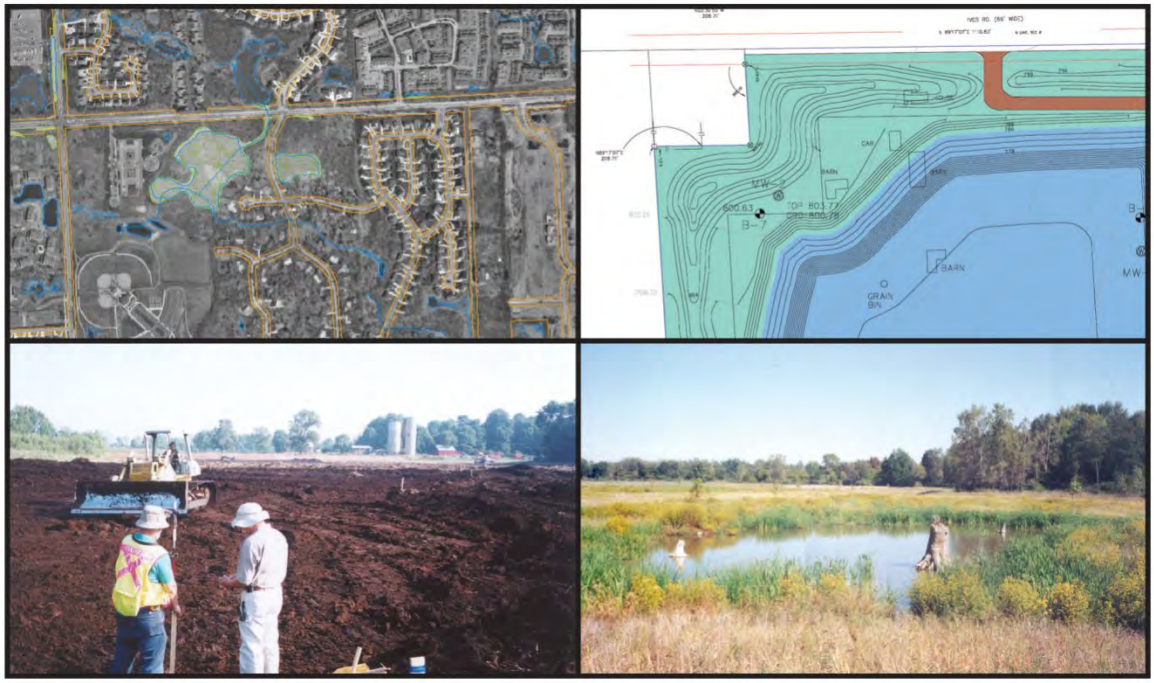
Addendum 1 - Phase I Completion Report
Waste Management Unit 29 Remediation

RTRR Property
18251 West Jefferson Avenue
Riverview, Michigan

Riverview-Trenton Railroad Company

August 13, 2021

ASTI ENVIRONMENTAL



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Waste Management Unit 29 Remediation

RTRR Property
18251 West Jefferson Avenue
Riverview, Michigan

August 13, 2021

Prepared For:

Riverview-Trenton Railroad Company
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Environmental Scientist

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Riverview, Michigan

1.0 Introduction

In accordance with the Corrective Action Consent Order ("CACO") dated November 1, 2018 between the Riverview-Trenton Railroad Company ("RTRR") and the Michigan Department of Environment, Great Lakes, and Energy ("EGLE"), ASTI Environmental ("ASTI") prepared this Addendum to the Phase I Completion Report for the property located at 18251 West Jefferson Avenue in the City of Riverview, Wayne County, Michigan ("Subject Property"). The portion of the Subject Property located south of Sibley Road is located in the City of Trenton. This report serves as an addendum to the Phase I Completion Report for the Subject Property completed by ASTI and submitted to EGLE on April 19, 2021. Figure 1 provides a Site Plan for the Subject Property.

During preliminary review of the Phase I Completion Report, EGLE provided verbal comment to RTRR to complete the removal of the concrete pad and soil impacted with polychlorinated biphenyls ("PCBs") in Waste Management Unit ("WMU") 29. Based on the verbal comment received from EGLE, RTRR prepared the Work Plan for Verification Sampling and PCB Impacted Soil Removal at WMU-29 ("WMU-29 Work Plan"). ASTI submitted the WMU-29 Work Plan to EGLE on May 26, 2021. EGLE provided their approval of the WMU-29 Work Plan with conditions in a letter dated May 26, 2021. A copy of the May 26, 2021 EGLE Approval Letter is included as Attachment A.

2.0 WMU-29 Background

WMU-29 was a concrete block building constructed around 1980 which measured approximately 46 feet by 20 feet. The building was used to store containers of transformers containing PCBs and materials in compliance with the Toxic Substance Control Act ("TSCA") regulations. The building was demolished by early 2001 and only the concrete pad and secondary containment curbs remain. Additional background information for the Subject Property and WMU-29 are included in the Phase I Completion Report (ASTI, April 19, 2021) and the Waste Management Unit 29 Soil Investigation Report prepared by ASTI and submitted to EGLE on January 19, 2021. The location of WMU-29 is shown on Figure 1.

Concrete sampling was previously conducted in the WMU-29 area during multiple sampling events. PCBs were detected at concentrations exceeding 25 milligrams per kilogram ("mg/kg" or parts per million ["ppm"]). Concrete cleaning took place with the use of a pressure washer concrete sampling indicated that PCB concentrations exceeding 25 ppm were still present after the cleaning event. The historical concrete sample locations are depicted on Figure 2. Laboratory analytical data and data summary tables for the available historical data are included in Attachment B.

The historical concrete sample collected from the soil boring identified as W29-02 (Figure 2) contained a PCB concentration of 1,400 ppm and the remaining historical concrete samples contained PCB concentrations below 25 ppm.

Historical soil samples have been collected from beneath the concrete pad; however, PCB concentrations exceeding 25 ppm were not delineated during collection of historical samples. Soil samples collected from historical borings W29-01 and W29-02 contained PCB concentrations greater than 25 ppm in samples collected between zero and one foot below ground surface ("bgs"). Composite soil samples and grab soil samples were collected from areas around the concrete pad historically and no samples contained concentrations of PCBs exceeding 25 ppm. The historical soil sample locations within the concrete pad are included in Figure 2. Sample location maps and PCB data for the historical soil samples are included in Attachment B. The locations of soil samples collected beneath the concrete pad are shown on Figure 3.

In December 2019, ASTI collected installed 14 soil borings adjacent to the concrete pad and 2 soil borings beneath the concrete pad. ASTI collected two soil samples from each boring and PCB concentrations were below 25 ppm with one exception. The soil sample collected from soil boring WMU29-15 in the zero to three-inch (measured below the bottom of the concrete pad) interval contained a concentration of total PCBs of 2,200 ppm. The deeper sample collected from the same boring (six feet to seven feet) did not contain PCBs in exceedance of 25 ppm. The locations of the soil borings conducted in December 2019 are included in Figure 3 and the December 2019 PCB data summary table is provided as Attachment C.

3.0 WMU-29 PCB Remediation Activities

3.1 July 6, 2021 Verification Sample Collection

In accordance with the WMU-29 Work Plan, ASTI collected concrete and soil verification samples from nine soil borings within the remaining concrete pad at WMU-29. The soil boring locations, provided in the WMU-29 Work Plan, were chosen to provide delineation of PCB-impacted concrete and PCB-impacted soils beneath the pad with consideration to the limited concrete and soil sampling previously conducted. One concrete sample and two soil samples were collected from each boring location for laboratory analysis of PCBs. ASTI collected soil samples from the intervals one foot to two feet below the top of the concrete pad and two feet to three feet below the top of the concrete pad. Additionally, ASTI collected one duplicate soil sample. Concrete sample locations are depicted in Figure 2 and the soil verification samples are depicted in Figure 3.

Prior to drilling, ASTI contacted Michigan's MISS Dig Underground Utility Safety Notification System ("MISS Dig") to locate any underground utilities in the area of WMU-29. No known underground utilities exist in the WMU-29 area. ASTI contracted a licensed driller to install nine soil borings beneath the WMU-29 concrete pad on July 6, 2021. The soil borings were identified as SB-17 through SB-25. The soil borings were installed with the use of a Geoprobe® hydraulic direct push drill rig. Each boring was installed to a depth of approximately three feet below the top of the concrete pad. An ASTI scientist scanned the soil cuttings with a photoionization detector ("PID") and logged the lithology. The soil boring logs for the soil borings installed during verification sampling are provided as Attachment D.

The drill rig pulverized the concrete and ASTI collected samples of the pulverized concrete for PCB analysis. The concrete samples were given a unique identification number including the soil boring location and the depth interval of zero to one foot. For example, the concrete sample collected from SB-17 was identified as SB-17 (0-1').

ASTI collected one soil sample in each boring from the intervals described above. Each soil sample was given a unique identification including the soil boring location and depth interval. For example, the soil sample collected from the one-foot to two-feet interval in SB-17 was identified as SB-17 (1'-2'). Additionally, one duplicate soil sample was collected from soil boring SB-20 in the one foot and two feet interval.

The soil and concrete samples were placed into laboratory-provided bottle ware and placed on ice immediately after collection. The sample identification information was logged on a chain-of-custody form and recorded in the field logbook. The samples were delivered to Fibertec Environmental Services ("Fibertec") in Holt, Michigan for PCB analysis using standard chain-of-custody procedures.

3.2 Laboratory Analytical Results

In accordance with the WMU-29 Work Plan, ASTI compared the laboratory analytical data for the concrete and soil samples to 25 ppm, the cleanup level for bulk PCB remediation waste in low occupancy areas as defined in 40 CFR §761.61(a)(4)(i)(B). A low occupancy area is defined as any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is less than 335 hours (an average of 6.7 hours per week) for bulk PCB remediation waste.

Concrete Verification Samples

The laboratory analytical results for the concrete verification samples collected on July 6, 2021 reported PCB concentrations below the laboratory reporting limit or less than 25 ppm in each sample with one exception. The concrete sample collected from SB-21 (SB-21 0-1') contained a PCB concentration of 83 ppm. Table 1 provides a summary of the laboratory analytical results for the concrete verification samples collected on July 6, 2021. Table 1 provides the concentrations in micrograms per kilogram (µg/kg or parts per billion). Figure 2 depicts the locations of PCB concentrations in concrete which exceeded 25 ppm, including historical samples. Attachment E includes the laboratory analytical report and chain-of-custody documentation for the concrete verification samples.

