU-27 Sample Location Map shows the WMU-27 investigation area including the grid generated by ASTI and the soil boring locations.

[3] Monitoring Well and Piezometer Installation and Analytical Results transmittal, Former DSC Ltd. Property, Trenton and Riverview, Michigan, ESC, September 18, 2001
[4] Quarterly Status Report, DSC LTD., Third Quarter 2001
[5] Quarterly Status Report, DSC LTD., First Quarter 2002
[6] September – November 2001 Comprehensive Corrective Action and Removal Consent Order Activities, North Area, Trenton and Riverview, Michigan, ESC, December 13, 2001

Prior to drilling, ASTI contacted Michigan's MISS DIG system to locate public utilities near the Subject Property. On December 16, 2019, an ASTI scientist supervised installation of 20 soil borings within the WMU-27 area of investigation. Prior to drilling, ASTI marked each soil boring location in the field with a pin flag. The soil borings were installed with the use of a track-mounted hydraulic direct push drill rig. The soil borings were designated as SB-1 through SB-20, with SB-1 located in the southwestern most subsection and numbering continued toward the east (Figure 3).

The ASTI scientist continuously logged and recorded lithology in the project field notebook. Each boring was advanced to drilling refusal and depths ranged from 7 feet bgs to 15 feet bgs. ASTI collected one surface soil sample from the interval between zero and three inches bgs. A second soil sample was collected from the interval directly above the depth of drilling refusal. The Work Plan also proposed collection of a third sample from a boring at an interval if it exhibited the potential for impacts based on visual observations (i.e. staining, odor, etc.). ASTI did not observe any intervals which displayed potential impacts requiring the need for a third sample; therefore, two soil samples were collected from each boring. The soil boring logs are provided in Attachment C.

Soil was retrieved from the borings in a clean disposable acetate liner and scanned with a photoionization detector ("PID"). Prior to sampling, the PID was calibrated to manufacturer specifications using 100 ppm isobutylene span gas. After logging the soil lithology, the ASTI scientist collected soil samples by placing soil directly into clean jars provided by the laboratory. Each sample was labeled with a unique identification number including the Waste Management Unit identification, soil boring identification number, and the depth interval. For example, the soil sample collected from the zero to three-inch bgs interval from SB-1 was identified as WMU27-SB1-0-3". After collection, the samples were placed on ice and kept cold until delivery to Fibertech Laboratory (Fibertech) in Holt, Michigan using standard chain-of-custody procedures. For the purpose of quality control/quality assurance (QA/QC), ASTI collected a duplicate sample for every 20 samples collected. ASTI collected 40 samples; therefore, 2 duplicate soil samples were collected. Soil samples were analyzed for PCBs by United States Environmental Protection Agency (USEPA) Methods 3546 and 8082A.

4.2 Laboratory Analytical Results

The laboratory analytical results for the WMU-27 soil samples collected in December 2019 indicate that PCBs are not present in the samples at a concentration greater than 25 ppm. The maximum detected concentration detected during this investigation was 13 ppm (13,000 micrograms per kilogram [µg/kg]). This concentration was detected in the sample collected in the interval between 8.5 feet and 9.5 feet bgs in SB-6 (Figure 3). Table 1 provides a summary of the laboratory analytical results for the December 2019 soil investigation. The laboratory analytical report is provided in Appendix D.

5.0 Conclusions

In accordance with the CACO and the Work Plan, ASTI conducted a soil investigation at the WMU-27 area. ASTI collected 40 soil samples (plus 2 QA/QC samples) for analysis of PCBs. Based on laboratory analytical results for the December 2019 soil investigation, PCBs were not detected at concentrations exceeding 25 ppm. The maximum detected concentration was 13 ppm.

Three soil investigations and soil verification sampling has taken place in the WMU-27 area and 71 soil samples (including duplicates) have been collected from the area. One soil sample contained a concentration of PCBs in exceedance of 25 ppm. That sample was collected from the interval between zero and six inches bgs. PCBs were detected in the interval below at a concentration below 25 ppm. PCB-impacted soil was excavated from the WMU-27 area in in the third quarter of 2001 and soil verification sampling did not detect impacted soil above 25 ppm.

6.0 Measures to Prevent Unacceptable Human Exposure to PCBs

Multiple soil investigations have shown that one soil sample contained a concentration of PCBs in exceedance of 25 ppm. Soil excavation was performed, and soil verification sampling confirmed that the exceedance was removed during excavation.

The CACO requires that soil cleanup be based on a comparison to low occupancy closure options under TSCA. The table below provides a summary of low occupancy closure options for PCB impacted soil regulated by TSCA.

TSCA Soil Closure Options – Low Occupancy

Concentration	**Remedy**
≤25 ppm	Institutional control only
>25 ppm to ≤50 ppm	Fence and marked with a sign including the M^L mark
>25 ppm to ≤100 ppm	Engineered cap
>100 ppm	Site specific risk-based closure

PCB concentrations are not present in the WMU-27 area in exceedance of 25 ppm. Therefore, institutional controls can be used to prevent unacceptable human exposure to PCBs in this area. An institutional control, such as a deed restriction for the WMU-27 area, could restrict the area to a low occupancy area and that restriction would be maintained in perpetuity.

7.0 RCRA Certification Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Greg S. Oslosky, P.G.
Director – Grand Rapids

Table 1
Summary of Laboratory Analytical Results

Waste Management Unit 27 Investigation

Table 1 Summary of WMU-27 Soil Analytical Results
RTRR - Riverview, Michigan
18251 West Jefferson Ave, Riverview, Michigan
ASTI File No.: 10860

Parameters	TSCA PCB Cleanup Level for Low Occupany Areas µg/kg	WMU27-SB1-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB1-11-12' 11-12' 12/16/2019 µg/kg	WMU27-SB2-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB2-11-12' 11-12' 12/16/2019 µg/kg	WMU27-SB3-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB3-11-12' 11-12' 12/16/2019 µg/kg
PCBs							
PCB, Aroclor 1016		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1221		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1232		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1242		<100	**490**	<100	**150**	<100	<100
PCB, Aroclor 1248		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1254		**7,400**	**460**	<100	**360**	<100	**480**
PCB, Aroclor 1260		**4,000**	**560**	**300**	**360**	<100	**920**
PCB, Aroclor 1262		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1268		<100	<100	<100	<100	<100	<100
Polychlorinated biphenyls (PCBs)	25,000	**11,400**	**1,510**	**300**	**870**	<100	**1,400**

Parameters	TSCA PCB Cleanup Level for Low Occupany Areas µg/kg	WMU27-SB11-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB11-11-12' 11-12' 12/16/2019 µg/kg	WMU27-SB12-0-3" 0-3" 12/16/2019 µg/kg	WMY27-SB12-11-12' 11-12' 12/16/2019 µg/kg	WMU27-SB13-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB13-11-12' 11-12' 12/16/2019 µg/kg
PCBs							
PCB, Aroclor 1016		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1221		<100	<100	<100	<100	<100	<100
PCB. Aroclor 1232		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1242		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1248		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1254		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1260		<100	**110**	**240**	<100	**270**	<100
PCB, Aroclor 1262		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1268		<100	<100	<100	<100	<100	<100
Polychlorinated biphenyls (PCBs)	25,000	<100	**110**	**240**	<100	**270**	<100

