LIMITED SUBSURFACE EVALUATION

FEDEX DEWIT PROPERTY
201 CANADA DRIVE
DEWITT, NEW YORK 13057

ECS PROJECT NO. 47:9334-A

FOR

COLUMBIA NET LEASE VENTURES, LLC

JANUARY 31, 2020

January 31. 2020

Mr. Michael Hanson
Columbia Net Lease Ventures, LLC
195 North Street, Suite 100
Teterboro, New Jersey 07608

ECS Project No. 47:9443-A

Reference: Limited Subsurface Evaluation
FedEx Dewitt Property
201 Canada Drive
Dewitt, New York 13057

Dear Mr. Hanson:

ECS Mid-Atlantic, LLC (ECS) is pleased to provide Columbia Net Lease Ventures, LLC with the results of the Limited Subsurface Evaluation performed at the referenced property. The following document provides the results of the Limited Subsurface Evaluation as well as conclusions and recommendations. This report was prepared at your request and in accordance with ECS Proposal Number 47:13607-EP.

If you have any questions, please contact us at (717) 767-4788.

Respectfully submitted,

ECS Mid-Atlantic, LLC

John B. Bruce
Environmental Project Manager

Ryan J. Croyle, REM
Principal Scientist

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1.0 SITE OVERVIEW

ECS Mid-Atlantic, LLC (ECS) has performed a Limited Subsurface Evaluation on the FedEx Dewitt property (the "subject site" or "site" hereafter). The services were performed in accordance with ECS Proposal No. 47:13607-EP, authorized on December 17, 2019.

Site Description

ECS performed a Phase I Environmental Site Assessment (ESA), ECS Project No. 47:9334, of the shipping/distribution facility located at 201 Canada Drive, Dewitt, New York 13057. The assessment revealed the following recognized environmental conditions (RECs) in connection with the property:

- ECS considered the documented Polychlorinated Biphenyl (PCB) impact identified in soils on the southern adjacent and topographically up-gradient property to represent an REC for the subject property. According to documents reviewed, the property had formerly been utilized as agricultural land, a dairy/milk plant, and a sand quarry from at least 1938 until approximately 1980. PCBs were identified in soil samples collected from the southern adjacent property with the highest detections being identified in samples collected nearest to the subject property (87-121 parts per million (ppm)) which exceeds the New York State Department of Environmental Conservation (NYSDEC) Soil Cleanup Objectives for commercial (1 ppm) and industrial (25 ppm) properties. Levels of PCBs were detected as high as 4,404 ppm in samples collected from the southern adjacent property. No groundwater or soil vapor samples have been collected at the property.

ECS recommended a Limited Subsurface Evaluation based on findings of the Phase I ESA.

2.0 METHODOLOGIES

Subsurface Evaluation

ECS performed a subsurface evaluation at the subject site on January 3, 2020. During the evaluation, ECS advanced a total of 15 soil probes (GP-1 through GP-15) onsite to evaluate the subsurface including soil and groundwater. The probes were advanced using a track-mounted GeoProbe® direct push sampling unit to depths of 5 to 20 feet below ground surface (bgs). Prior to advancing the probes, a private utility locator was used to clear the probe locations. The location of each probe is depicted in Figure 2 and described below:

- Probes GP-1, GP-2, and GP-3 were advanced along the eastern perimeter of the property.
- Probes GP-4 through GP 7 were advanced along the northern perimeter of the paved parking area of the subject property facility.
- Probes GP-8 and GP-9 were advanced within the stormwater management area north of the facility
- Probe GP-10, GP-11, and GP-12 were advanced on the northeastern portion of the site.
- Probes GP-13, GP 14, and GP-15 were advanced to the south of the paved portions of the facility along Canada Drive. This area is adjacent to the Loukes Road Extension properties identified in the NY SPILLS and Brownfields databases.

Soil borings were advanced to depths ranging from 5 to 20 feet below grade. Soil lithology consisted of fill materials as well as silt with some sands. Groundwater was encountered at depths ranging from 6 to 15 feet below grade. Soil boring logs are included in Attachment B.

Soil Sampling Methodologies

ECS advanced a total of 15 probes to evaluate the subsurface soil at the site. Soil probe locations are included on Figure 2. The GeoProbe® uses a hydraulic hammer to push stainless steel macrocore sampling tubes into the ground in five-foot intervals. The sampling tube is lined with a dedicated clear polyvinyl chloride (PVC) sleeve. When the sampling tube is withdrawn from the ground, the sleeve is removed, containing a relatively undisturbed soil core. Probes were advanced to depths ranging from 5 to 20 feet bgs. Soil samples from every one foot (or less) from each boring were field screened for volatile organic compounds using a 10.6 eV photoionization detector (PID).

A total of 15 soil samples were collected onsite from soils between 0-2 feet bgs. Upon collection, the selected soil samples were transferred to clean, laboratory grade-glass jars with Teflon-lined lids. Based on field screening and other observations, samples were submitted to an NYSDEC certified laboratory for analysis of PCBs via EPA Method 8082.

Groundwater Sampling Methodologies

ECS completed three (3) of the soil probes (GP-5, GP-12 and GP-15) as temporary groundwater sampling points for the collection of groundwater samples (GW-5, GW-12, and GW-15, respectively). Water was encountered between 6 to 10 feet bgs. Temporary groundwater monitoring well locations are included on Figure 3. These points were constructed of 1-inch diameter, schedule 40 PVC. Additionally, the points were constructed of approximately 5 to 10 linear feet of factory slotted well screen with the slotted portion of the sample points intersecting the soil/water interface. The sample points were then completed to grade with solid PVC risers.