Soil Verification Samples

The laboratory analytical results for the soil verification samples collected on July 6, 2021 reported that each of the soil verification samples contained PCB concentrations below the laboratory reporting limit or below 25 ppm. Table 2 provides a summary of the laboratory analytical results for the soil verification samples collected on July 6, 2021. The laboratory analytical results in Table 2 are provided in µg/kg. Figure 3 depicts the soil boring locations and historical locations of PCB concentrations in soil which exceeded 25 ppm. Attachment E includes the laboratory analytical report and chain-of-custody documentation for the soil verification samples.

3.3 PCB Remedial Excavation

Based on historical sampling and verification sampling conducted on July 6, 2021, ASTI determined the area of PCB-impacted soil for excavation and removal from the site. The entire concrete pad was removed from the site and properly disposed as PCB-containing or non-PCB-containing waste. PCB impacts were determined by concentrations exceeding 25 ppm, based on historical sampling completed by others and verification samples collected by ASTI on July 6, 2021. Impacted media with concentrations exceeding 25 ppm was removed from the Subject Property and disposed as PCB-containing waste.

ASTI contracted ERG Environmental Services ("ERG") to perform the removal of PCB-impacted concrete and soil in the WMU-29 area. Prior to excavation activities, ASTI contacted MISS Dig to verify that no known utilities existed in the area of excavation. Removal activities began on July 28, 2021 and were completed on July 30, 2021.

ASTI and ERG mobilized to the Subject Property on July 28, 2021 Prior to cutting the concrete for removal, ASTI marked the surface of the concrete which required disposal as PCB-containing waste (PCB concentrations greater than 25 ppm). Figure 2 depicts the concrete pad, including the area of concrete which required disposal as PCB-containing waste. The concrete outside of that marked area was disposed off site as non-PCB waste. ERG cut around the PCB-impacted concrete before breaking and removing that section. ERG then used a hydraulic hammer to break the pad into pieces of manageable size for loading, transport, and disposal. The PCB-impacted concrete was loaded directly into roll off boxes and staged onsite until transported offsite for proper disposal on August 5, 2021. ERG used the hydraulic hammer to break the non-PCB containing concrete into manageable size pieces and staged the concrete onsite before loading into roll off boxes. The non-PCB containing concrete was transported off site for disposal as construction debris. Attachment F includes a Photolog with photos of the concrete remediation activities.

On August 5, 2021, ERG picked up the roll off boxed containing the PCB-impacted concrete for transport off site to Wayne Disposal, Inc. located at 49350 North I-94 Service Drive, Belleville, Michigan ("Wayne Disposal") for disposal as PCB Debris.

During concrete removal, a footer was discovered beneath the outer edge of the pad. The footer extended to a depth of approximately six feet bgs. Two roll off boxes were transported to Wayne Disposal with a total weight of 26.58 tons. Copies of the waste disposal manifests are included as Attachment G.

After removal of the concrete pad, ASTI marked the footprint of soil which required excavation and removal from the Subject Property for proper disposal as PCB-containing waste. Figure 3 depicts the footprint of soil which required excavation and off-site disposal as PCB-containing waste. Soil within that footprint was excavated to a depth of approximately three feet below ground surface. Excavated soil was placed directly into roll off boxes with the PCB-impacted concrete pending transport off site for proper disposal. Attachment G includes the waste manifests for PCB-containing waste. Photos of the soil excavation and loading activities are in included in the Photo Log provided as Attachment F.

The excavation was backfilled with class II sand imported to the Subject Property from the StoneCo quarry located in Ann Arbor, Michigan ("StoneCo"). Prior to transporting the backfill material on to the Subject Property, ASTI collected a sample of the class II sand from the

StoneCo quarry for laboratory analysis of the Michigan 10 Metals (arsenic, barium, cadmium, total chromium, copper, lead, mercury, selenium, silver, and zinc) per EGLE's request. ASTI collected one sample of the class II sand on July 27, 2021 and delivered the sample to Fibertec the same day using standard chain of custody procedures.

The laboratory analytical results for the class II sand backfill sample indicated concentrations of the Michigan 10 Metals below laboratory reporting limits or below the Non-Residential Cleanup Criteria under Part 201 of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as Amended (Part 201). Table 3 provides a summary of the laboratory analytical data for the class II sand backfill laboratory analysis. The laboratory analytical report and chain-of-custody documentation for the class II sand backfill sample is provided in Attachment E.

Approximately 28 tons of class II sand was delivered to the Subject Property on July 30, 2021 and placed into the excavation. The excavation was backfilled to grade and compacted with the excavator. Photos of the completed excavation are included in the Photolog provided as Attachment F.

4.0 Conclusions

In accordance with the CACO, the WMU-29 concrete pad was removed from the Subject Property for proper disposal. Based on historical soil and concrete sampling and verification sampling conducted by ASTI on July 6, 2021, ASTI determined the volume of concrete that required disposal as PCB-containing waste. The remainder of the concrete pad was disposed as non-PCB material. Sampling results also provided horizontal and vertical delineation of soils impacted with PCBs in excess of 25 ppm. The impacted soil and concrete were excavated and removed from the Subject Property for proper disposal at Wayne Disposal, Inc. on August 5, 2021.

Historical concrete sample W29-02-C and concrete verification sample SB-21 0-1' both contained PCB concentrations in exceedance of 25 ppm. Delineation of PCB-impacted concrete was provided by PCB concentrations below 25 ppm in verification samples collected from soil borings SB-19, SB-20, SB-21, SB-23, and SB-24. PCB-impacted concrete was removed from the Subject Property for proper disposal. The remaining concrete was also removed from the Subject Property and disposed as non-PCB-containing material.

Historical soil samples W29-02-06, W29-02-612, W29-01-06, W29-01-612, and WMU-SB-15-0-3" contained PCB concentrations exceeding 25 ppm. Soil verification samples did not detect PCBs in exceedance of 25 ppm. Soil delineation to 25 ppm was provided through collection of soil samples collected in December 2019 from soil borings SB-3 and SB-4 and from soil verification borings SB-19, SB-20, SB-21, SB-23, and SB-24.

The remedial excavation conducted between July 28 and July 30, 2021 removed the concrete pad and soil beneath the pad impacted with PCBs exceeding 25 ppm. Concrete with PCB concentrations greater than 25 ppm and PCB-impacted soil were transported off site, to a disposal facility for proper disposal using standard waste manifest procedure. The remaining concrete pad, concrete with PCB concentrations less than 25 ppm, was transported off site and disposed as construction debris.

Based on concrete and soil verification sampling, and removal of concrete and soil impacted with PCBs greater than 25 ppm, the WMU-29 area has been remediated to meet the cleanup level for bulk PCB remediation waste in low occupancy areas without the requirement for engineering controls (i.e., fencing or a cap).

In accordance with CFR 761.61(a)(8), within 60 days of completion the cleanup activity, RTRR will record a notation on the Subject Property deed that the land has been used for PCB remediation waste disposal and is restricted to use as a low occupancy area as defined in CFR 761.3.

5.0 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

Tables

Addendum – Phase I Completion Report
WMU-29 Remediation

Table 1 Summary of Laboratory Analytical Results
Concrete Samples
July 6, 2021
RTRR - Riverview
18251 West Jefferson Ave., Riverview, MI
ASTI Project No.: 10860

Parameters	TSCA PCB Cleanup Level for Low Occupancy µg/kg[1]	Units	Sample Location	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-23	SB-24	SB-25
			Sample Identification	SB-17 (0' - 1')	SB-18 (0' - 1')	SB-19 (0' - 1')	SB-20 (0' - 1')	SB-21 (0' - 1')	SB-22 (0' - 1')	SB-23 (0' - 1')	SB-24 (0' - 1')	SB-25 (0' - 1')
			Depth[2]	(0' - 1')	(0' - 1')	(0' - 1')	(0' - 1')	(0' - 1')	(0' - 1')	(0' - 1')	(0' - 1')	(0' - 1')
			Date Collected	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21
			Media	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Polychlorinated Biphenyls (PCBs)												
PCB, Aroclor 1016		µg/kg		<100[3]	<350	<100	<720	<35,000	<100	<360	<100	<1,500
PCB, Aroclor 1221		µg/kg		<100	<350	<100	<720	<35,000	<100	<360	<100	<1,500
PCB, Aroclor 1232		µg/kg		<100	<350	<100	<720	<35,000	<100	<360	<100	<1,500
PCB, Aroclor 1242		µg/kg		<100	<350	**120**	<720	<35,000	<100	**1,500**	**220**	**21,000**
PCB, Aroclor 1248		µg/kg		<100	<350	<100	<720	<35,000	<100	<360	<100	<1,500
PCB, Aroclor 1254		µg/kg		<100	<350	<100	**2,600**	**83,000**	**510**	**1,500**	**140**	<1,500
PCB, Aroclor 1260		µg/kg		<100	**1,800**	<100	<720	<35,000	<100	<360	<100	<1,500
PCB, Aroclor 1262		µg/kg		<100	<350	<100	<720	<35,000	<100	<360	<100	<1,500
PCB, Aroclor 1268		µg/kg		<100	<350	<100	<720	<35,000	<100	<360	<100	<1,500
Total PCBs (J,T)	25,000	µg/kg		<100	**1,800**	**120**	**2,600**	**83,000**	**510**	**3,000**	**360**	**21,000**

Notes:
1 - "µg/kg" - micrograms per kilogram or parts per billion
2 - All samples collected from the concrete pad.
3 - "<" indicates concentration below laboratory reporting limit
Bold indicates concentration above the laboratory reporting limit
Bold and shading indicates exceedance of Cleanup Leve

Table 2 Summary of Laboratory Analytical Results
Soil Samples
July 6, 2021
RTRR - Riverview
18251 West Jefferson Ave., Riverview, MI
ASTI Project No.: 10860

Parameters	TSCA PCB Cleanup Level for Low Occupancy µg/kg[1]	Units	Sample Location	SB-17		SB-18		SB-19		SB-20			SB-21	
			Sample Identification	SB-17 (1' - 2')	SB-17 (2' - 3')	SB-18 (1' - 2')	SB-18 (2' - 3')	SB-19 (1' - 2')	SB-19 (2' - 3')	SB-20 (1' - 2')	Dup-1s	SB-20 (2' - 3')	SB-21 (1' - 2')	SB-21 (2' - 3')
			Depth[2]	(1' - 2')	(2' - 3')	(1' - 2')	(2' - 3')	(1' - 2')	(2' - 3')	(1' - 2')	(1' - 2')	(2' - 3')	(1' - 2')	(2' - 3')
			Date Collected	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21
			Media	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Polychlorinated Biphenyls (PCBs)														
PCB, Aroclor 1016		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100	<100	<740	<720
PCB, Aroclor 1221		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100	<100	<740	<720
PCB, Aroclor 1232		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100	<100	<740	<720
PCB, Aroclor 1242		µg/kg		**140**	**210**	**280**	**250**	**300**	**330**	**350**	**210**	**300**	<740	<720
PCB, Aroclor 1248		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100	<100	<740	<720
PCB, Aroclor 1254		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100	<100	**2,300**	**2,900**
PCB, Aroclor 1260		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100	<100	<740	<720
PCB, Aroclor 1262		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100	<100	<740	<720
PCB, Aroclor 1268		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100	<100	<740	<720
Total PCBs (J,T)	25,000	µg/kg		**140**	**210**	**280**	**250**	**300**	**330**	**350**	**210**	**300**	**2,300**	**2,900**