Notes:
Bold indicates concentration above laboratory reporting limit.
"µg/kg" - micrograms per kilogram or parts per billion
"<" indicates concentration below laboratory reporting limit

Table 1 Summary of WMU-27 Soil Analytical Result
RTRR - Riverview, Michigan
18251 West Jefferson Ave, Riverview, Michigan
ASTI File No.: 10860

Parameters	TSCA PCB Cleanup Level for Low Occupany Areas µg/kg	WMU27-SB4-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB4-11-12' 11-12' 12/16/2019 µg/kg	WMU27-SB5-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB5-9-10' 9-10' 12/16/2019 µg/kg	WMU27-SB6-0-3" 0-3" 12/16/2019 µg/kg
PCBs						
PCB, Aroclor 1016		<100	<100	<100	<100	<100
PCB, Aroclor 1221		<100	<100	<100	<100	<100
PCB, Aroclor 1232		<100	<100	<100	<100	<100
PCB, Aroclor 1242		<100	<100	<100	<100	<100
PCB, Aroclor 1248		<100	<100	<100	<100	<100
PCB, Aroclor 1254		<100	<100	**180**	<100	**180**
PCB, Aroclor 1260		**210**	**540**	**160**	<100	**150**
PCB, Aroclor 1262		<100	<100	<100	<100	<100
PCB, Aroclor 1268		<100	**1,600**	<100	<100	<100
Polychlorinated biphenyls (PCBs)	25,000	**210**	**2,140**	**340**	<100	**330**

Parameters	TSCA PCB Cleanup Level for Low Occupany Areas µg/kg	WMU27-SB14-0-3" 0-3" 12/16/2019 µg/kg	/MU27-SB14-11-11.75 11-11.75' 12/16/2019 µg/kg	WMU27-SB15-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB15-11-12' 11-12' 12/16/2019 µg/kg	WMU27-DUP2 WMU27-SB16-0-3" 0-3" 12/16/2019 µg/kg
PCBs						
PCB, Aroclor 1016		<100	<100	<100	<100	<100
PCB, Aroclor 1221		<100	<100	<100	<100	<100
PCB. Aroclor 1232		<100	<100	<100	<100	<100
PCB, Aroclor 1242		<100	<100	<100	<100	<100
PCB, Aroclor 1248		<100	<100	<100	<100	<100
PCB, Aroclor 1254		<100	<100	<100	<100	<100
PCB, Aroclor 1260		<100	**110**	<100	**3,600**	<100
PCB, Aroclor 1262		<100	<100	<100	<100	<100
PCB, Aroclor 1268		<100	<100	<100	<100	<100
Polychlorinated biphenyls (PCBs)	25,000	<100	**110**	<100	**3,600**	<100

Notes:
Bold indicates concentration above laboratory reporting li
"µg/kg" - micrograms per kilogram or parts per billion
"<" indicates concentration below laboratory reporting limi

Table 1 Summary of WMU-27 Soil Analytical Result
RTRR - Riverview, Michigan
18251 West Jefferson Ave, Riverview, Michigan
ASTI File No.: 10860

Parameters	TSCA PCB Cleanup Level for Low Occupany Areas µg/kg	WMU27-DUP1 WMU27-SB6-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB6-8.5-9.5' 8.5-9.5' 12/16/2019 µg/kg	WMU27-SB7-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB7-10.5-11.5 10.5-11.5' 12/16/2019 µg/kg	WMU27-SB8-0-3" 0-3" 12/16/2019 µg/kg
PCBs						
PCB, Aroclor 1016		<100	<100	<100	<100	<100
PCB, Aroclor 1221		<100	<100	<100	<100	<100
PCB, Aroclor 1232		<100	<100	<100	<100	<100
PCB, Aroclor 1242		<100	<100	<100	<100	<100
PCB, Aroclor 1248		<100	<100	<100	<100	<100
PCB, Aroclor 1254		<100	<100	<100	<100	<100
PCB, Aroclor 1260		**2,300**	**13,000**	<100	<100	<100
PCB, Aroclor 1262		<100	<100	<100	<100	<100
PCB, Aroclor 1268		<100	<100	<100	<100	<100
Polychlorinated biphenyls (PCBs)	25,000	**2,300**	**13,000**	<100	<100	<100

Parameters	TSCA PCB Cleanup Level for Low Occupany Areas µg/kg	WMU27-SB16-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB16-7-8' 7-8' 12/16/2019 µg/kg	WMU27-SB17-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB17-6-7' 6-7' 12/16/2019 µg/kg	WMU27-SB18-0-3" 0-3" 12/16/2019 µg/kg
PCBs						
PCB, Aroclor 1016		<100	<100	<100	<100	<100
PCB, Aroclor 1221		<100	<100	<100	<100	<100
PCB. Aroclor 1232		<100	<100	<100	<100	<100
PCB, Aroclor 1242		<100	<100	<100	<100	<100
PCB, Aroclor 1248		<100	<100	<100	<100	<100
PCB, Aroclor 1254		<100	<100	<100	<100	<100
PCB, Aroclor 1260		<100	<100	<100	<100	**140**
PCB, Aroclor 1262		<100	<100	<100	<100	<100
PCB, Aroclor 1268		<100	<100	<100	<100	<100
Polychlorinated biphenyls (PCBs)	25,000	<100	<100	<100	<100	**140**

Notes:
Bold indicates concentration above laboratory reporting li
"µg/kg" - micrograms per kilogram or parts per billion
"<" indicates concentration below laboratory reporting limi

Table 1 Summary of WMU-27 Soil Analytical Result
RTRR - Riverview, Michigan
18251 West Jefferson Ave, Riverview, Michigan
ASTI File No.: 10860