Groundwater samples were collected in clean, laboratory grade-glass jars with Teflon-lined lids. After sampling, the materials used to construct the points were removed and all of the probes were sealed. Groundwater samples were submitted to an NYSDEC certified laboratory for analysis of Poly-Chlorinated Biphenyls (PCBs) via EPA Method 8082. All probes advanced onsite were backfilled using the soil cuttings and were restored to grade.

3.0 RESULTS

Soil Analytical Results

ECS advanced a total of 15 soil borings onsite. PID readings were collected from the soil in one foot intervals from grade to the termination of each soil boring. In general, PID readings were indicative of background concentrations of VOCs. Specifically, petroleum odor and staining and/or elevated PID readings were not observed within the soil borings. It should be noted that the PID readings were collected as a supplemental indicator of VOCs as VOC analysis was not performed as a part of this assessment. All soil samples were collected from 0-2 feet bgs.

The soil sample analytical results were compared to the NYSDEC Cleanup Standards for Non-Residential Soil. Concentrations of PCBs were identified in a total of seven (7) samples collected from the site (GP-1, GP-6, GP-8, GP-9, GP-13, GP-14, and GP-15) at levels above laboratory detection limits. Of those detections, concentrations exceed the NYSDEC Non-Residential Standards for Soil (1,000 micrograms per kilogram (ug/kg)) in sample GP-9 (20,300 ug/kg). Elevated levels of PCBs in samples appear to occur at a random distribution and may be associated with contaminated fill material imported to the site.

Soil sample analytical results are summarized in Table 1, and the laboratory analytical report for the soil samples is provided in Attachment B.

Groundwater Analytical Results

During the groundwater sampling effort, no free petroleum product and no petroleum odor was noted. ECS collected a total of three (3) groundwater samples at the site to evaluate the groundwater onsite (GW-5, GW-12, and GW-15). The groundwater analytical results were compared to the NYSDEC Non-Residential Standards for groundwater. Laboratory analytical results identified no concentrations of PCBs at levels above laboratory detection limits

Groundwater analytical results are summarized in Table 2, and the groundwater analytical report for the groundwater samples is provided in Attachment B.

4.0 CONCLUSIONS AND RECOMMENDATIONS

During this assessment, concentrations of PCBs were identified in seven (7) soil samples. One soil sample location exceeded the applicable NYSDEC Non-Residential Cleanup Standards (1,000 ug/kg). Sample GP-9 was reported at 20,300 ug/kg.

During this assessment groundwater was encountered at the site at depths ranging from 6 to 10 feet bgs. Concentrations of PCBs in groundwater were not identified.

ECS understands that no future commercial development is proposed for the subject site at this time; however, the presence of PCB impacted soil that exceeds the NYSDEC Non-Residential Cleanup Standards should be reported to the NYSDEC by the current property owner. Given the results of the onsite assessments, further assessment is warranted to delineate the extent of PCB impact at the subject property should such development be planned in the future. Furthermore, the vertical and horizontal extent of the PCB impact is not known and cannot be fully inferred from ECS' Limited Subsurface Evaluation.

5.0 LIMITATIONS

The conclusions and recommendations presented within this report are based upon a reasonable level of assessment within normal bounds and standards of professional practice for a site in this particular geographic setting. ECS is not responsible or liable for the discovery and elimination of hazards that may potentially cause damage, accidents, or injuries.

The observations, conclusions, and recommendations pertaining to environmental conditions at the subject site are necessarily limited to conditions observed, and/or materials reviewed at the time this study was undertaken and in limited areas observed.

No warranty, expressed or implied, is made with regard to the conclusions and recommendations presented within this report. This report is provided for the exclusive use of Columbia Net Lease Ventures, LLC and its assigns. This report is not intended to be used or relied upon in connection with other projects or by other unidentified third parties without the written consent of ECS and Columbia Net Lease Ventures, LLC.

Our recommendations are in part based on federal, state and local regulations and guidelines. ECS does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies any conditions at the site that may present a potential danger to public health, safety, or the environment. Under this scope of services, ECS assumes no responsibility regarding any response actions initiated as a result of these findings. General compliance with regulations and response actions are the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements.

TABLES

Table 1: Soil Sampling Laboratory Test Results Summary

Parameter	GP-1 (0'-2')	GP-2 (0'-2')	GP-3 (0'-2')	GP-4 (0'-2')	GP-5 (0'-2')	GP-6 (0'-2')	GP-7 (0'-2')	GP-8 (0'-2')	GP-9 (0'-2')	GP-10 (0'-2')	GP-11 (0'-2')	GP-12 (0'-2')	GP-13 (0'-2')	GP-14 (0'-2')	GP-15 (0'-2')	NY-DEC Commercial Restricted Use Soil Cleanup Objectives *	NY-DEC Unrestricted Use Soil Cleanup Objectives **	NY-DEC Restricted Use Soil Cleanup Objectives - Protection of Ecological Resources ***
Polychlorinated Biphenyls (PCBs) (ug/kg)																		
PCBs (Total)	**453.0**	20.0U	23.3U	19.6U	18.3U	**38.2**	20.5U	**24.0**	**20,300**	21.4U	22.4U	22.2U	**80.3**	**58.9**	**113.0**	**1,000**	**100**	**1,000**
Aroclor -1016	20.5U	20.0U	23.3U	19.6U	18.3U	23.2U	20.5U	20.6U	1130U	21.4U	22.4U	22.2U	19.1U	20.0U	19.9U	NPS	NPS	NPS
Aroclor -1221	20.5U	20.0U	23.3U	19.6U	18.3U	23.2U	20.5U	20.6U	1130U	21.4U	22.4U	22.2U	19.1U	20.0U	19.9U	NPS	NPS	NPS
Aroclor -1232	20.5U	20.0U	23.3U	19.6U	18.3U	23.2U	20.5U	20.6U	1130U	21.4U	22.4U	22.2U	19.1U	20.0U	19.9U	NPS	NPS	NPS
Aroclor -1242	20.5U	20.0U	23.3U	19.6U	18.3U	23.2U	20.5U	20.6U	1130U	21.4U	22.4U	22.2U	19.1U	20.0U	19.9U	NPS	NPS	NPS
Aroclor -1248	**162.0**	20.0U	23.3U	19.6U	18.3U	23.2U	20.5U	20.6U	**10,700**	21.4U	22.4U	22.2U	**30.7**	**24.8**	**47.5**	NPS	NPS	NPS
Aroclor- 1254	**232.0**	20.0U	23.3U	19.6U	18.3U	23.2U	20.5U	**15.6J**	**8,500**	21.4U	22.4U	22.2U	**39.5**	**27.4**	**53.2**	NPS	NPS	NPS
Aroclor- 1260	**58.3**	20.0U	23.3U	19.6U	18.3U	**25.5**	20.5U	20.6U	**1,110J**	21.4U	22.4U	22.2U	**19.1**	20.0U	**12.7J**	NPS	NPS	NPS