Notes:
1 - "µg/kg" - micrograms per kilogram or parts per billion
2 - feet below the top of the concrete pad
3 - "<" indicates concentration below laboratory reporting limit
Bold indicates concentration above the laboratory reporting limit
Bold and shading indicates exceedance of Cleanup Lev

Table 2 Summary of Laboratory Analytical Results
Soil Samples
July 6, 2021
RTRR - Riverview
18251 West Jefferson Ave., Riverview, MI
ASTI Project No.: 10860

Parameters	TSCA PCB Cleanup Level for Low Occupancy µg/kg[1]	Units	Sample Location	SB-22		SB-23		SB-24		SB-25	
			Sample Identification	SB-22 (1' - 2')	SB-22 (2' - 3')	SB-23 (1' - 2')	SB-23 (2' - 3')	SB-24 (1' - 2')	SB-24 (2' - 3')	SB-25 (1' - 2')	SB-25 (2' - 3')
			Depth[2]	(1' - 2')	(2' - 3')	(1' - 2')	(2' - 3')	(1' - 2')	(2' - 3')	(1' - 2')	(2' - 3')
			Date Collected	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21	07/06/21
			Media	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Polychlorinated Biphenyls (PCBs)											
PCB, Aroclor 1016		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100
PCB, Aroclor 1221		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100
PCB, Aroclor 1232		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100
PCB, Aroclor 1242		µg/kg		**240**	**240**	**190**	**160**	**130**	<100	**320**	**290**
PCB, Aroclor 1248		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100
PCB, Aroclor 1254		µg/kg		<100	<100	**250**	**150**	<100	<100	<100	<100
PCB, Aroclor 1260		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100
PCB, Aroclor 1262		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100
PCB, Aroclor 1268		µg/kg		<100	<100	<100	<100	<100	<100	<100	<100
Total PCBs (J,T)	25,000	µg/kg		**240**	**240**	**440**	**310**	**130**	<100	**320**	**290**

Notes:
1 - "µg/kg" - micrograms per kilogram or parts per billion
2 - feet below the top of the concrete pad
3 - "<" indicates concentration below laboratory reporting limit
Bold indicates concentration above the laboratory reporting limit
Bold and shading indicates exceedance of Cleanup Lev

Figures

Addendum – Phase I Completion Report
WMU-29 Remediation

LEGEND

Subject Property

WMU Area

0 400 800 1200

Approximate Scale in Feet

RTRR - WMU-29 Investigation

18251 West Jefferson Avenue, Riverview, MI

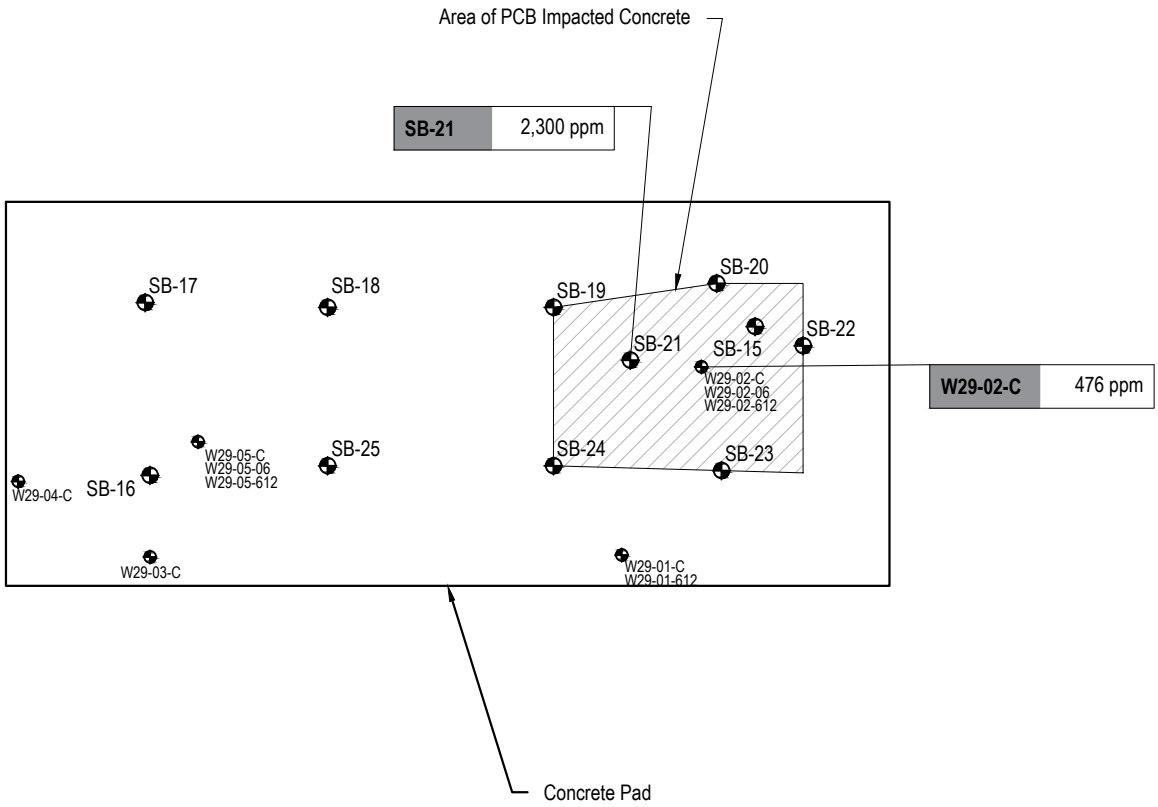
ASTI Environmental

N

Created for: Riverview-Trenton Railroad Company

Figure 1 - RTRR Site Plan

ASTI Project 10860, JRN/JMD, August 10, 2021



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GRAPHIC SCALE

0 5 10 20

1 inch = 10 ft.
Paper Size = (8.5x11)

LEGEND

Soil Boring Location

PCB Impacted Concrete

N

ASTI Environmental

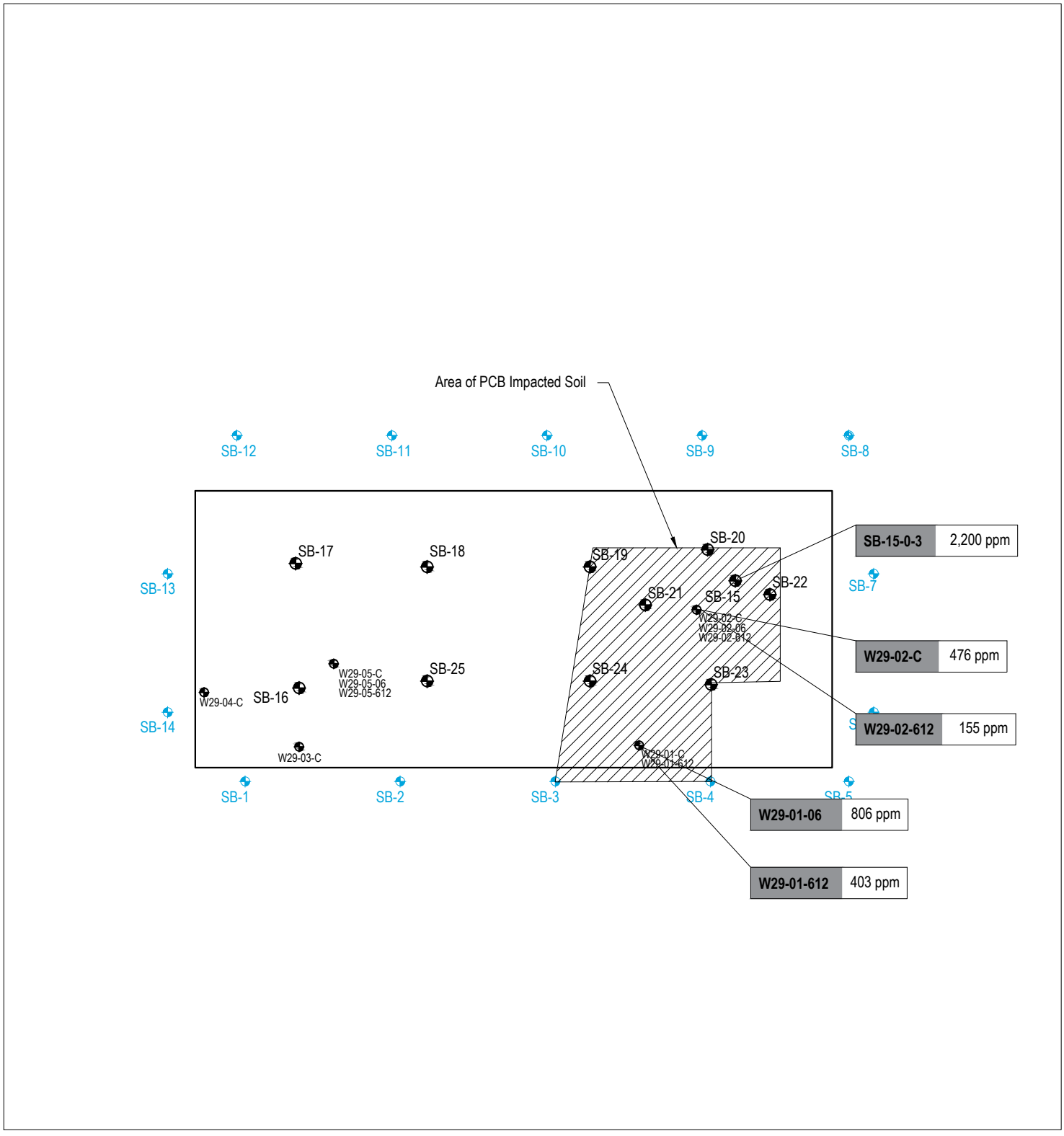
RTRR Property

18251 West Jefferson, Riverview, MI

Created for: Riverview-Trenton Railroad Company

ASTI Project 10860, JRN, August 10, 2021

Figure 2 - WMU-29 Concrete Sample Locations and Area of PCB-Impacted Concrete



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GRAPHIC SCALE

0 5 10 20

1 inch = 10 ft.
Paper Size = (8.5x11)