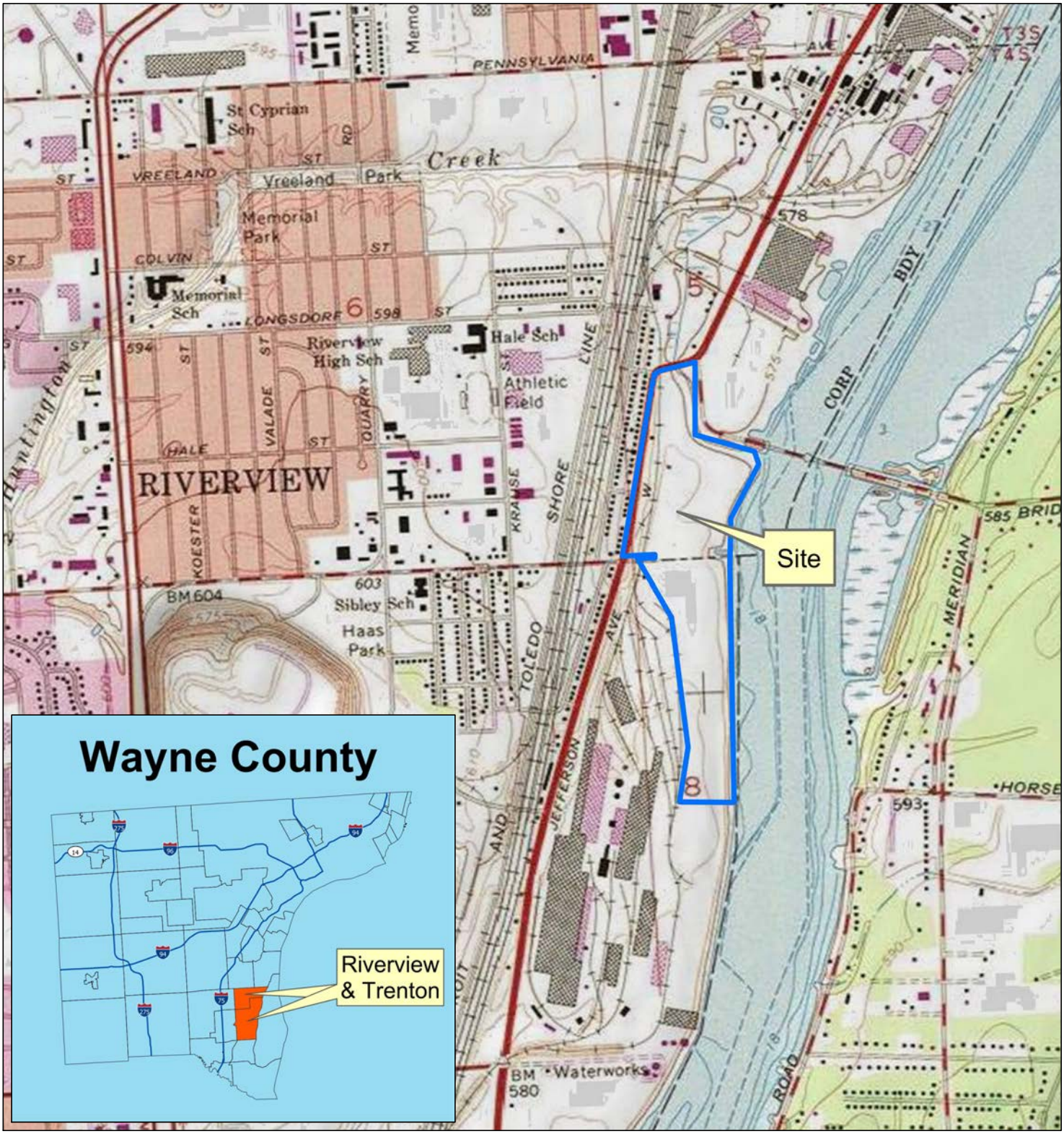
Parameters	TSCA PCB Cleanup Level for Low Occupany Areas µg/kg	WMU27-SB8-10-11' 10-11' 12/16/2019 µg/kg	WMU27-SB9-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB9-7-8' 7-8' 12/16/2019 µg/kg	WMU27-SB10-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB10-7-8' 7-8' 12/16/2019 µg/kg
PCBs						
PCB, Aroclor 1016		<100	<100	<100	<100	<100
PCB, Aroclor 1221		<100	<100	<100	<100	<100
PCB, Aroclor 1232		<100	<100	<100	<100	<100
PCB, Aroclor 1242		<100	<100	<100	<100	<100
PCB, Aroclor 1248		<100	<100	<100	<100	<100
PCB, Aroclor 1254		<100	<100	<100	<100	<100
PCB, Aroclor 1260		**370**	**220**	<100	<100	<100
PCB, Aroclor 1262		<100	<100	<100	<100	<100
PCB, Aroclor 1268		<100	<100	<100	<100	<100
Polychlorinated biphenyls (PCBs)	25,000	**370**	**220**	<100	<100	<100

Parameters	TSCA PCB Cleanup Level for Low Occupany Areas µg/kg	WMU27-SB18-9-10' 9-10' 12/16/2019 µg/kg	WMU27-SB19-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB19-6-7' 6-7' 12/16/2019 µg/kg	WMU27-SB20-0-3" 0-3" 12/16/2019 µg/kg	WMU27-SB20-9-10' 9-10' 12/16/2019 µg/kg
PCBs						
PCB, Aroclor 1016		<100	<100	<100	<100	<100
PCB, Aroclor 1221		<100	<100	<100	<100	<100
PCB. Aroclor 1232		<100	<100	<100	<100	<100
PCB, Aroclor 1242		<100	**120**	<100	<100	<100
PCB, Aroclor 1248		<100	<100	<100	<100	<100
PCB, Aroclor 1254		<100	<100	<100	<100	<100
PCB, Aroclor 1260		**1,400**	**200**	<100	<100	<100
PCB, Aroclor 1262		<100	<100	<100	<100	<100
PCB, Aroclor 1268		<100	<100	<100	<100	<100
Polychlorinated biphenyls (PCBs)	25,000	**1,400**	**320**	<100	<100	<100

Notes:
Bold indicates concentration above laboratory reporting li
"µg/kg" - micrograms per kilogram or parts per billion
"<" indicates concentration below laboratory reporting limi