Table Notes:
*NY-DEC Table 375-6.8(b): Restricted Use Soil Cleanup Objectives - Commercial
**NY-DEC-Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
*** NY-DEC Table 375-6.8(b): Restricted Use Soil Cleanup Objectives - Protection of Ecological Resources
Yellow shaded denotes an exceedence of the applicable NYSDEC Cleanup Objective
Bold value indicates a detection below the applicable NYSDEC Cleanup Objective
NPS = No Published Standard
ND = Not Detected above laboratory reporting limit
NA= Not Analyzed
ug/kg= micrograms per kilogram

Table 2: Groundwater Sampling Laboratory Test Results Summary

Parameter	GP-5	GP-12	GP-15	NYS Ambient Water Quality Standards and Guidance Values *
Polychlorinated Biphenyls (ug/L)				
PCBs (Total)	0.25U	0.29U	0.33U	NPS
Aroclor -1016	0.25U	0.29U	0.33U	NPS
Aroclor -1221	0.25U	0.29U	0.33U	NPS
Aroclor -1232	0.25U	0.29U	0.33U	NPS
Aroclor -1242	0.25U	0.29U	0.33U	NPS
Aroclor -1248	0.25U	0.29U	0.33U	NPS
Aroclor- 1254	0.25U	0.29U	0.33U	NPS
Aroclor- 1260	0.25U	0.29U	0.33U	NPS

Table Notes:
*NYS Ambient Water Quality Standards and Guidance Values-Table 1- June 1998
Yellow shaded denotes an exceedence of the applicable NYSDEC Cleanup Objective
Bold value indicates a detection below the applicable NYSDEC Cleanup Objective
NPS = No Published Standard
ND = Not Detected above laboratory reporting limit
ug/L= micrograms per liter