LEGEND

- Soil Boring Location
- Concrete / Soil Boring Locations
- PCB Impacted Soil

N

ASTI Environmental

RTRR Property

18251 West Jefferson, Riverview, MI

Created for: Riverview-Trenton Railroad Company

ASTI Project 10860, JRN, August 10, 2021

Figure 3 - WMU-29 Soil Sample Location and Area of PCB-Impacted Soil

Attachment A
EGLE Work Plan Approval Letter, February 19, 2021

Phase I Completion Report
WMU-29 Remediation

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
LANSING

GRETCHEN WHITMER
GOVERNOR

LIESL EICHLER CLARK
DIRECTOR

June 9, 2021

VIA E-MAIL AND U.S. MAIL

Mr. Greg Oslosky, Director
Western Great Lakes Office
ASTI Environmental
660 Cascade West Parkway SE, Suite 210
Grand Rapids, Michigan 49546

Dear Mr. Oslosky:

SUBJECT: Approval of Work Plan pursuant to Corrective Action Consent Order No. 111-06-2018 (CACO); Riverview Trenton Railroad Company (RTRR); Riverview, Michigan, and Trenton, Michigan; MIK 420 024 889; Waste Data System Number 497352

The Michigan Department of Environment, Great Lakes, and Energy (EGLE), Materials Management Division (MMD), has completed its review of the *Verification Sampling and PCB Impacted Soil Removal for Waste Management Unit 29* (Work Plan) at the RTRR site, submitted by ASTI Environmental on May 26, 2021. The Work Plan was reviewed for compliance with the applicable sections of Part 111, Hazardous Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and its administrative rules, as well as the site's current CACO. Based on the review, the Work Plan is approved, with the following conditions:

1. Excavated soils must be staged on plastic sheeting (or like material) to prevent contamination of non-polychlorinated biphenyl-contaminated soil or else loaded directly onto transport vehicles.

2. The Work Plan made no mention whether the excavation will be backfilled. Prior to backfilling (if planning to do so), please contact EGLE to discuss appropriate fill material.

3. Please include boring logs for all soil borings as part of the addendum to the Phase I Completion Report.

If you have any questions, please contact me at 517-242-8496; RungeJ@Michigan.gov; or EGLE, MMD, P.O. Box 30241, Lansing, Michigan 48909-7741.

Sincerely,

Jacob Runge, Environmental Engineer
Management and Tracking Unit
Hazardous Waste Section
Materials Management Division
517-242-8496

cc: Mr. Tom Wackerman, President, ASTI Environmental
Mr. Dennis Schreibeis, Director, Crown Enterprises, Inc.
Mr. Richard Conforti, EGLE
Mr. John McCabe, EGLE
Ms. Jennifer Hazelton, EGLE
Mr. Nathan Erber, EGLE
Corrective Action File

Attachment B
Historical PCB Data and Sample Location Maps

Phase I Completion Report
WMU-29 Remediation

DRAFT

Table 3

TSCA Storage Building (WMU-29)

Summary of Detected Soil Composite Sample Analytical Results

Detroit Steel Company

Trenton, Michigan

(Units as Given)

Site Identification:		Composite 1	Composite 2	Composite 3	Composite 4	Composite 5	Composite 6
Sample Identification:		L13221-42	L13221-43	L13221-44	L13221-45	L13221-46	L13221-47
Sample Date:		01/15/01	01/15/01	01/12/01	01/15/01	01/15/01	01/15/01
Sampled By:		ETCO	ETCO	ETCO	ETCO	ETCO	ETCO
Analyzed By:		Huron	Huron	Huron	Huron	Huron	Huron
Depth:		-	-	-	-	-	-
Comments:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
PCBs	*Units*						
Aroclor 1242	ug/kg	210	<47	140	34	190	35
Aroclor 1254	ug/kg	290	<47	410	350	120	350
Aroclor 1260	ug/kg	250	1100	250	310	550	310
PCB, total	ug/kg	760	1100	800	700	860	690
Parameters	*Units*						
Solids, total	%	86.72	88.37	86.75	88.35	79.99	86.66

J = Estimated value

NOTE: - Shaded values exceed the 10,000 ug/kg criterion for PCBs in "restricted access areas" as defined under the Spill Cleanup Policy of the Toxic Substances Control Act (TSCA).

D R A F T

Table 2

TSCA Storage Building (WMU-29)

Summary of Detected Soil Grab Sample

Analytical Results

Detroit Steel Company

Trenton, Michigan

(Units as Given)

Site Identification:		W29-15-06	W29-16-06	W29-17-06	W29-20-06	W29-21-06	W29-22-06	W29-23-06	W29-24-06
Sample Identification:		L13221-21	L13221-22	L13221-23	L13221-24	L13221-25	L13221-26	L13221-16	L13221-17
Sample Date:		01/12/01	01/12/01	01/12/01	01/12/01	01/12/2001	01/12/2001	01/12/2001	01/12/01
Sampled By:		ETCO	ETCO	ETCO	ETCO	ETCO	ETCO	ETCO	ETCO
Analyzed By:		Huron	Huron	Huron	Huron	Huron	Huron	Huron	Huron
Depth:		0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"
Comments:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
PCBs	*Units*								
Aroclor 1242	ug/kg	300	<1200	140	220 J	190	77	290	410 J
Aroclor 1254	ug/kg	1500	<1200	54	150 J	110	71	130	170 J
Aroclor 1260	ug/kg	1400	<1200	170	80 J	53	35	160	60 J
PCB, total	ug/kg	3100	<1200	360	450 J	360	180	580	630 J
Parameters	*Units*								
Solids, total	%	81.75	85.99	84.05	86.37	85.32	84.05	85.41	88.39

Site Identification:		W29-25-06	W29-28-06	W29-102-06	W29-29-06	W29-32-06	W29-33-06	W29-34-06	W29-103-06
Sample Identification:		L13221-18	L13221-27	L13221-28	L13221-29	L13221-30	L13221-31	L13221-32	L13221-33
Sample Date:		01/12/01	01/15/01	01/15/2001	01/15/01	01/15/01	01/15/2001	01/15/2001	01/15/2001
Sampled By:		ETCO	ETCO	ETCO	ETCO	ETCO	ETCO	ETCO	ETCO
Analyzed By:		Huron	Huron	Huron	Huron	Huron	Huron	Huron	Huron
Depth:		0-6"	0-6"	Duplicate of W29-28-06	0-6"	0-6"	0-6"	0-6"	Duplicate of W29-34-06
Comments:		SOIL	SOIL		SOIL	SOIL	SOIL	SOIL	
PCBs	*Units*								
Aroclor 1242	ug/kg	140	140	150 J	170	220	150	300	310
Aroclor 1254	ug/kg	58	250	370 J	75	79	72	210	220
Aroclor 1260	ug/kg	49	660	560 J	31	34	54	39	51
PCB, total	ug/kg	250	1100	1100 J	270	330	280	550	580
Parameters	*Units*								
Solids, total	%	83.50	86.69	86.09	89.21	89.46	88.49	85.45	88.48

D R A F T

Table 2
TSCA Storage Building (WMU-29)
Summary of Detected Soil Grab Sample
Analytical Results
Detroit Steel Company
Trenton, Michigan
(Units as Given)

Site Identification:		W29-35-06	W29-36-06	W29-37-06	W29-40-06	W29-41-06	W29-42-06	W29-104-06
Sample Identification:		L13221-34	L13221-35	L13221-40	L13221-36	L13221-37	L13221-39	L13221-38
Sample Date:		01/15/2001	01/15/01	01/15/01	01/15/01	01/15/01	01/15/01	01/15/2001
Sampled By:		ETCO	ETCO	ETCO	ETCO	ETCO	ETCO	ETCO
Analyzed By:		Huron	Huron	Huron	Huron	Huron	Huron	Huron
Depth:		0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	Duplicate of W29-42-06
Comments:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
PCBs	*Units*							
Aroclor 1242	ug/kg	280	80	280	150	<240	190	180
Aroclor 1254	ug/kg	190	84	250	63	<240	77	70
Aroclor 1260	ug/kg	51	81	92	<26	4000	31	28
PCB, total	ug/kg	520	240	620	210	4000	300	280
Parameters	*Units*							
Solids, total	%	81.40	81.42	97.90	81.48	85.46	87.04	86.69

J = Estimated Value

NOTE: - Shaded values exceed the 10,000 ug/kg criterion for PCBs in "restricted access areas" as defined under the Spill Cleanup Policy of the Toxic Substances Control Act (TSCA).

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Table 4

TSCA Storage Building (WMU-29)

Summary of Detected Concrete Sample Analytical Results

Detroit Steel Company

Trenton, Michigan

(Units as Given)

Site Identification:		W29-01-C	W29-02-C	W29-03-C	W29-04-C	W29-05-C
Sample Identification:		L13221-48	L13221-49	L13221-50	L13221-51	L13221-52
Sample Date:		01/15/01	01/15/01	01/15/2001	01/15/2001	01/15/2001
Sampled By:		ETCO	ETCO	ETCO	ETCO	ETCO
Analyzed By:		Huron	Huron	Huron	Huron	Huron
Depth:		-	-	-	-	-
Comments:		CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE
PCBs	*Units*					
Aroclor 1242	ug/kg	2200 J	<11000	<86	<86	<86 UJ
Aroclor 1254	ug/kg	2100 J	1400000	1900	590	240 J
Aroclor 1260	ug/kg	540 J	<11000	<86	<86	100 J
PCB, total	ug/kg	4800 J	1400000	1900	590	350 J
Parameters	*Units*					
Solids, total	%	97.00	96.31	95.21	93.75	94.18

J = Estimated value

NOTE: - Shaded values exceed the 10,000 ug/kg criterion for PCBs in "restricted access areas" as defined under the Spill Cleanup Policy of the Toxic Substances Control Act (TSCA).