Attachment A
Figures

Waste Management Unit 27 Investigation



RTRR - WMU-27 Investigation

18251 West Jefferson
Riverview, MI

Figure 1 - Site Location Map

Created for: Riverview-Trenton Railroad Company

ASTI Project 10860, JRN, March 3, 2020

ASTI Environmental

LEGEND

Subject Property

WMU

0 150 300 450

Approximate Scale in Feet

N

ASTI Environmental

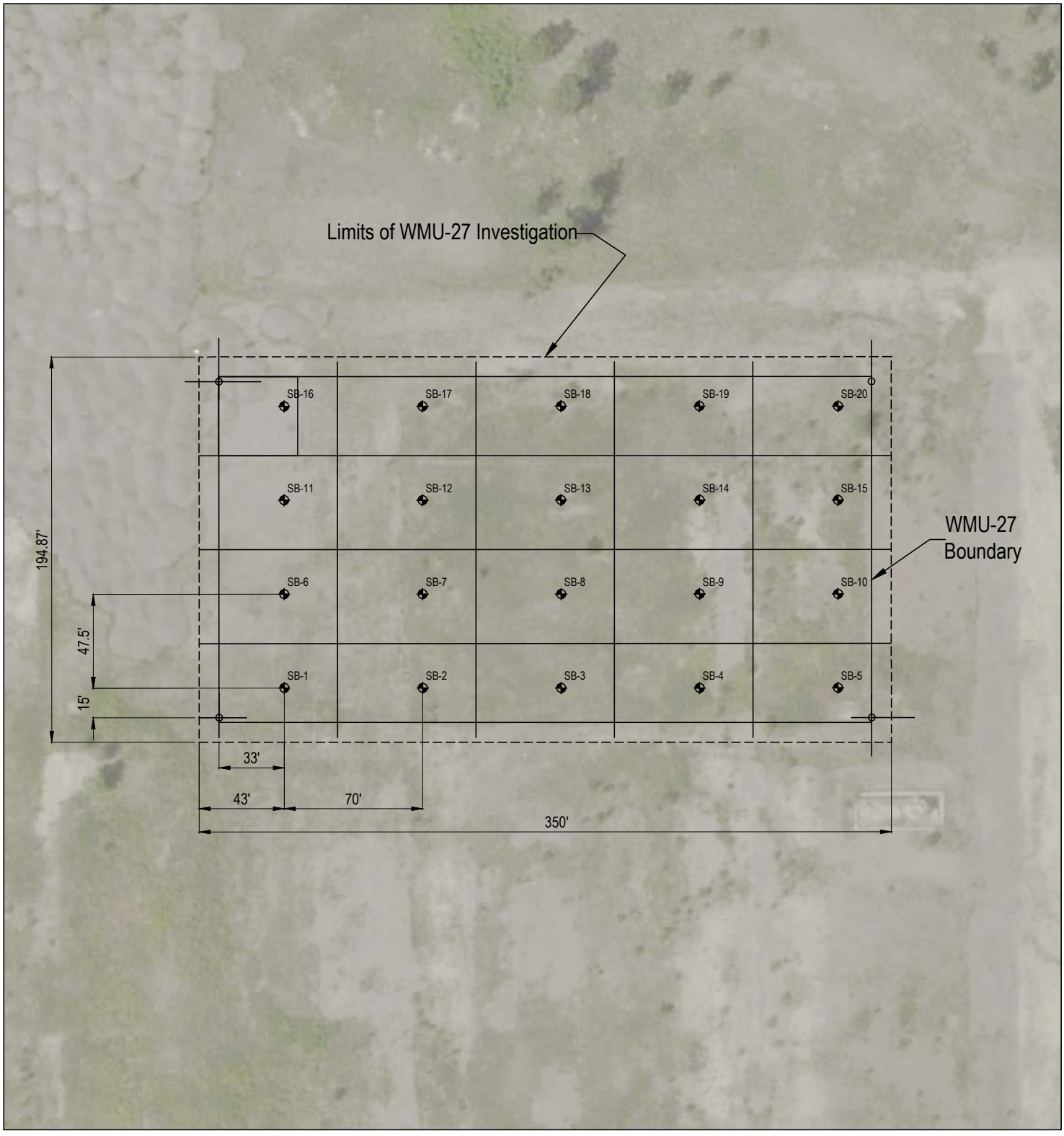
RTRR Property

18251 West Jefferson Avenue, Riverview, MI

Created for: Riverview-Trenton Railroad Company

Figure 2: RTRR Site Features Map

ASTI Project 10860, JRN/JMD, May 19, 2020



GRAPHIC SCALE

0 35 70 140

1 inch = 70 ft.
Paper Size = (8.5x11)

LEGEND

- Soil Boring Location
- Stake Location

N

ASTI Environmental

RTRR Property

18251 West Jefferson, Riverview, MI

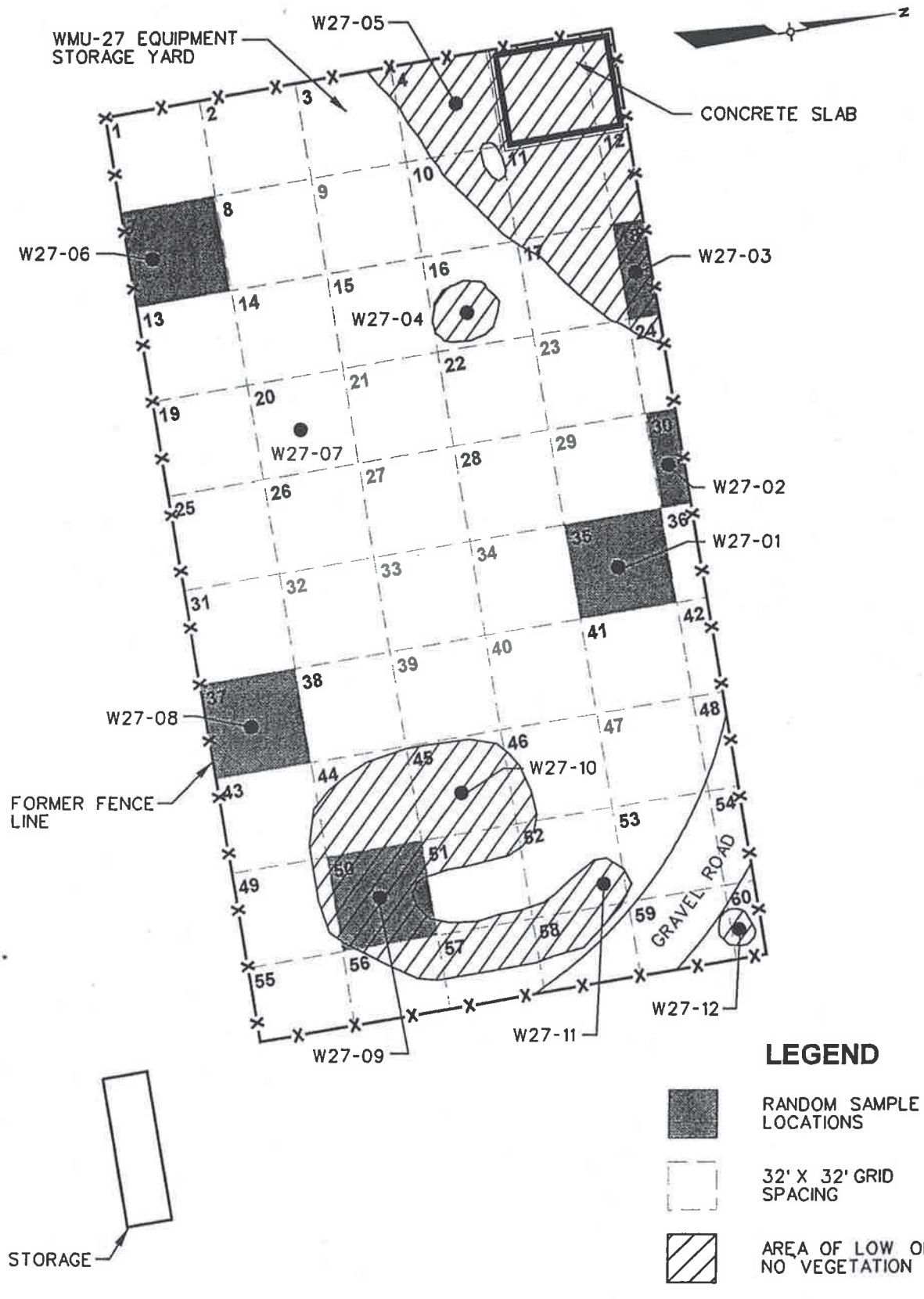
Created for: Riverview-Trenton Railroad Company