FIGURES

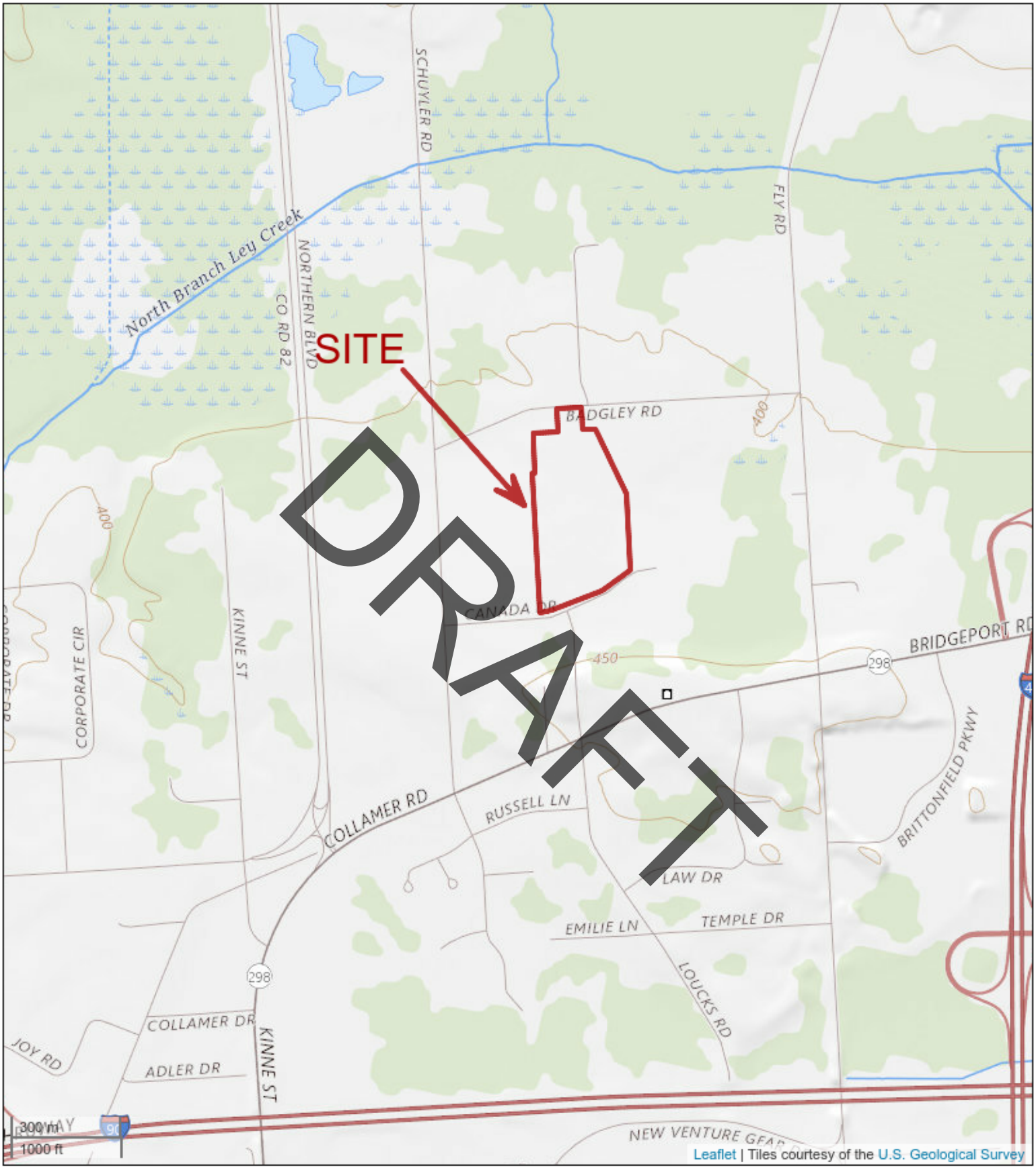

Figure 1
Regional Site Map
FedEx Facility
201 Canada Drive
Dewitt, New York 13057

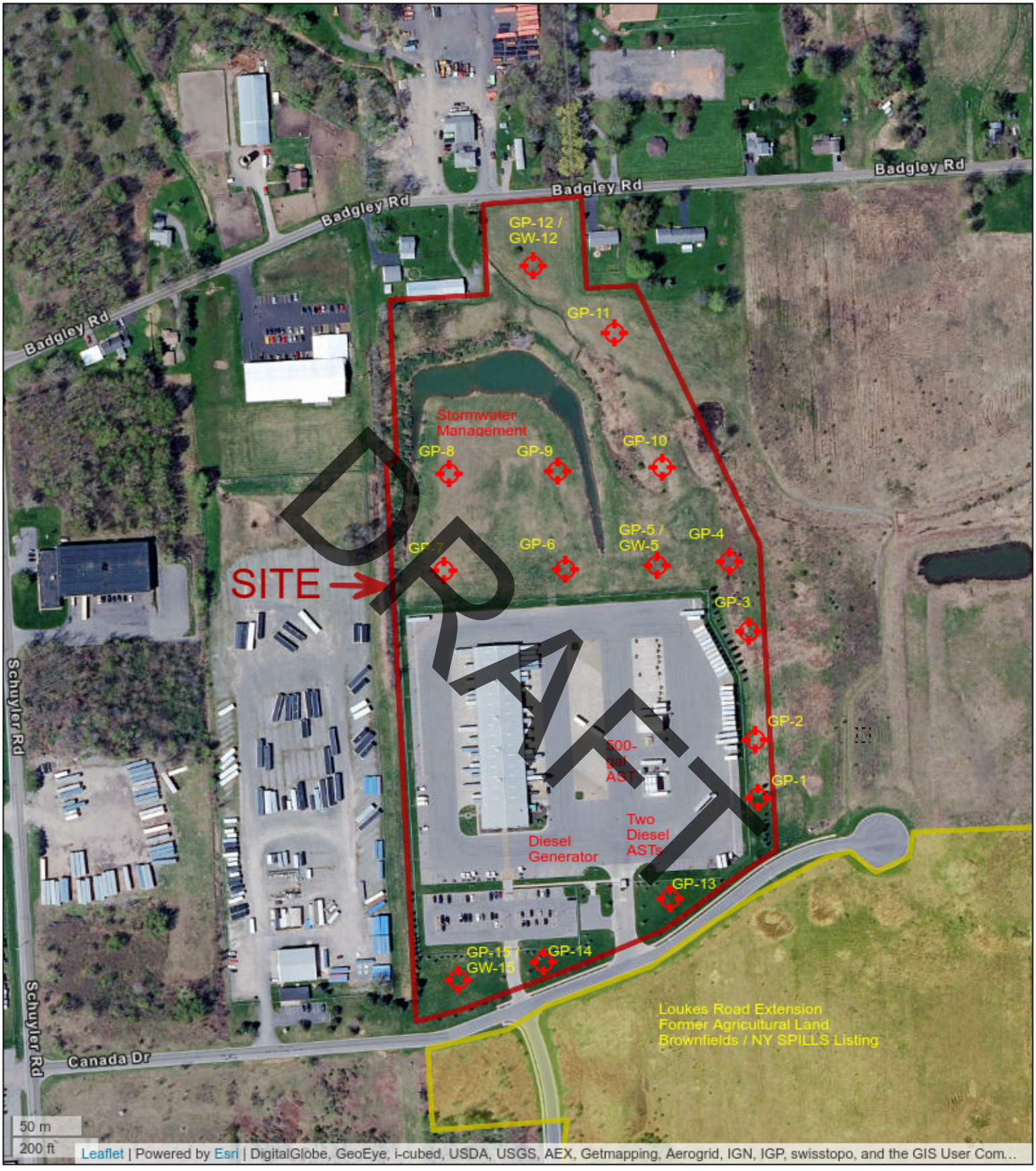

Figure 2

Probe Location Map
FedEx Facility
201 Canada Drive
Dewitt, New York 13057

ATTACHMENT A
PROBE LOGS

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-1**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
	0-2'	Top soil and rock		0.0		
2.0						
		Brown/grey silt with rocks, dry	GP-1 (0'-2')	0.0		
4.0						
		End of boring @ 5'				
6.0						
8.0						
10.0						
12.0						
14.0						
16.0						
18.0						
20.0						

Remarks:

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-2**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
	0-1'	Top soil		0.0		
2.0	1'-4'	Light green grey silt, dry	GP-2 (0'-2')	0.0		
4.0						
	4'-5'	Light green sandy silt, dry		0.0		
6.0		End of boring @ 5'				
8.0						
10.0						
12.0						
14.0						
16.0						
18.0						
20.0						

Remarks:

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-3**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
	0-1.5'	Top soil	GP-3	0.0		
2.0	1.5'-5'	Light brown silty sand, dry	(0'-2')	0.0		
4.0						
6.0		End of boring @ 5'				
8.0						
10.0						
12.0						
14.0						
16.0						
18.0						
20.0						

Remarks:

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-4**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
	0-1.5'	Top soil	GP-4	0.0		
2.0	1.5'-5'	Light brown silty sand, wet	(0'-2')	0.0		
4.0						
6.0		End of boring @ 5'				
8.0						
10.0						
12.0						
14.0						
16.0						
18.0						
20.0						

Remarks:

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-5**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
	0-6"	Top soil		0.0		
2.0	6"-4'	Light green grey sily with rocks	GP-5 (0'-2')	0.0		
4.0						
6.0	4'-8'	Reddish brown silt		0.0		
8.0						
10.0	8'-16'	Brown silty sand		0.0		
12.0						
14.0						
16.0						
18.0		Groundwater @ 16'	GP-5 (GW)			
20.0						

Remarks:

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-6**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
	0-6"	Top soil		0.0		
2.0	6"-5'	Light green grey silt with rocks, dry	GP-6 (0'-2')	0.0		
4.0						
6.0		End of boring @ 5'				
8.0						
10.0						
12.0						
14.0						
16.0						
18.0						
20.0						

Remarks:

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-7**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
	0-1'	Top soil		0.0		
2.0	1'-4'	Light green grey silt with rocks, dry	GP-7 (0'-2')	0.0		
4.0						
	4'-5'	Reddish brown silty sand		0.0		
6.0		End of boring @ 5'				
8.0						
10.0						
12.0						
14.0						
16.0						
18.0						
20.0						

Remarks:

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-8**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
2.0	0-2'	Top soil - brown silt	GP-8 (0'-2')	0.0		
4.0	2'-4'	Light green grey sandy silt with rocks		0.0		
	4'-5'	Reddish brown sandy silt		0.0		
6.0		End of boring @ 5'				
8.0						
10.0						
12.0						
14.0						
16.0						
18.0						
20.0						

Remarks:

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-9**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
	0-1'	Top soil - brown sandy silt		0.0		
2.0	1'-5'	Light brown/grey silty sand with rocks	GP-9 (0'-2')	0.0		
4.0						
6.0		End of boring @ 5'				
8.0						
10.0						
12.0						
14.0						
16.0						
18.0						
20.0						

Remarks:

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-10**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
	0-1'	Top soil		0.0		
2.0	1'-5'	Light brown silt	GP-10 (0'-2')	0.0		
4.0						
6.0		End of boring @ 5'				
8.0						
10.0						
12.0						
14.0						
16.0						
18.0						
20.0						

Remarks:

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-11**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
	0-1'	Top soil		0.0		
2.0	1'-5'	Light brown silt	GP-11 (0'-2')	0.0		
4.0						
6.0		End of boring @ 5'				
8.0						
10.0						
12.0						
14.0						
16.0						
18.0						
20.0						

Remarks:

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-12**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
	0-1'	Top soil		0.0		
2.0	1'-8'	Light brown sandy silt, wet	GP-12 (0'-2')	0.0		
4.0						
6.0						
8.0		End of boring @ 8'				
10.0						
12.0						
14.0						
16.0						
18.0						
20.0						

Remarks:

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-13**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
	0-1'	Top soil		0.0		
2.0	1'-3.5'	Rocks and sand	GP-13 (0'-2')	0.0		
4.0		Refusal @ 3.5'				
6.0						
8.0						
10.0						
12.0						
14.0						
16.0						
18.0						
20.0						

Remarks:

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-14**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
	0-6"	Top soil		0.0		
2.0	6"-4.5'	Reddish brown silt	GP-14 (0'-2')	0.0		
4.0						
6.0		Refusal @ 4.5'				
8.0						
10.0						
12.0						
14.0						
16.0						
18.0						
20.0						

Remarks:

PROBE LOG ECS JOB NO. 47-9334-A PROBE NO. **GP-15**

JOB NAME AND LOCATION: FedEx Dewitt ENGR JBB

CLIENT: Columbia Net Lease Ventures Driller: Benner Geoservices, Inc. DATE 1/8/2020

DEPTH (ft.)	STRATA DEPTH	SOIL DESCRIPTION	Sample Number	PID (ppm)	Other Description	REMARK NO.
	0-6.5'	Reddish to light brown silt		0.0		
2.0			GP-15 (0'-2')			
4.0						
6.0						
		Refusal @ 6.5'				
8.0						
10.0						
12.0						
14.0						
16.0						
18.0						
20.0						

Remarks:

ATTACHMENT B
LABORATORY ANALYTICAL DATA

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

January 14, 2020

Philip Donmoyer
ECS Mid-Atlantic, LLC
56 Grumbacher Road, Suite D
York, PA 17406

RE: Project: 47:9334-A
Pace Project No.: 30343598

Dear Philip Donmoyer:
Enclosed are the analytical results for sample(s) received by the laboratory on January 06, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

David A. Pichette
david.pichette@pacelabs.com
(724)850-5617
Project Manager

Enclosures

cc: Vince Brinkmeyer, ECS Mid-Atlantic, LLC
John B. Bruce, ECS Mid-Atlantic, LLC
Ryan Szoldatits, ECS MID-ATLANTIC, LLC
William Walsh, ECS Mid-Atlantic, LLC
, ECS Mid-Atlantic, LLC