DRAFT

Table 4

TSCA Storage Building (WMU-29)

Summary of Detected Concrete Sample Analytical Results

Detroit Steel Company

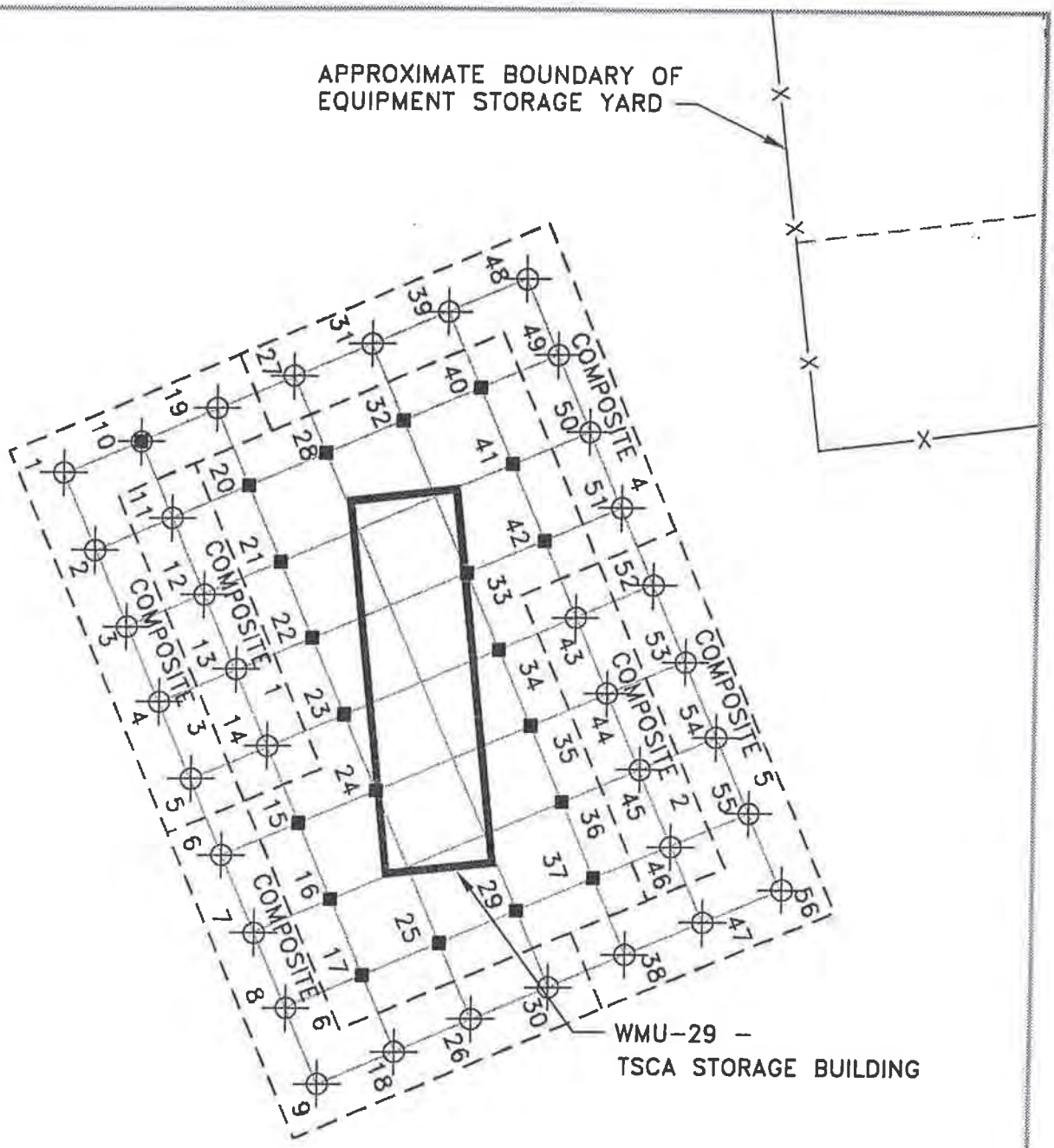
Trenton, Michigan

(Units as Given)

Site Identification:		W29-01-C	W29-02-C	W29-03-C	W29-04-C	W29-05-C
Sample Identification:		L13221-48	L13221-49	L13221-50	L13221-51	L13221-52
Sample Date:		01/15/01	01/15/01	01/15/2001	01/15/2001	01/15/2001
Sampled By:		ETCO	ETCO	ETCO	ETCO	ETCO
Analyzed By:		Huron	Huron	Huron	Huron	Huron
Depth:		-	-	-	-	-
Comments:		CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE
PCBs	*Units*					
Aroclor 1242	ug/kg	2200 J	<11000	<86	<86	<86 UJ
Aroclor 1254	ug/kg	2100 J	1400000	1900	590	240 J
Aroclor 1260	ug/kg	540 J	<11000	<86	<86	100 J
PCB, total	ug/kg	4800 J	1400000	1900	590	350 J
Parameters	*Units*					
Solids, total	%	97.00	96.31	95.21	93.75	94.18

J = Estimated value

NOTE: - Shaded values exceed the 10,000 ug/kg criterion for PCBs in "restricted access areas" as defined under the Spill Cleanup Policy of the Toxic Substances Control Act (TSCA).



LEGEND

SOIL SAMPLE LOCATION

BOUNDARY OF COMPOSITE SAMPLES

COMPOSITE SAMPLE LOCATION

N

0 20'

SCALE IN FEET

EARTH TECH

A tyco INTERNATIONAL LTD. COMPANY

5555 Glenwood Hills Parkway, SE • P.O. Box 874 • Grand Rapids, MI 49588-0874 • (616) 942-9600

Figure 4
Soil Sample Locations WMU-29
DSC Ltd.
Trenton, Michigan

A11.DWG

44075 Phoenix Drive
Sterling Heights, Michigan 48314-1420
810-731-1818
Outside Michigan Dial 1-800- 368-5227
Fax Line 810-731-2590
Federal I.D. # 38-2291504

CLIENT NAME: EARTH TECH
36133 SCHOOLCRAFT
LIVONIA, MI 48150

PROJECT NAME/NO.: DETROIT STEEL 27/29

*CORRECTED REPORT

DATE REPORTED	DATE RECEIVED	SAMPLE TEMP	DATE EXTRACTED	DATE ANALYZED
11/21/00	11/02/00	4°C	11/03/00	11/03/00

ANALYZED BY: TM **REFERENCED METHOD:** 8081 PCB's DRY WEIGHT CORRECTED (SOILS ONLY)
RESULTS REPORTED IN ppMillion

LAB NO.		3304	3304	3305	3306
		SOIL	SOIL	SOIL	SOIL
		W-29	W-29	W-29	W-29
	RDL	05 S	05 S	02 S	01 S
	SOIL	0-6"	0-6"	0-6"	0-6"
COMPOUND NAME	ppM		DUP		
Aroclor 1016	0.330	ND	ND	ND	ND
Aroclor 1221	0.330	ND	ND	ND	ND
Aroclor 1232	0.330	ND	ND	ND	ND
Aroclor 1242	0.330	ND	ND	ND	ND
Aroclor 1248	0.330	3.5	2.8	290	770
Aroclor 1254	0.330	4.2	2.1	186	36
Aroclor 1260	0.330	ND	ND	ND	ND
		77,000	49,000	476,000	806,000

***NOTE:** ORIGINAL RESULTS IN ERROR DUE TO DILUTION PROBLEMS AND SOIL ARE NOT HOMOGENEOUS.

NOTE: "ND" DENOTES THAT ANALYTE RESULT IS BELOW THE REPORTED REGULATORY DERIVED TARGET LIMIT OF DETECTION.

THOMAS S. MEGNA, PRESIDENT TSM ALA GAJDA, LAB SUPERVISOR Ala Gajda

REFERENCES: 40 CFR PART 136. CURRENT EDITION. las

44075 Phoenix Drive
Sterling Heights, Michigan 48314-1420
810-731-1818
Outside Michigan Dial 1-800- 368-5227
Fax Line [illegible]31-2590
Federal [illegible]291504

Not a DUP

CLIENT NAME: EARTH TECH
36133 SCHOOLCRAFT
LIVONIA, MI 48150

PROJECT NAME/NO.: DETROIT STEEL 27/29

DATE REPORTED	DATE RECEIVED	SAMPLE	EXTRACTED	DATE ANALYZED
11/21/00	11/02/00	4°C	11/16/00	11/20/00

ANALYZED BY: TM **REFERENCED METHOD:** 8081 [illegible] DRY WEIGHT CORRECTED (SOILS ONLY)
RESULTS REPORTED IN ppMillion

LAB NO.		3452	3453	3454
		SOIL	SOIL	SOIL
		W-29	W-29	W-29
	RDL	05 S	02 S	01 S
	SOIL	6-12"	6-12"	6-12"
COMPOUND NAME	ppM		DUP	
Aroclor 1016	0.330	ND	ND	ND
Aroclor 1221	0.330	ND	ND	ND
Aroclor 1232	0.330	ND	ND	ND
Aroclor 1242	0.330	ND	ND	ND
Aroclor 1248	0.330	6.1	76	390
Aroclor 1254	0.330	1.4	79	13
Aroclor 1260	0.330	ND	ND	ND

75,000 155,000 403,000

NOTE: "ND" DENOTES THAT ANALYTE RESULT IS BELOW THE REPORTED REGULATORY DERIVED TARGET LIMIT OF DETECTION.

THOMAS S. MEGNA, PRESIDENT _____ ALA GAJDA, LAB SUPERVISOR _____

REFERENCES: 40 CFR PART 136. CURRENT EDITION. las

Attachment C
PCB Soil Analytical Summary – ASTI December 2019

Phase I Completion Report
WMU-29 Remediation

Table 1 Summary of WMU-29 Soil Analysis
RTRR Property
18251 West Jefferson Ave, Riverview, MI
ASTI Project Number 10860

Parameters	TSCA PCB Cleanup Level for Low Occupany Areas µg/kg	WMU29-SB1-0-3" 0-3" 12/17/2019 µg/kg	WMU29-SB1-10-11' 10-11' 12/17/2019 µg/kg	WMU29-SB2-0-3" 0-3" 12/17/2019 µg/kg	WMU29-DUP WMU29-SB2-0-3" 0-3" 12/17/2019 µg/kg	WMU29-SB2-10-11' 10-11' 12/17/2019 µg/kg	WMU29-SB3-0-3" 0-3" 12/17/2019 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	**390**	<100	<100	<100	<100
PCB, Aroclor 1248		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1254		**620**	<100	**160**	<100	<100	**1,200**
PCB, Aroclor 1260		**460**	<100	**200**	<100	<100	**820**
PCB, Aroclor 1262		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1268		<100	<100	<100	<100	<100	<100
Total PCBs	25,000	**1,080**	**390**	**360**	<100	<100	**2,020**

Parameters	TSCA PCB Cleanup Level for Low Occupany Areas µg/kg	WMU29-SB9-0-3" 0-3" 12/17/2019 µg/kg	WMU29-SB9-9-10' 9-10' 12/17/2019 µg/kg	WMU29-SB10-0-3" 0-3" 12/17/2019 µg/kg	WMU29-SB10-10-11 10-11' 12/17/2019 µg/kg	WMU29-SB11-0-3" 0-3" 12/17/2019 µg/kg	WMU29-SB11-10-11 10-11' 12/17/2019 µg/kg
PCBs							
PCB, Aroclor 1016							
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	**280**
PCB, Aroclor 1248		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1254		**420**	<100	<100	<100	<100	**370**
PCB, Aroclor 1260		**420**	**270**	<100	**190**	**290**	**290**
PCB, Aroclor 1262		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1268		<100	<100	<100	<100	<100	<100
Total PCBs	25,000	**840**	**270**	<100	**190**	**290**	**940**

Notes:
"µg/kg" - micrograms per kilogram or parts per billion
Bold indicates concentration greater than the reporting limit.
Shading indicates concentration exceeding cleanup criteria.
"<" indicates concentration below laboratory reporting limit.