Figure 3: WMU-27 Sample Location Map

ASTI Project 10860, JRN, May 19, 2020

Attachment B
Sample Location Map – Previous Investigations

Waste Management Unit 27 Investigation



E A R T H T E C H

SCALE: 1" = 50'

FIGURE 3
WMU-27
SURFACE SAMPLE LOCATIONS
DETROIT STEEL
TRENTON, MICHIGAN

42702.01

APRIL 2001

DGN = L:\WORK\42702\CADD\SURFACE.DGN DATE = Tue Apr 10 15:34:27 2001

Attachment C
Soil Boring Logs

Waste Management Unit 27 Investigation

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB1**
Total Depth:	15'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	Topsoil, medium to coarse grained sand, trace silt, gravel, and vegetation, dark brown, moist, loose (fill)	0.0	Soil at 0-3"
4"	2'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and concrete, brown, moist, loose (fill)	0.0	
2'	12'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, and brick, black, moist, loose (fill)	0.0	
12'	15'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, and brick, black, wet, loose (fill)	0.0	Soil at 11-12'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB2**
Total Depth:	12'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4.5'	SAND, medium to coarse grained, trace very fine to fine grained sand, silt, gravel, slag, and concerete, dark brown, moist, loose (fill)	0.0	Soil at 0-3"
4.5'	10'	SAND, medium to coarse grained, trace very fine to fine grained sand, silt, gravel, slag, concerete, and metal, dark brown, moist, loose (fill)	0.0	
10'	12'	SAND, medium to coarse grained, trace very fine to find grained sand, silt, gravel, slag, and concerete, dark brown, moist, loose (fill)	0.0	Soil at 11-12'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB3**
Total Depth:	12'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4.5'	SAND, medium to coarse grained, trace very fine to fine grained sand, silt, gravel, slag, and concerete, brown, moist, loose (fill)	0.0	Soil at 0-3"
4.5'	10'	SAND, medium to coarse grained, trace very fine to fine grained sand, silt, gravel, brown, moist, loose (fill)	0.0	
10'	12'	SAND, fine to medium grained, trace very fine grained sand, gravel, and silt, brown, moist, compact (sand)	0.0	Soil at 11-12'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB4**
Total Depth:	12'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	2'	SAND, medium to coarse grained, trace very fine to fine grained sand, silt, gravel, slag, and brick, brown, moist, loose (fill)	0.0	Soil at 0-3"
2'	7'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, and slag, dark brown, moist, loose (fill)	0.0	
7'	7.5'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, and metal, dark brown, moist, loose (fill)	0.0	
7.5'	12'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, slag, and concrete, dark brown, moist, loose (fill)	0.0	Soil at 11-12'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB5**
Total Depth:	10'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	Topsoil, medium to coarse grained sand, trace silt, gravel, vegetation, slag, brown, moist, loose (fill)	0.0	Soil at 0-3"
4"	4'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, brick, and slag, dark brown, moist, loose (fill)	0.0	
4'	8'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, concrete, and slag, dark brown, moist, loose (fill)	0.0	
8'	10'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and concrete, dark brown with metallic shine, moist, loose	0.0	Soil at 9-10'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB6**
Total Depth:	9.5'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	1'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and vegetation, dark brown, moist, loose (fill)	0.0	Soil at 0-3"
1'	4'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, concrete and slag, dark brown, moist, loose (fill)	0.0	
4'	6.5'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, and slag, dark brown, moist, loose (fill)	0.0	
6.5'	7'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, brick and slag, dark brown, moist, loose (fill)	0.0	
7'	9.5'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, and slag, dark brown, moist, loose (fill)	0.0	Soil at 8.5-9.5'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB7**
Total Depth:	11.5'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, concrete and vegetation, brown, moist, loose (fill)	0.0	Soil at 0-3"
4"	4.5'	SAND, fine to medium grained, trace very fine grained sand, gravel, concrete, and slag, dark brown, moist, loose (fill)	0.0	
4.5'	8'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, slag, and concrete, dark brown, moist, loose (fill)	0.0	
8'	11.5'	SAND, fine to medium grained, trace very fine grained sand, gravel, concrete, wood, and slag, dark brown, moist, compacted (fill)	7.2	Soil at 10.5-11.5'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB8**
Total Depth:	11'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and vegetation, dark brown, moist, loose (fill)	0.0	Soil at 0-3"
4"	8'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, slag, and concrete, dark brown, moist, loose (fill)	0.0	
8'	11'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and slag, dark brown, moist, loose (fill)	0.0	Soil at 10-11'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB9**
Total Depth:	8'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, vegetation and slag, brown, moist, loose (fill)	0.0	Soil at 0-3"
4"	4.5'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, slag, brick, and concrete, dark brown, moist, loose (fill)	0.0	
4.5'	8'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and slag, dark brown, moist, loose (fill)	0.0	Soil at 7-8'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB10**
Total Depth:	8'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, vegetation and slag, brown, moist, loose (fill)	0.0	Soil at 0-3"
4"	8'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, slag, and concrete, dark brown, moist, loose (fill)	0.0	Soil at 7-8'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB11**
Total Depth:	12'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	6"	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, asphalt, and vegetation, brown, moist, loose (fill)	0.0	Soil at 0-3"
6"	10'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and slag, dark brown, moist, loose (fill)	0.0	
10'	12'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt and slag, dark brown, moist, compact (fill)	0.0	Soil at 11-12'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB12**
Total Depth:	12'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, vegetation, and concrete, dark brown, moist, loose (fill)	0.0	Soil at 0-3"
4"	9'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, concrete and slag, brown, moist, loose (fill)	0.0	
9'	12'	SAND, medium to coarse grained, trace very fine to fine grained sand and slag, dark brown, moist, loose (fill)	0.0	Soil at 11-12'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB13**
Total Depth:	12'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and vegetation, dark brown, moist, loose (fill)	0.0	Soil at 0-3"
4"	9'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, metal and slag, dark brown, moist, loose (fill)	0.0	
9'	12'	SAND, medium to coarse grained, trace very fine to fine grained sand, silt, and slag, dark brown, moist, loose (fill)	0.0	Soil at 11-12'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB14**
Total Depth:	12'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