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: 47:9334-A
Pace Project No.: 30343598

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 47:9334-A
Pace Project No.: 30343598

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30343598001	**GP-1 (0-2')**	Solid	01/03/20 08:30	01/06/20 23:00
30343598002	**GP-2 (0-2')**	Solid	01/03/20 08:45	01/06/20 23:00
30343598003	**GP-3 (0-2')**	Solid	01/03/20 09:00	01/06/20 23:00
30343598004	**GP-4 (0-2')**	Solid	01/03/20 09:15	01/06/20 23:00
30343598005	**GP-5 (0-2')**	Solid	01/03/20 09:30	01/06/20 23:00
30343598006	**GP-6 (0-2')**	Solid	01/03/20 09:45	01/06/20 23:00
30343598007	**GP-7 (0-2')**	Solid	01/03/20 10:00	01/06/20 23:00
30343598008	**GP-8 (0-2')**	Solid	01/03/20 10:15	01/06/20 23:00
30343598009	**GP-9 (0-2')**	Solid	01/03/20 10:30	01/06/20 23:00
30343598010	**GP-10 (0-2')**	Solid	01/03/20 10:45	01/06/20 23:00
30343598011	**GP-11 (0-2')**	Solid	01/03/20 11:00	01/06/20 23:00
30343598012	**GP-12 (0-2')**	Solid	01/03/20 11:15	01/06/20 23:00
30343598013	**GP-13 (0-2')**	Solid	01/03/20 11:30	01/06/20 23:00
30343598014	**GP-14 (0-2')**	Solid	01/03/20 11:45	01/06/20 23:00
30343598015	**GP-15 (0-2')**	Solid	01/03/20 12:00	01/06/20 23:00

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: 47:9334-A
Pace Project No.: 30343598

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30343598001	**GP-1 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA
30343598002	**GP-2 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA
30343598003	**GP-3 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA
30343598004	**GP-4 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA
30343598005	**GP-5 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA
30343598006	**GP-6 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA
30343598007	**GP-7 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA
30343598008	**GP-8 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA
30343598009	**GP-9 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA
30343598010	**GP-10 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA
30343598011	**GP-11 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA
30343598012	**GP-12 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA
30343598013	**GP-13 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA
30343598014	**GP-14 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA
30343598015	**GP-15 (0-2')**	EPA 8082A	CWB	10	PASI-PA
		ASTM D2974-87	NLD	1	PASI-PA