Table 1 Summary of WMU-29 Soil Analysis
RTRR Property
18251 West Jefferson Ave, Riverview, MI
ASTI Project Number 10860

Parameters	TSCA PCB Cleanup Level for Low Occupany Areas µg/kg	WMU29-SB3-11-12' 11-12' 12/17/2019 µg/kg	WMU29-SB4-0-3" 0-3" 12/17/2019 µg/kg	WMU29-SB4-11-12' 11-12' 12/17/2019 µg/kg	WMU29-SB5-0-3" 0-3" 12/17/2019 µg/kg	WMU29-SB5-10-11' 10-11' 12/17/2019 µg/kg	WMU29-SB6-0-3" 0-3" 12/17/2019 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		**330**	<100	<100	<100	<100	<100
PCB, Aroclor 1248		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1254		**480**	<100	<100	**1,700**	<100	**520**
PCB, Aroclor 1260		**350**	**120**	<100	**1,700**	<100	**400**
PCB, Aroclor 1262		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1268		<100	<100	<100	<100	<100	<100
Total PCBs	25,000	**1,160**	**120**	<100	**3,400**	<100	**920**

Parameters	TSCA PCB Cleanup Level for Low Occupany Areas µg/kg	WMU29-SB12-0-3" 0-3" 12/17/2019 µg/kg	WMU29-SB12-11-12' 11-12' 12/17/2019 µg/kg	WMU29-SB13-0-3" 0-3" 12/17/2019 µg/kg	WMU29-SB13-6-7' 11-12' 12/17/2019 µg/kg	WMU29-SB14-0-3" 0-3" 12/17/2019 µg/kg	WMU29-SB14-10-11 10-11' 12/17/2019 µg/kg
PCBs							
PCB, Aroclor 1016							
PCB, Aroclor 1221		<100	<100	<100	<100	<100	<100
PCB. Aroclor 1232		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1242		<100	<100	<100	**210**	<100	<100
PCB, Aroclor 1248		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1254		**540**	**1,700**	**1,400**	**240**	**580**	**870**
PCB, Aroclor 1260		**420**	<100	**1,200**	<100	**460**	**1,000**
PCB, Aroclor 1262		<100	<100	<100	<100	<100	<100
PCB, Aroclor 1268		<100	<100	<100	<100	<100	<100
Total PCBs	25,000	**960**	**1,700**	**2,600**	**450**	**1,040**	**1,870**

Notes:
"µg/kg" - micrograms per kilogram or parts per billion
Bold indicates concentration greater than the reporting limit.
Shading indicates concentration exceeding cleanup criteria.
"<" indicates concentration below laboratory reporting limit.

Table 1 Summary of WMU-29 Soil Analysis
RTRR Property
18251 West Jefferson Ave, Riverview, MI
ASTI Project Number 10860

Parameters	TSCA PCB Cleanup Level for Low Occupany Areas µg/kg	WMU29-SB6-11-12' 11-12' 12/17/2019 µg/kg	WMU29-SB7-0-3" 0-3" 12/17/2019 µg/kg	WMU29-SB7-10-11' 10-11' 12/17/2019 µg/kg	WMU29-SB8-0-3" 0-3" 12/17/2019 µg/kg	WMU29-SB8-9-10' 9-10' 12/17/2019 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	**420**
PCB, Aroclor 1248		<100	<100	<100	<100	<100
PCB, Aroclor 1254		<100	**7,700**	<100	**1,300**	**410**
PCB, Aroclor 1260		<100	**5,000**	<100	**1,500**	230
PCB, Aroclor 1262		<100	<100	<100	<100	<100
PCB, Aroclor 1268		<100	<100	<100	<100	<100
Total PCBs	25,000	<100	**12,700**	<100	**2,800**	**1,060**

Parameters	TSCA PCB Cleanup Level for Low Occupany Areas µg/kg	WMU29-SB15-0-3" 0-3" 12/17/2019 µg/kg	WMU-29-SB15-6-7' 6-7' 12/17/2019 µg/kg	WMU29-SB16-0-3" 0-3" 12/17/2019 µg/kg	WMU29-SB16-6-7' 6-7' 12/17/2019 µg/kg
PCBs					
PCB, Aroclor 1016					
PCB, Aroclor 1221		<100	<100	<100	<100
PCB. Aroclor 1232		<100	<100	<100	<100
PCB, Aroclor 1242		<100	<100	<100	**190**
PCB, Aroclor 1248		<100	<100	<100	<100
PCB, Aroclor 1254		**1,800,000**	**150**	**270**	**240**
PCB, Aroclor 1260		**400,000**	<100	**210**	<100
PCB, Aroclor 1262		<100	<100	<100	<100
PCB, Aroclor 1268		<100	<100	<100	<100
Total PCBs	25,000	**2,200,000**	**150**	**480**	**430**

Notes:
"µg/kg" - micrograms per kilogram or parts per billion
Bold indicates concentration greater than the reporting limit.
Shading indicates concentration exceeding cleanup criteria.
"<" indicates concentration below laboratory reporting limit.

Attachment D
Soil Boring Logs, July 6, 2021

Phase I Completion Report
WMU-29 Remediation

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

SOIL BORING LOG

Boring Data	
Boring ID:	**SB-17**
Total Depth:	4'

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:	7/6/2021

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	8"	Concrete	0.0	Concrete at 0-1'
8"	4'	SAND, fine to medium grained, trace very grained sand, gravel, and slag, grey, moist, loose (fill)	0.0	Soil at 1-2' & 2-3'
		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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Brighton, MI 48116

SOIL BORING LOG

Boring Data	
Boring ID:	**SB-18**
Total Depth:	4'

Proj. Name:	RTRR
Proj. Number:	10860

Date Completed:	7/6/2021

Site Address:	18251 West Jefferson
	Riverview, Michigan

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

Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	8"	Concrete	0.0	Concrete at 0-1'
8"	4'	SAND, fine to medium grained, trace very grained sand, gravel, and slag, grey, moist, loose (fill)	0.0	Soil at 1-2' & 2-3'
		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:	**SB-19**
Total Depth:	4'

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:	7/6/2021

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	8"	Concrete	0.0	Concrete at 0-1'
8"	4'	SAND, fine to medium grained, trace very grained sand, gravel, and slag, grey, moist, loose (fill)	0.0	Soil at 1-2' & 2-3'
		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:	**SB-20**
Total Depth:	4'

Proj. Name:	RTRR
Proj. Number:	10860

Date Completed:	7/6/2021

Site Address:	18251 West Jefferson
	Riverview, Michigan

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

Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	8"	Concrete	0.0	Concrete at 0-1'
8"	4'	SAND, fine to medium grained, trace very grained sand, gravel, and slag, grey, moist, loose (fill)	0.0	Soil at 1-2' & 2-3'
		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:	**SB-21**
Total Depth:	4'

Proj. Name:	RTRR
Proj. Number:	10860

Date Completed:	7/6/2021

Site Address:	18251 West Jefferson
	Riverview, Michigan

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

Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	8"	Concrete	0.0	Concrete at 0-1'
8"	4'	SAND, fine to medium grained, trace very grained sand, gravel, and slag, grey, moist, loose (fill)	0.0	Soil at 1-2' & 2-3'
		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:	**SB-22**
Total Depth:	4'

Proj. Name:	RTRR
Proj. Number:	10860

Date Completed:	7/6/2021

Site Address:	18251 West Jefferson
	Riverview, Michigan

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

Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	8"	Concrete	0.0	Concrete at 0-1'
8"	4'	SAND, fine to medium grained, trace very grained sand, gravel, and slag, grey, moist, loose (fill)	0.0	Soil at 1-2' & 2-3'
		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:	**SB-23**
Total Depth:	4'

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:	7/6/2021

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	8"	Concrete	0.0	Concrete at 0-1'
8"	4'	SAND, fine to medium grained, trace very grained sand, gravel, and slag, grey, moist, loose (fill)	0.0	Soil at 1-2' & 2-3'
		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:	**SB-24**
Total Depth:	4'

Proj. Name:	RTRR
Proj. Number:	10860

Date Completed:	7/6/2021

Site Address:	18251 West Jefferson
	Riverview, Michigan

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

Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	8"	Concrete	0.0	Concrete at 0-1'
8"	4'	SAND, fine to medium grained, trace very grained sand, gravel, and slag, grey, moist, loose (fill)	0.0	Soil at 1-2' & 2-3'
		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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Brighton, MI 48116

SOIL BORING LOG

Boring Data	
Boring ID:	**SB-25**
Total Depth:	4'

Proj. Name:	RTRR
Proj. Number:	10860

Date Completed:	7/6/2021

Site Address:	18251 West Jefferson
	Riverview, Michigan

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

Drilled by:	ERG
Method:	Direct push probe
Geologist:	Mitchel Dykla

Depth From	Depth To	Description	PID (ppm)	Sample Depth
0	8"	Concrete	0.0	Concrete at 0-1'
8"	4'	SAND, fine to medium grained, trace very grained sand, gravel, and slag, grey, moist, loose (fill)	0.0	Soil at 1-2' & 2-3'
		End of Boring		

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

Attachment E
Laboratory Analytical Report and Chain of Custody Documentation - Verification Sampling and Class II Sand Backfill

Phase I Completion Report
WMU-29 Remediation

Fibertec environmental services

Thursday, July 15, 2021

Fibertec Project Number:	A02702
Project Identification:	RTRR (10860) /10860
Submittal Date:	07/07/2021

Mr. Greg Oslosky
Applied Science & Technology, Inc. - Brighton
10448 Citation Dr.
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,

By Jacob Sutherlund at 4:52 PM, Jul 15, 2021

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-17 (0-1')**	Chain of Custody:	**197687**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:43**

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: A02702-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-17 (0-1')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-001** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-17 (0-1')**

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	07/12/21	PS21G12E	07/12/21	SF21G12B	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/12/21	SF21G12B	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/12/21	SF21G12B	JES
4. Aroclor-1242	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/12/21	SF21G12B	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/12/21	SF21G12B	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/12/21	SF21G12B	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/12/21	SF21G12B	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/12/21	SF21G12B	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/12/21	SF21G12B	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-17 (1-2')**	Chain of Custody:	**197687**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:43**

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: A02702-002** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-17 (1-2')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-002** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-17 (1-2')**

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	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	**140**		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-17 (2-3')**	Chain of Custody:	**197687**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:43**