MW Data	
Size:	NA
Type:	NA
Screen Length:	NA
Well Depth:	NA
GW Depth (▼):	11.75

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and vegetation, dark brown, moist, loose (fill)	0.0	Soil at 0-3"
4"	3.5'	SAND, medium to coarse grained, trace very fine to fine grained sand and slag, grey, moist, loose (fill)	0.0	
3.5'	11'	SAND, medium to coarse grained, trace very fine to fine grained sand and slag, dark brown, moist, loose (fill)	0.0	
11'	12'	SAND, medium to coarse grained, trace very fine to fine grained sand and slag, black, moist, loose (fill)	0.0	Soil at 11-12'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB15**
Total Depth:	12'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and vegetation, dark brown, moist, loose (fill)	0.0	Soil at 0-3"
4"	7.75'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and slag, dark brown, moist, loose (fill)	0.0	
7.75'	8'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, slag, and wood, dark brown, moist, loose (fill)	0.0	
8'	12'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and slag, dark brown, moist, loose (fill)	0.0	Soil at 11-12'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB16**
Total Depth:	8'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and asphalt, dark brown, moist, loose (fill)	0.0	Soil at 0-3"
4"	8'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and slag, dark brown, moist, loose (fill)	0.0	Soil at 6-7'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB17**
Total Depth:	7'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, slag, and vegetation, dark brown, moist, loose (fill)	0.0	Soil at 0-3"
4"	7'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and slag, dark brown, moist, loose (fill)	0.0	Soil at 6-7'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB18**
Total Depth:	10'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	1'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, and silt, dark brown, moist, loose (fill)	0.0	Soil at 0-3"
1'	3.5'	SILTY CLAY, trace very fine to fine grained sand and gravel, brown, stiff (fill)	0.0	
3.5'	10'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and slag, dark brown, moist, loose (fill)	0.0	Soil at 9-10'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB19**
Total Depth:	7'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and vegetation, dark brown, moist, loose (fill)	0.0	Soil at 0-3"
4"	7'	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and slag, dark brown, moist, loose (fill)	0.0	Soil at 6-7'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

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

SOIL BORING LOG

Boring Data	
Boring ID:	**WMU27-SB20**
Total Depth:	10'

Proj. Name:	RTRR
Proj. Number:	10860
Site Address:	18251 West Jefferson
	Riverview, Michigan
Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Date Completed:	12/16/2019

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

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	4"	SAND, medium to coarse grained, trace very fine to fine grained sand, gravel, silt, and vegetation, dark brown, moist, loose (fill)	0.0	Soil at 0-3"
4"	10'	SAND, fine to medium grained, trace very fine grained sand, gravel, silt, and slag, dark brown, moist, loose (fill)	0.0	Soil at 9-10'
		End of Boring		

ppm = parts per million
MW = monitoring well
TW = temporary monitoring well
bgs = below ground surface
(USDA soil texture)

Attachment D
Laboratory Analytical Report

Waste Management Unit 27 Investigation

Fibertec
environmental
services

Friday, January 03, 2020

Fibertec Project Number:	94220
Project Identification:	5-10860 /5-10860
Submittal Date:	12/17/2019

Mr. Greg Oslosky
Applied Science & Technology, Inc. - Brighton
10448 Citation
Suite 100
Brighton, MI 48116

Dear Mr. Oslosky,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

Stephan. Wallace

By Stephannie Wallace at 10:30 AM, Jan 03, 2020

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB1-0-3"**	Chain of Custody:	**181437**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:37**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB1-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**13**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB1-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	770	50	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	770	50	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	770	50	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	770	50	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	770	50	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
6. Aroclor-1254	**7400**	J+	µg/kg	770	50	12/19/19	PS19L19F	01/02/20	SF20A02B	RDK
7. Aroclor-1260	**4000**	J+	µg/kg	770	50	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	770	50	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	770	50	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB1-11-12'**	Chain of Custody:	**181437**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:47**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB1-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**10**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB1-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
4. Aroclor-1242	**490**		µg/kg	100	5.0	12/19/19	PS19L19F	12/27/19	SC19L27C	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
6. Aroclor-1254	**460**	J+	µg/kg	100	5.0	12/19/19	PS19L19F	01/02/20	SF20A02B	RDK
7. Aroclor-1260	**560**	J+	µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB2-0-3"**	Chain of Custody:	**181437**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:57**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB2-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**7**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB2-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
7. Aroclor-1260	**300**		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB2-11-12'**	Chain of Custody:	**181437**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:06**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-004** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB2-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**13**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-004** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB2-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
4. Aroclor-1242	**150**		µg/kg	100	5.0	12/19/19	PS19L19F	12/27/19	SC19L27C	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
6. Aroclor-1254	**360**	J+	µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
7. Aroclor-1260	**360**	J+	µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB3-0-3"**	Chain of Custody:	**181437**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:13**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-005** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB3-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**9**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-005** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB3-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB3-11-12'**	Chain of Custody:	**181437**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:25**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-006** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB3-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**14**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-006** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB3-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
6. Aroclor-1254	**480**	J+	µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
7. Aroclor-1260	**920**	J+	µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB4-0-3"**	Chain of Custody:	**181437**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:34**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-007** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB4-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**8**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-007** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB4-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
7. Aroclor-1260	**210**		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB4-11-12'**	Chain of Custody:	**181437**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:41**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-008** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB4-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**14**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-008** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB4-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
7. Aroclor-1260	**540**	J+	µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
‡ 9. Aroclor-1268	**1600**	J+	µg/kg	390	25	12/19/19	PS19L19F	01/02/20	SF20A02B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB5-0-3"**	Chain of Custody:	**181437**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:47**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-009** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB5-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**7**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-009** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB5-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
6. Aroclor-1254	**180**	J+	µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
7. Aroclor-1260	**160**	J+	µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB5-9-10'**	Chain of Custody:	**181437**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:57**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-010** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB5-9-10'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**7**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-010** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB5-9-10'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB6-0-3"**	Chain of Custody:	**181438**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-011** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB6-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**3**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-011** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB6-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
6. Aroclor-1254	**180**	J+	µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
7. Aroclor-1260	**150**	J+	µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB6-8.5-9.5'**	Chain of Custody:	**181438**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:26**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-012** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB6-8.5-9.5'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**4**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-012** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB6-8.5-9.5'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	1400	100	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	1400	100	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	1400	100	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	1400	100	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	1400	100	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	1400	100	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
7. Aroclor-1260	**13000**		µg/kg	1400	100	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	1400	100	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	1400	100	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB7-0-3"**	Chain of Custody:	**181438**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:02**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-013** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB7-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**8**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-013** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB7-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB7-10.5-11.5"**	Chain of Custody:	**181438**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:13**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-014** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB7-10.5-11.5"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**15**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-014** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB7-10.5-11.5"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB8-0-3"**	Chain of Custody:	**181438**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:46**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-015** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB8-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**9**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-015** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB8-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/30/19	SF19L30A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB8-10-11'**	Chain of Custody:	**181438**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:56**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-016** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB8-10-11'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**9**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-016** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB8-10-11'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
7. Aroclor-1260	**370**		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB9-0-3"**	Chain of Custody:	**181438**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:26**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-017** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB9-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**8**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-017** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB9-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
7. Aroclor-1260	**220**		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB9-7-8'**	Chain of Custody:	**181438**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:39**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-018** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB9-7-8'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**7**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-018** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB9-7-8'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/26/19	SF19L26A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/26/19	SF19L26A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/26/19	SF19L26A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/26/19	SF19L26A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/26/19	SF19L26A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/26/19	SF19L26A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/26/19	SF19L26A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/26/19	SF19L26A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/26/19	SF19L26A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB10-0-3"**	Chain of Custody:	**181438**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:04**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-019** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB10-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**8**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-019** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB10-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB10-7-8'**	Chain of Custody:	**181438**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-020** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB10-7-8'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**6**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-020** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB10-7-8'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19F	12/20/19	SF19L20A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB11-0-3"**	Chain of Custody:	**181439**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:31**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-021** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB11-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**4**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-021** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB11-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB11-11-12'**	Chain of Custody:	**181439**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:43**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-022** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB11-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**13**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-022** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB11-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
7. Aroclor-1260	**110**		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB12-0-3"**	Chain of Custody:	**181439**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:52**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-023** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB12-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**9**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-023** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB12-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
7. Aroclor-1260	**240**		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB12-11-12'**	Chain of Custody:	**181439**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:03**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-024** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB12-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**13**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-024** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB12-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/27/19	SC19L27C	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB13-0-3"**	Chain of Custody:	**181439**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:11**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-025** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB13-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**10**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-025** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB13-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
7. Aroclor-1260	**270**		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB13-11-12'**	Chain of Custody:	**181439**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:19**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-026** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB13-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**9**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-026** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB13-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB14-0-3"**	Chain of Custody:	**181439**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:26**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-027** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB14-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**6**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-027** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB14-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB14-11-11.75"**	Chain of Custody:	**181439**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:34**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-028** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB14-11-11.75"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**12**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-028** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB14-11-11.75"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
7. Aroclor-1260	**110**		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB15-0-3"**	Chain of Custody:	**181439**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-029** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB15-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**8**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-029** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB15-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/21/19	SF19L20A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB15-11-12'**	Chain of Custody:	**181439**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:47**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-030** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB15-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**22**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-030** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB15-11-12'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	1700	100	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	1700	100	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	1700	100	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	1700	100	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	1700	100	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	1700	100	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
7. Aroclor-1260	**3600**		µg/kg	1700	100	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	1700	100	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	1700	100	12/19/19	PS19L19G	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB16-0-3"**	Chain of Custody:	**181440**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:34**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-031** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB16-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**5**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-031** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB16-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/19/19	PS19L19G	12/26/19	SF19L26A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB16-7-8'**	Chain of Custody:	**181440**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:37**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-032** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB16-7-8'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**9**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-032** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB16-7-8'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB17-0-3"**	Chain of Custody:	**181440**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:26**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-033** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB17-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**8**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-033** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB17-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB17-6-7'**	Chain of Custody:	**181440**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:31**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-034** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB17-6-7'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**8**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-034** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB17-6-7'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB18-0-3"**	Chain of Custody:	**181440**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:16**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-035** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB18-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**10**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-035** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB18-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
7. Aroclor-1260	**140**		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB18-9-10'**	Chain of Custody:	**181440**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:22**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-036** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB18-9-10'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**9**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-036** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB18-9-10'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	370	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	370	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	370	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	370	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	370	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	370	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
7. Aroclor-1260	**1400**		µg/kg	370	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	370	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	370	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB19-0-3"**	Chain of Custody:	**181440**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:08**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-037** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB19-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**9**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-037** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB19-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
4. Aroclor-1242	**120**		µg/kg	100	5.0	12/20/19	PS19L20B	12/27/19	SC19L27C	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
7. Aroclor-1260	**200**		µg/kg	100	5.0	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB19-6-7'**	Chain of Custody:	**181440**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:12**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-038** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB19-6-7'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**13**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-038** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB19-6-7'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB20-0-3"**	Chain of Custody:	**181440**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:53**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-039** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB20-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**7**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-039** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB20-0-3"**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-SB20-9-10'**	Chain of Custody:	**181440**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-040** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-SB20-9-10'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**25**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-040** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-SB20-9-10'**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/27/19	SF19L26A	RDK
2. Aroclor-1221	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/27/19	SF19L26A	RDK
3. Aroclor-1232	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/27/19	SF19L26A	RDK
4. Aroclor-1242	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/27/19	SF19L26A	RDK
5. Aroclor-1248	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/27/19	SF19L26A	RDK
6. Aroclor-1254	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/27/19	SF19L26A	RDK
7. Aroclor-1260	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/27/19	SF19L26A	RDK
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/27/19	SF19L26A	RDK
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	12/20/19	PS19L20B	12/27/19	SF19L26A	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-DUP1**	Chain of Custody:	**181441**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-041** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-DUP1**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**3**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-041** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-DUP1**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	340	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
2. Aroclor-1221	U		µg/kg	340	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
3. Aroclor-1232	U		µg/kg	340	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
4. Aroclor-1242	U		µg/kg	340	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
5. Aroclor-1248	U		µg/kg	340	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
6. Aroclor-1254	U		µg/kg	340	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
7. Aroclor-1260	**2300**		µg/kg	340	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
‡ 8. Aroclor-1262	U		µg/kg	340	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK
‡ 9. Aroclor-1268	U		µg/kg	340	25	12/20/19	PS19L20B	12/28/19	SF19L28B	RDK

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**WMU27-DUP2**	Chain of Custody:	**181441**
Client Project Name:	**5-10860**	Sample No:		Collect Date:	**12/16/19**
Client Project No:	**5-10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Water (Moisture) Content Dried at 105 ± 5°C **Aliquot ID: 94220-042** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: WMU27-DUP2**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**5**		%	1	1.0	12/19/19	MC191219	12/20/19	MC191219	DB

Polychlorinated Biphenyls (PCBs) **Aliquot ID: 94220-042** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: WMU27-DUP2**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Aroclor-1016	U		µg/kg	520	38	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
2. Aroclor-1221	U		µg/kg	520	38	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
3. Aroclor-1232	U		µg/kg	520	38	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
4. Aroclor-1242	U		µg/kg	520	38	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
5. Aroclor-1248	U		µg/kg	520	38	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
6. Aroclor-1254	U		µg/kg	520	38	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
7. Aroclor-1260	U		µg/kg	520	38	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
‡ 8. Aroclor-1262	U		µg/kg	520	38	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK
‡ 9. Aroclor-1268	U		µg/kg	520	38	12/20/19	PS19L20B	12/21/19	SF19L20A	RDK

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

J+ : The result is an estimated quantity, but the result may be biased high.

Analysis Locations:

All analyses performed in Holt.