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: A02702-003** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-17 (2-3')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-003** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-17 (2-3')**

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	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	**210**		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-18 (0-1')**	Chain of Custody:	**197687**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:56**

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: A02702-004** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-18 (0-1')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-004** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-18 (0-1')**

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	350	25	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	350	25	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	350	25	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	U		µg/kg	350	25	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	350	25	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	350	25	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	**1800**		µg/kg	350	25	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	350	25	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	350	25	07/13/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-18 (1-2')**	Chain of Custody:	**197687**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:56**

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: A02702-005** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-18 (1-2')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-005** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-18 (1-2')**

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	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	**280**		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-18 (2-3')**	Chain of Custody:	**197687**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**09:56**

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: A02702-006** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-18 (2-3')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-006** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-18 (2-3')**

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	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	**250**		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-19 (0-1')**	Chain of Custody:	**197687**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:20**

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: A02702-007** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-19 (0-1')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-007** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-19 (0-1')**

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	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	**120**		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-19 (1-2')**	Chain of Custody:	**197687**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:20**

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: A02702-008** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-19 (1-2')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-008** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-19 (1-2')**

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	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	**300**		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-19 (2-3')**	Chain of Custody:	**197687**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:20**

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: A02702-009** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-19 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**8**		%	1	1.0	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-009** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-19 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	**330**		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-20 (0-1')**	Chain of Custody:	**197687**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:35**

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: A02702-010** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-20 (0-1')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-010** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-20 (0-1')**

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	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	**2600**		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-20 (1-2')**	Chain of Custody:	**197688**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:35**

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: A02702-011** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-20 (1-2')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-011** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-20 (1-2')**

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	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	**350**		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-20 (2-3')**	Chain of Custody:	**197688**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:35**

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: A02702-012** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-20 (2-3')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-012** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-20 (2-3')**

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	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	**300**		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-21 (0-1')**	Chain of Custody:	**197688**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:48**

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: A02702-013** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-21 (0-1')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-013** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-21 (0-1')**

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	35000	2500	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	35000	2500	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	35000	2500	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	U		µg/kg	35000	2500	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	35000	2500	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	**83000**		µg/kg	35000	2500	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	35000	2500	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	35000	2500	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	35000	2500	07/13/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-21 (1-2')**	Chain of Custody:	**197688**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:48**

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: A02702-014** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-21 (1-2')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-014** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-21 (1-2')**

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	740	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	740	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	740	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	U		µg/kg	740	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	740	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	**2300**		µg/kg	740	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	740	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	740	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	740	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-21 (2-3')**	Chain of Custody:	**197688**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:48**

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: A02702-015** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-21 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**8**		%	1	1.0	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-015** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-21 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aroclor-1016	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	**2900**		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	720	50	07/13/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-22 (0-1')**	Chain of Custody:	**197688**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:20**

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: A02702-016** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-22 (0-1')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-016** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-22 (0-1')**

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	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
4. Aroclor-1242	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
6. Aroclor-1254	**510**		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/12/21	PS21G12E	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-22 (1-2')**	Chain of Custody:	**197688**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:20**

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: A02702-017** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-22 (1-2')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-017** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-22 (1-2')**

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	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
4. Aroclor-1242	**240**		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-22 (2-3')**	Chain of Custody:	**197688**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:20**

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: A02702-018** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-22 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**7**		%	1	1.0	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-018** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-22 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
4. Aroclor-1242	**240**		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-23 (0-1')**	Chain of Custody:	**197688**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:02**

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: A02702-019** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-23 (0-1')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-019** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-23 (0-1')**

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	360	25	07/15/21	PS21G13A	07/15/21	SF21G15A	JES
2. Aroclor-1221	U		µg/kg	360	25	07/15/21	PS21G13A	07/15/21	SF21G15A	JES
3. Aroclor-1232	U		µg/kg	360	25	07/15/21	PS21G13A	07/15/21	SF21G15A	JES
4. Aroclor-1242	**1500**		µg/kg	360	25	07/15/21	PS21G13A	07/15/21	SF21G15A	JES
5. Aroclor-1248	U		µg/kg	360	25	07/15/21	PS21G13A	07/15/21	SF21G15A	JES
6. Aroclor-1254	**1500**		µg/kg	360	25	07/15/21	PS21G13A	07/15/21	SF21G15A	JES
7. Aroclor-1260	U		µg/kg	360	25	07/15/21	PS21G13A	07/15/21	SF21G15A	JES
‡ 8. Aroclor-1262	U		µg/kg	360	25	07/15/21	PS21G13A	07/15/21	SF21G15A	JES
‡ 9. Aroclor-1268	U		µg/kg	360	25	07/15/21	PS21G13A	07/15/21	SF21G15A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-23 (1-2')**	Chain of Custody:	**197688**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:02**

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: A02702-020** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-23 (1-2')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-020** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-23 (1-2')**

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	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
4. Aroclor-1242	**190**		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
6. Aroclor-1254	**250**		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-23 (2-3')**	Chain of Custody:	**197689**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:02**

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: A02702-021** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-23 (2-3')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-021** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-23 (2-3')**

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	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
4. Aroclor-1242	**160**		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
6. Aroclor-1254	**150**		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-24 (0-1')**	Chain of Custody:	**197689**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:30**

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: A02702-022** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-24 (0-1')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-022** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-24 (0-1')**

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	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
4. Aroclor-1242	**220**		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
6. Aroclor-1254	**140**		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-24 (1-2')**	Chain of Custody:	**197689**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:30**

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: A02702-023** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-24 (1-2')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-023** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-24 (1-2')**

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	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
4. Aroclor-1242	**130**		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-24 (2-3')**	Chain of Custody:	**197689**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:30**

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: A02702-024** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-24 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**10**		%	1	1.0	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-024** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-24 (2-3')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
4. Aroclor-1242	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
7. Aroclor-1260	U	*	µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-25 (0-1')**	Chain of Custody:	**197689**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:07**

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: A02702-025** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-25 (0-1')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-025** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-25 (0-1')**

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	1500	100	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	1500	100	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	1500	100	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
4. Aroclor-1242	**21000**		µg/kg	1500	100	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	1500	100	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	1500	100	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	1500	100	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	1500	100	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	1500	100	07/13/21	PS21G13A	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-25 (1-2')**	Chain of Custody:	**197689**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:07**

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: A02702-026** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-25 (1-2')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	**8**		%	1	1.0	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-026** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-25 (1-2')**

						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aroclor-1016	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
4. Aroclor-1242	**320**		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**SB-25 (2-3')**	Chain of Custody:	**197689**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:07**

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: A02702-027** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: SB-25 (2-3')**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-027** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: SB-25 (2-3')**

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	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
4. Aroclor-1242	**290**		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Dup-1s**	Chain of Custody:	**197689**
Client Project Name:	**RTRR (10860)**	Sample No:		Collect Date:	**07/06/21**
Client Project No:	**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: A02702-028** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: Dup-1s**

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	07/08/21	MC210708	07/09/21	MC210708	DW

Polychlorinated Biphenyls (PCBs) **Aliquot ID: A02702-028** **Matrix: Soil/Solid**
Method: EPA 3546/EPA 8082A **Description: Dup-1s**

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	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
2. Aroclor-1221	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
3. Aroclor-1232	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
4. Aroclor-1242	**210**		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
5. Aroclor-1248	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
6. Aroclor-1254	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
7. Aroclor-1260	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	07/13/21	PS21G13A	07/13/21	SF21G13A	JES

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:

***** : Duplicate analysis not within control limits.

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

Geoprobe

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

Chain of Custody #
197687
PAGE 1 of 3

Client Name: ASTI Environmental
Contact Person: Greg Oslosky
Project Name/ Number: RTRR / 10860
Email distribution list: goslosky@asti-env.com mdyklal@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
7/6/2021	943		SB-17 (0-1')	X	1	X		x = concrete
	943		SB-17 (1-2')	S	1	1		
	943		SB-17 (2-3')	S				
	956		SB-18 (0-1')	X				x = concrete
	956		SB-18 (1-2')	S				
	956		SB-18 (2-3')	S				
	1020		SB-19 (0-1')	X				x = concrete
	1020		SB-19 (1-2')	S				
	1020		SB-19 (2-3')	S				
	1135		SB-20 (0-1')	X				x = concrete

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
JUL 07 2021
Initials: [illegible]

Comments:

Sampled/Relinquished By: [signature]	Date/ Time 7/6/2021 1415	Received By: ASTI Cold Storage
Relinquished By: ASTI Cold Storage	Date/ Time	Received By: [signature] 7/7/21 9:20
Relinquished By: [signature]	Date/ Time 7/7/21 17:30	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: A02702

Temperature upon receipt at Lab: 0.8 °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

Geoprobe

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

Chain of Custody # 197688

Client Name: ASTI Environmental
Contact Person: Greg Oslosky
Project Name/ Number: RTRR / 108600
Email distribution list: goslosky@asti-env.com mdyklan@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
7/6/2021	1135		SB-20 (1-2')	S	1	X		
	1135		SB-20 (2-3')	S	1	1		
	1048		SB-21 (0-1')	X				X=concrete
	1048		SB-21 (1-2')	S				
	1048		SB-21 (2-3')	S				
	1120		SB-22 (0-1')	X				X=concrete
	1120		SB-22 (1-2')	S				
	1120		SB-22 (2-3')	S				
	1102		SB-23 (0-1')	X				X=concrete
	1102		SB-23 (1-2')	S				

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
JUL 07 2021
Initials: SS

Comments:

	Date/ Time	Received By:
Sampled/Relinquished By: Mikel	7/6/2021 1415	Received By: ASTI Cold Storage
Relinquished By: ASTI Cold Storage	Date/ Time	Received By: 7/7/21 9:20
Relinquished By:	Date/ Time 7/7/21 17:30	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: A02702

Temperature upon receipt at Lab: 0.8°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

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

Chain of Custody #
197689
PAGE 3 of 3

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

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PCBs	HOLD SAMPLE	Remarks:
7/6/2021	1102		SB-23 (2-3')	S	1	X		
	1030		SB-24 (0-1')	X	1	1		X=concrete
	1030		SB-24 (1-2')	S				
	1030		SB-24 (2-3')	S				
	1007		SB-25 (0-1')	X				X=concrete
	1007		SB-25 (1-2')	S				
	1007		SB-25 (2-3')	S				
	—		Dup-1s	S				

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
JUL 07 2021
Initials: BS

Comments:

Sampled/Relinquished By: [signature]
Date/ Time: 7/6/2021 1415
Received By: ASTI Cold Storage

Relinquished By: ASTI Cold Storage
Date/ Time:
Received By:

Relinquished By: [signature]
Date/ Time: 7/7/21 17:30
Received By Laboratory: [signature] 7/7/21 9:20