Accreditation Number(s):

T104704518-19-8 (TX)

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # **181437**
PAGE 1 of 5

Client Name: ASTI Environmental
Contact Person: Greg Oslosky
Project Name/ Number: 5-10860
Email distribution list: goslosky@asti-env.com mdykla@asti-env.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS: PCBs	HOLD SAMPLE
12-16-19	937		WMUZ7-SB1-0-3"	S	1	X	
	947		WMUZ7-SB1-11-12'				
	957		WMUZ7-SB2-0-3"				
	1006		WMUZ7-SB2-11-12'				
	1013		WMUZ7-SB3-0-3"				
	1025		WMUZ7-SB3-11-12'				
	1034		WMUZ7-SB4-0-3"				
	1041		WMUZ7-SB4-11-12'				
	1047		WMUZ7-SB5-0-3"				
	1057		WMUZ7-SB5-9-10'				

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Remarks:

Received By Lab
DEC 17 2019
Initials: TA

Comments:

Sampled/Relinquished By: Mitchel Dykla	Date/ Time 12-16-19 1630	Received By: ASTI Cold Storage	
Relinquished By: ASTI Cold Storage	Date/ Time	Received By: Dale A. Shade	12/17/19 8:50
Relinquished By: Dale A. Shade	Date/ Time 12/17/19 1530	Received By Laboratory:	

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: 94220

Temperature upon receipt at Lab: 0.9°C

Received On Ice

Please see back for terms and conditions

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # **181438**

Client Name: ASTI Environmental
Contact Person: Greg Oslosky
Project Name/ Number: 5-10560
Email distribution list: goslosky@asti-env.com mdykt@asti-env.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS: PCBs	HOLD SAMPLE	Remarks
12-16-19	1220		WMUZ7-SB6-0-3"	S	1	X		
	1226		WMUZ7-SB6-8.5-9.5'					
	1202		WMUZ7-SB7-0-3"					
	1213		WMUZ7-SB7-10.5-11.5'					
	1146		WMUZ7-SB8-0-3"					
	1156		WMUZ7-SB8-10-11'					
	1126		WMUZ7-SB9-0-3"					
	1139		WMUZ7-SB9-7-8'					
	1104		WMUZ7-SB10-0-3"					
↓	1115		WMUZ7-SB10-7-8'	↓	↓	↓		

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Received By Lab
DEC 17 2019
Initials: TM

Comments:

Sampled/Relinquished By: Mitchel Dyble	Date/ Time 12-16-19 16:30	Received By: ASTI Cold Storage
Relinquished By: ASTI Cold Storage	Date/ Time	Received By: Valerie Shade 12/17/19 8:50
Relinquished By: Valerie Shade	Date/ Time 12/17/19 1530	Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: 94220

Received On Ice

Temperature upon receipt at Lab: 0.9oc

Please see back for terms and conditions

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
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email: asbestos@fibertecihs.com

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Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 181439

Client Name: AST I Environmental
Contact Person: Greg Oslosky
Project Name/ Number: 5-10860
Email distribution list: goslosky@asti-env.com mdykla@asti-env.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS: PCBs	HOLD SAMPLE
12-6-19	1231		WMU27-SB11-0-3"	S	1	X	
	1243		WMU27-SB11-11-12				
	1252		WMU27-SB12-0-3"				
	1303		WMU27-SB12-11-12'				
	1311		WMU27-SB13-0-3"				
	1319		WMU27-SB13-11-12'				
	1326		WMU27-SB14-0-3"				
	1334		WMU27-SB14-11-11.75'				
	1340		WMU27-SB15-0-3"				
	1347		WMU27-SB15-11-12'				

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Remarks:

Received By Lab
DEC 17 2019
Initials: TM

Comments:

Sampled/Relinquished By: Michel Dyl — Date/ Time 12-16-19 1630 — Received By: ASTI Cold Storage
Relinquished By: ASTI Cold Storage — Date/ Time — Received By:
Relinquished By: Dale T. Shade — Date/ Time 12/17/19 1530 — Received By Laboratory: Dale T. Shade 12/17/19 8:50

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days
X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY
Fibertec project number: 94220
Temperature upon receipt at Lab: 0.9°c
Received On Ice

Please see back for terms and conditions

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertecihs.com

Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # **181440**

Client Name: ASTI Environmental
Contact Person: Greg Oslosky
Project Name/ Number: 5-10860
Email distribution list: goslosky@asti-env.com mdyklaCasti-env.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PCB's	HOLD SAMPLE
12-16-19	1434		WMU27-SB16-0-3"	S	1	X	
	1437		WMU27-SB16-7-8'				
	1426		WMU27-SB17-0-3"				
	1431		WMU27-SB17-6-7'				
	1416		WMU27-SB18-0-3"				
	1422		WMU27-SB18-9-10'				
	1408		WMU27-SB19-0-3"				
	1412		WMU27-SB19-6-7'				
	1353		WMU27-SB20-0-3"				
	1400		WMU27-SB20-9-10				

Matrix Code

S	Soil	GW	Ground Water
A	Air	SW	Surface Water
O	Oil	WW	Waste Water
P	Wipe	X	Other: Specify

Deliverables: Level 2, Level 3, Level 4, EDD

Remarks:

Received By Lab
DEC 17 2019
Initials: TM

Comments:

Sampled/Relinquished By: Mitchel Dyer	Date/ Time 12-16-19 16:30	Received By: ASTI Cold Storage
Relinquished By: ASTI Cold Storage	Date/ Time	Received By: Dale A. Strode 12/17/19 8:50
Relinquished By: Dale A. Strode	Date/ Time 12/17/19 1530	Received By Laboratory:

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days
X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: 94220
Temperature upon receipt at Lab: 0.9°C
Received On Ice

Please see back for terms and conditions

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
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1914 Holloway Drive
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Geoprobe
11766 E. Grand River Rd.
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # **181441**
PAGE 5 of 5

Client Name: ASTI Environmental
Contact Person: Greg Glosky
Project Name/ Number: 5-10860
Email distribution list: ggloskyeastienv.com mdyklaeasti-env.com
Quote#
Purchase Order#

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS: PCBs	HOLD SAMPLE
12-16-19	—		WMW27-Dup1	S	1	X	
12-16-19	—		WMW27-Dup2	S	1	X	

Matrix Code: S Soil; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Deliverables: Level 2; Level 3; Level 4; EDD

Remarks:

Received By Lab
DEC 17 2019
Initials: JM

Comments:

Sampled/Relinquished By: [signature]	Date/ Time 12-16-19 16:30	Received By: ASTI Cold Storage
Relinquished By: ASTI Cold Storage	Date/ Time	Received By: [signature] 12/17/19 8:50
Relinquished By: [signature]	Date/ Time 12/17/19 1530	Received By Laboratory: [signature]

Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY

_____1 bus. day _____2 bus. days _____3 bus. days _____4 bus. days

X 5-7 bus. days (standard) Other (specify time/date requirement): _____

LAB USE ONLY

Fibertec project number: 94220

Temperature upon receipt at Lab: 0.9oC

Received On Ice

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- **ENVIRONMENTAL ASSESSMENTS AND IMPACT STATEMENTS**
- **ENVIRONMENTAL OPPORTUNITIES ASSESSMENT**
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- **HAZARD MITIGATION PLANNING**
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- **SOIL AND GROUNDWATER REMEDIATION**
- **STORAGE TANK COMPLIANCE AND CLOSURE**
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