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: A02702
Temperature upon receipt at Lab: 0.8°C
Received On Ice

Please see back for terms and conditions

Fibertec
environmental
services

Wednesday, July 28, 2021

Fibertec Project Number:	A03058
Project Identification:	10860 /10860
Submittal Date:	07/27/2021

Mr. Greg Oslosky
Applied Science & Technology, Inc. - Brighton
10448 Citation Dr.
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,

Sue Ricketts

By Sue Ricketts at 1:50 PM, Jul 28, 2021

For Daryl P. Strandbergh
Laboratory Director

Enclosures

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: A03058
Laboratory Sample Number: A03058-001

Client Identification:	**Applied Science & Technology, Inc. - Brighton**	Sample Description:	**Quarry S-1**	Chain of Custody:	**192726**
Client Project Name:	**10860**	Sample No:	**1**	Collect Date:	**07/27/21**
Client Project No:	**10860**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:30**

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: A03058-001** **Matrix: Soil/Solid**
Method: ASTM D2216-10 **Description: Quarry S-1**

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	07/27/21	MC210727	07/28/21	MC210727	DW

Michigan 10 Elements by ICP/MS **Aliquot ID: A03058-001** **Matrix: Soil/Solid**
Method: EPA 0200.2/EPA 6020A **Description: Quarry S-1**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Arsenic	**4800**		µg/kg	100	1000	07/28/21	PT21G28A	07/28/21	T421G28B	CJA
2. Barium	**15000**		µg/kg	1000	1000	07/28/21	PT21G28A	07/28/21	T421G28B	CJA
3. Cadmium	**110**		µg/kg	50	1000	07/28/21	PT21G28A	07/28/21	T421G28B	CJA
4. Chromium	**7000**		µg/kg	500	1000	07/28/21	PT21G28A	07/28/21	T421G28B	CJA
5. Copper	**8400**		µg/kg	1000	1000	07/28/21	PT21G28A	07/28/21	T421G28B	CJA
6. Lead	**3500**		µg/kg	1000	1000	07/28/21	PT21G28A	07/28/21	T421G28B	CJA
7. Selenium	U		µg/kg	200	1000	07/28/21	PT21G28A	07/28/21	T421G28B	CJA
8. Silver	U		µg/kg	100	1000	07/28/21	PT21G28A	07/28/21	T421G28B	CJA
9. Zinc	**23000**		µg/kg	1000	1000	07/28/21	PT21G28A	07/28/21	T421G28B	CJA

Mercury by CVAAS **Aliquot ID: A03058-001** **Matrix: Soil/Solid**
Method: EPA 7471B **Description: Quarry S-1**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation P. Date	Preparation P. Batch	Analysis A. Date	Analysis A. Batch	Init.
1. Mercury	U		µg/kg	50	10	07/28/21	PM21G28A	07/28/21	M721G28A	JLH

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:

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.
3125 Sovereign Drive
Suite 9B
Lansing, MI 48911
Phone: 517 999 6020
email: asbestos@fibertecihs.com

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

Chain of Custody #
192726
PAGE ___ of ___

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

Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS: 10 Metals	HOLD SAMPLE
7/27	12:30	1	Quarry	S	2	X	

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

Received By Lab
JUL 27 2021
Initials: BP

Remarks:

Comments:

Sampled/Relinquished By: Kern Sharpe — Date/ Time: 7/27/21
Relinquished By: — Date/ Time:
Relinquished By: — Date/ Time:

Received By: Brian Powers 7/27/21 13:42
Received By:
Received By Laboratory:

X ASAP 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
___5-7 bus. days (standard) Other (specify time/date requirement): ___

LAB USE ONLY
Fibertec project number: A03058
Temperature upon receipt at Lab: 17.1 °C
Received On Ice

Please see back for terms and conditions

Attachment F
Photo Log – Remedial Excavation Activities

Phase I Completion Report
WMU-29 Remediation

PHOTO LOG
RTRR WMU-29

	**Photo 1.** PCB contaminated concrete marked
	**Photo 2.** PCB contaminated soil marked
	**Photo 3.** Cutting PCB contaminated concrete for removal

ASTI Project No. 10860
July 28-30, 2021
Photographed By: Allison J. Rogowski

PHOTO LOG
RTRR WMU-29

	**Photo 4.** PCB contaminated areas removed from soil and concrete
	**Photo 5.** Depth verification of PCB contaminated soils.
	**Photo 6.** Non-PCB concrete breakup

ASTI Project No. 10860
July 28-30, 2021
Photographed By: Allison J. Rogowski

PHOTO LOG
RTRR WMU-29

	**Photo 7.** Non-PCB removal
	**Photo 8.** Non-PCB concrete staging area
	**Photo 9.** Spreading sand in former concrete pad area

ASTI Project No. 10860
July 28-30, 2021
Photographed By: Allison J. Rogowski

PHOTO LOG
RTRR WMU-29

	**Photo 10.** Completed removal and backfilled area facing west
	**Photo 11.** Completed and backfilled area facing east

ASTI Project No. 10860
July 28-30, 2021
Photographed By: Allison J. Rogowski

Attachment G
Waste Disposal Manifests

Phase I Completion Report
WMU-29 Remediation

Receipt Preview

er Account:
ONMENTAL RECYCLING
BOX 167
7 EAST WOODLAND CIRCLE
BOWLING GREEN, OH 43402, USA

Generator Site Address:
OHR000034025, ENVIRONMENTAL RECYCLING
527 EAST WOODLAND CIRCLE
BOWLING GREEN, OH, 43402, USA

Receipt ID: 1352486
Customer ID: 3270
Manifest / BOL: 014762312FLE
Transporter: Environmental Recycling Grou
Transporter EPA ID: MID059912956
Truck#: 58
Date: 08/05/2021
Time In: 9:06 AM
Time Out: 9:44 AM

Line	Description	Qty.	Unit
	Generator		
1 - 1	092899PM - PCB DEBRIS	16.120	TONS
	Hazardous Surcharge Ton	16.120	TONS
	OHR000034025 ENVIRONMENTAL RECYCLING		
	Gross: 84,080 lbs. **Tare:** 51,840 lbs. **Net:** 32,240 lbs.		
2	e-Manifest Submission Fee	1.000	EACH
	Charge relates to: 014762312FLE		
	OHR000034025 ENVIRONMENTAL RECYCLING		
	Gross: 84,080 lbs. **Tare:** 51,840 lbs. **Net:** 32,240 lbs.		
3	Roll Off Hand Off: 1 load per day	1.000	EACH
	Charge relates to: 014762312FLE - 1		
	OHR000034025 ENVIRONMENTAL RECYCLING		
	Gross: 84,080 lbs. **Tare:** 51,840 lbs. **Net:** 32,240 lbs.		
4	Wayne Disposal Host Community Agreement Royalty Fee	16.120	TONS
	Charge relates to: 014762312FLE - 1		
	OHR000034025 ENVIRONMENTAL RECYCLING		
	Gross: 84,080 lbs. **Tare:** 51,840 lbs. **Net:** 32,240 lbs.		

Wayne Disposal, Inc.
49350 N I-94 SERVICE DRIVE, BELLEVILLE , MI 48111 USA

Receipt Preview

ustomer Account:
ENVIRONMENTAL RECYCLING
PO BOX 167
527 EAST WOODLAND CIRCLE
BOWLING GREEN, OH 43402, USA

Generator Site Address:
OHR000034025, ENVIRONMENTAL RECYCLING
527 EAST WOODLAND CIRCLE
BOWLING GREEN, OH, 43402, USA

Receipt ID: 1352534
Customer ID: 3270
Manifest / BOL: 014762313FLE
Transporter: Environmental Recycling Grou
Transporter EPA ID: MID059912956
Truck#: 58
Date: 08/05/2021
Time In: 12:49 PM
Time Out: 2:13 PM

Line	Description	Qty.	Unit
	Generator		
1 - 1	092899PM - PCB DEBRIS	20.000	YARD
	Hazardous Surcharge Cubic Yard-Bulk	20.000	YARD
	OHR000034025 ENVIRONMENTAL RECYCLING		
	Gross: 72,120 lbs. **Tare:** 51,200 lbs. **Net:** 20,920 lbs.		
2	e-Manifest Submission Fee	1.000	EACH
	Charge relates to: 014762313FLE		
	OHR000034025 ENVIRONMENTAL RECYCLING		
	Gross: 72,120 lbs. **Tare:** 51,200 lbs. **Net:** 20,920 lbs.		
3	Roll Off Hand Off: 1 load per day	1.000	EACH
	Charge relates to: 014762313FLE - 1		
	OHR000034025 ENVIRONMENTAL RECYCLING		
	Gross: 72,120 lbs. **Tare:** 51,200 lbs. **Net:** 20,920 lbs.		
4	Wayne Disposal Host Community Agreement Royalty Fee	20.000	YARD
	Charge relates to: 014762313FLE - 1		
	OHR000034025 ENVIRONMENTAL RECYCLING		
	Gross: 72,120 lbs. **Tare:** 51,200 lbs. **Net:** 20,920 lbs.		

ASTI ENVIRONMENTAL

ENVIRONMENTAL INVESTIGATION, REMEDIATION, COMPLIANCE AND RESTORATION PROJECTS THROUGHOUT THE GREAT LAKES SINCE 1985.

OUR SERVICES INCLUDE:

- **ASBESTOS, LEAD, MOLD, AND RADON ASSESSMENTS**
- **BROWNFIELD/GREYFIELD REDEVELOPMENT ASSISTANCE**
- **DEVELOPMENT INCENTIVES AND GRANT MANAGEMENT**
- **ECOLOGICAL ASSESSMENTS AND RESTORATION**
- **ENVIRONMENTAL ASSESSMENTS AND IMPACT STATEMENTS**
- **ENVIRONMENTAL OPPORTUNITIES ASSESSMENT**
- **GIS MAPPING**
- **HAZARD MITIGATION PLANNING**
- **MINING AND RECLAMATION ASSISTANCE**
- **REMEDIATION IMPLEMENTATION, OPERATION AND MAINTENANCE**
- **PHASE I ESA AND ENVIRONMENTAL DUE DILIGENCE ASSESSMENTS**
- **REGULATORY COMPLIANCE AND PERMITTING**
- **SOIL AND GROUNDWATER ASSESSMENTS**
- **SOIL AND GROUNDWATER REMEDIATION**
- **STORAGE TANK COMPLIANCE AND CLOSURE**
- **THREATENED AND ENDANGERED SPECIES SURVEYS**
- **WATERSHED AND STORMWATER MANAGEMENT PROGRAMS**
- **WETLAND DELINEATION, PERMITTING, MITIGATION AND BANKING**

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Detroit/Grand Rapids/Brighton

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