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
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ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-1 (0-2') **Lab ID: 30343598001** Collected: 01/03/20 08:30 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**20.5 U**	ug/kg	20.5	12.6	1	01/10/20 08:02	01/13/20 18:51	12674-11-2	
PCB-1221 (Aroclor 1221)	**20.5 U**	ug/kg	20.5	18.1	1	01/10/20 08:02	01/13/20 18:51	11104-28-2	
PCB-1232 (Aroclor 1232)	**20.5 U**	ug/kg	20.5	18.6	1	01/10/20 08:02	01/13/20 18:51	11141-16-5	
PCB-1242 (Aroclor 1242)	**20.5 U**	ug/kg	20.5	14.9	1	01/10/20 08:02	01/13/20 18:51	53469-21-9	
PCB-1248 (Aroclor 1248)	**162**	ug/kg	20.5	11.8	1	01/10/20 08:02	01/13/20 18:51	12672-29-6	
PCB-1254 (Aroclor 1254)	**232**	ug/kg	20.5	10.9	1	01/10/20 08:02	01/13/20 18:51	11097-69-1	
PCB-1260 (Aroclor 1260)	**58.3**	ug/kg	20.5	11.6	1	01/10/20 08:02	01/13/20 18:51	11096-82-5	C2
PCB, Total	**453**	ug/kg	20.5	7.7	1	01/10/20 08:02	01/13/20 18:51	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	77	%.	34-114		1	01/10/20 08:02	01/13/20 18:51	877-09-8	
Decachlorobiphenyl (S)	77	%	38-139		1	01/10/20 08:02	01/13/20 18:51	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.6**	%	0.10	0.10	1		01/07/20 11:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-2 (0-2') **Lab ID: 30343598002** Collected: 01/03/20 08:45 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**20.0 U**	ug/kg	20.0	12.3	1	01/10/20 08:02	01/13/20 19:24	12674-11-2	
PCB-1221 (Aroclor 1221)	**20.0 U**	ug/kg	20.0	17.7	1	01/10/20 08:02	01/13/20 19:24	11104-28-2	
PCB-1232 (Aroclor 1232)	**20.0 U**	ug/kg	20.0	18.2	1	01/10/20 08:02	01/13/20 19:24	11141-16-5	
PCB-1242 (Aroclor 1242)	**20.0 U**	ug/kg	20.0	14.6	1	01/10/20 08:02	01/13/20 19:24	53469-21-9	
PCB-1248 (Aroclor 1248)	**20.0 U**	ug/kg	20.0	11.5	1	01/10/20 08:02	01/13/20 19:24	12672-29-6	
PCB-1254 (Aroclor 1254)	**20.0 U**	ug/kg	20.0	10.7	1	01/10/20 08:02	01/13/20 19:24	11097-69-1	
PCB-1260 (Aroclor 1260)	**20.0 U**	ug/kg	20.0	11.4	1	01/10/20 08:02	01/13/20 19:24	11096-82-5	
PCB, Total	**20.0 U**	ug/kg	20.0	7.5	1	01/10/20 08:02	01/13/20 19:24	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	86	%.	34-114		1	01/10/20 08:02	01/13/20 19:24	877-09-8	
Decachlorobiphenyl (S)	75	%	38-139		1	01/10/20 08:02	01/13/20 19:24	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.0**	%	0.10	0.10	1		01/07/20 11:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-3 (0-2') **Lab ID: 30343598003** Collected: 01/03/20 09:00 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**23.3 U**	ug/kg	23.3	14.4	1	01/10/20 08:02	01/13/20 19:33	12674-11-2	
PCB-1221 (Aroclor 1221)	**23.3 U**	ug/kg	23.3	20.7	1	01/10/20 08:02	01/13/20 19:33	11104-28-2	
PCB-1232 (Aroclor 1232)	**23.3 U**	ug/kg	23.3	21.2	1	01/10/20 08:02	01/13/20 19:33	11141-16-5	
PCB-1242 (Aroclor 1242)	**23.3 U**	ug/kg	23.3	17.0	1	01/10/20 08:02	01/13/20 19:33	53469-21-9	
PCB-1248 (Aroclor 1248)	**23.3 U**	ug/kg	23.3	13.4	1	01/10/20 08:02	01/13/20 19:33	12672-29-6	
PCB-1254 (Aroclor 1254)	**23.3 U**	ug/kg	23.3	12.4	1	01/10/20 08:02	01/13/20 19:33	11097-69-1	
PCB-1260 (Aroclor 1260)	**23.3 U**	ug/kg	23.3	13.3	1	01/10/20 08:02	01/13/20 19:33	11096-82-5	
PCB, Total	**23.3 U**	ug/kg	23.3	8.8	1	01/10/20 08:02	01/13/20 19:33	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	67	%.	34-114		1	01/10/20 08:02	01/13/20 19:33	877-09-8	
Decachlorobiphenyl (S)	67	%	38-139		1	01/10/20 08:02	01/13/20 19:33	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**30.6**	%	0.10	0.10	1		01/07/20 11:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-4 (0-2') **Lab ID: 30343598004** Collected: 01/03/20 09:15 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**19.6 U**	ug/kg	19.6	12.1	1	01/10/20 08:02	01/13/20 19:42	12674-11-2	
PCB-1221 (Aroclor 1221)	**19.6 U**	ug/kg	19.6	17.4	1	01/10/20 08:02	01/13/20 19:42	11104-28-2	
PCB-1232 (Aroclor 1232)	**19.6 U**	ug/kg	19.6	17.9	1	01/10/20 08:02	01/13/20 19:42	11141-16-5	
PCB-1242 (Aroclor 1242)	**19.6 U**	ug/kg	19.6	14.3	1	01/10/20 08:02	01/13/20 19:42	53469-21-9	
PCB-1248 (Aroclor 1248)	**19.6 U**	ug/kg	19.6	11.3	1	01/10/20 08:02	01/13/20 19:42	12672-29-6	
PCB-1254 (Aroclor 1254)	**19.6 U**	ug/kg	19.6	10.5	1	01/10/20 08:02	01/13/20 19:42	11097-69-1	
PCB-1260 (Aroclor 1260)	**19.6 U**	ug/kg	19.6	11.2	1	01/10/20 08:02	01/13/20 19:42	11096-82-5	
PCB, Total	**19.6 U**	ug/kg	19.6	7.4	1	01/10/20 08:02	01/13/20 19:42	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	72	%.	34-114		1	01/10/20 08:02	01/13/20 19:42	877-09-8	
Decachlorobiphenyl (S)	74	%	38-139		1	01/10/20 08:02	01/13/20 19:42	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.0**	%	0.10	0.10	1		01/07/20 11:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-5 (0-2') **Lab ID: 30343598005** Collected: 01/03/20 09:30 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**18.3 U**	ug/kg	18.3	11.3	1	01/10/20 08:02	01/13/20 19:50	12674-11-2	
PCB-1221 (Aroclor 1221)	**18.3 U**	ug/kg	18.3	16.2	1	01/10/20 08:02	01/13/20 19:50	11104-28-2	
PCB-1232 (Aroclor 1232)	**18.3 U**	ug/kg	18.3	16.6	1	01/10/20 08:02	01/13/20 19:50	11141-16-5	
PCB-1242 (Aroclor 1242)	**18.3 U**	ug/kg	18.3	13.3	1	01/10/20 08:02	01/13/20 19:50	53469-21-9	
PCB-1248 (Aroclor 1248)	**18.3 U**	ug/kg	18.3	10.5	1	01/10/20 08:02	01/13/20 19:50	12672-29-6	
PCB-1254 (Aroclor 1254)	**18.3 U**	ug/kg	18.3	9.7	1	01/10/20 08:02	01/13/20 19:50	11097-69-1	
PCB-1260 (Aroclor 1260)	**18.3 U**	ug/kg	18.3	10.4	1	01/10/20 08:02	01/13/20 19:50	11096-82-5	
PCB, Total	**18.3 U**	ug/kg	18.3	6.9	1	01/10/20 08:02	01/13/20 19:50	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	72	%.	34-114		1	01/10/20 08:02	01/13/20 19:50	877-09-8	
Decachlorobiphenyl (S)	75	%	38-139		1	01/10/20 08:02	01/13/20 19:50	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.6**	%	0.10	0.10	1		01/07/20 11:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-6 (0-2') **Lab ID: 30343598006** Collected: 01/03/20 09:45 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**23.2 U**	ug/kg	23.2	14.3	1	01/10/20 08:02	01/13/20 19:59	12674-11-2	
PCB-1221 (Aroclor 1221)	**23.2 U**	ug/kg	23.2	20.5	1	01/10/20 08:02	01/13/20 19:59	11104-28-2	
PCB-1232 (Aroclor 1232)	**23.2 U**	ug/kg	23.2	21.1	1	01/10/20 08:02	01/13/20 19:59	11141-16-5	
PCB-1242 (Aroclor 1242)	**23.2 U**	ug/kg	23.2	16.9	1	01/10/20 08:02	01/13/20 19:59	53469-21-9	
PCB-1248 (Aroclor 1248)	**23.2 U**	ug/kg	23.2	13.3	1	01/10/20 08:02	01/13/20 19:59	12672-29-6	
PCB-1254 (Aroclor 1254)	**25.5**	ug/kg	23.2	12.3	1	01/10/20 08:02	01/13/20 19:59	11097-69-1	C2
PCB-1260 (Aroclor 1260)	**23.2 U**	ug/kg	23.2	13.2	1	01/10/20 08:02	01/13/20 19:59	11096-82-5	
PCB, Total	**38.2**	ug/kg	23.2	8.7	1	01/10/20 08:02	01/13/20 19:59	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	76	%.	34-114		1	01/10/20 08:02	01/13/20 19:59	877-09-8	
Decachlorobiphenyl (S)	76	%	38-139		1	01/10/20 08:02	01/13/20 19:59	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**29.8**	%	0.10	0.10	1		01/07/20 11:36		

REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-7 (0-2') **Lab ID: 30343598007** Collected: 01/03/20 10:00 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**20.5 U**	ug/kg	20.5	12.6	1	01/10/20 08:02	01/13/20 20:16	12674-11-2	
PCB-1221 (Aroclor 1221)	**20.5 U**	ug/kg	20.5	18.1	1	01/10/20 08:02	01/13/20 20:16	11104-28-2	
PCB-1232 (Aroclor 1232)	**20.5 U**	ug/kg	20.5	18.6	1	01/10/20 08:02	01/13/20 20:16	11141-16-5	
PCB-1242 (Aroclor 1242)	**20.5 U**	ug/kg	20.5	15.0	1	01/10/20 08:02	01/13/20 20:16	53469-21-9	
PCB-1248 (Aroclor 1248)	**20.5 U**	ug/kg	20.5	11.8	1	01/10/20 08:02	01/13/20 20:16	12672-29-6	
PCB-1254 (Aroclor 1254)	**20.5 U**	ug/kg	20.5	10.9	1	01/10/20 08:02	01/13/20 20:16	11097-69-1	
PCB-1260 (Aroclor 1260)	**20.5 U**	ug/kg	20.5	11.6	1	01/10/20 08:02	01/13/20 20:16	11096-82-5	
PCB, Total	**20.5 U**	ug/kg	20.5	7.7	1	01/10/20 08:02	01/13/20 20:16	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	69	%.	34-114		1	01/10/20 08:02	01/13/20 20:16	877-09-8	
Decachlorobiphenyl (S)	71	%	38-139		1	01/10/20 08:02	01/13/20 20:16	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.1**	%	0.10	0.10	1		01/07/20 11:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-8 (0-2') **Lab ID: 30343598008** Collected: 01/03/20 10:15 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**20.6 U**	ug/kg	20.6	12.7	1	01/10/20 08:02	01/13/20 20:24	12674-11-2	
PCB-1221 (Aroclor 1221)	**20.6 U**	ug/kg	20.6	18.2	1	01/10/20 08:02	01/13/20 20:24	11104-28-2	
PCB-1232 (Aroclor 1232)	**20.6 U**	ug/kg	20.6	18.7	1	01/10/20 08:02	01/13/20 20:24	11141-16-5	
PCB-1242 (Aroclor 1242)	**20.6 U**	ug/kg	20.6	15.0	1	01/10/20 08:02	01/13/20 20:24	53469-21-9	
PCB-1248 (Aroclor 1248)	**20.6 U**	ug/kg	20.6	11.8	1	01/10/20 08:02	01/13/20 20:24	12672-29-6	
PCB-1254 (Aroclor 1254)	**15.6J**	ug/kg	20.6	11.0	1	01/10/20 08:02	01/13/20 20:24	11097-69-1	
PCB-1260 (Aroclor 1260)	**20.6 U**	ug/kg	20.6	11.7	1	01/10/20 08:02	01/13/20 20:24	11096-82-5	
PCB, Total	**24.0**	ug/kg	20.6	7.8	1	01/10/20 08:02	01/13/20 20:24	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	73	%.	34-114		1	01/10/20 08:02	01/13/20 20:24	877-09-8	
Decachlorobiphenyl (S)	77	%	38-139		1	01/10/20 08:02	01/13/20 20:24	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.5**	%	0.10	0.10	1		01/07/20 11:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-9 (0-2') **Lab ID: 30343598009** Collected: 01/03/20 10:30 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**1130 U**	ug/kg	1130	699	50	01/10/20 08:02	01/14/20 13:50	12674-11-2	
PCB-1221 (Aroclor 1221)	**1130 U**	ug/kg	1130	1010	50	01/10/20 08:02	01/14/20 13:50	11104-28-2	
PCB-1232 (Aroclor 1232)	**1130 U**	ug/kg	1130	1030	50	01/10/20 08:02	01/14/20 13:50	11141-16-5	
PCB-1242 (Aroclor 1242)	**1130 U**	ug/kg	1130	829	50	01/10/20 08:02	01/14/20 13:50	53469-21-9	
PCB-1248 (Aroclor 1248)	**10700**	ug/kg	1130	652	50	01/10/20 08:02	01/14/20 13:50	12672-29-6	
PCB-1254 (Aroclor 1254)	**8500**	ug/kg	1130	604	50	01/10/20 08:02	01/14/20 13:50	11097-69-1	
PCB-1260 (Aroclor 1260)	**1110J**	ug/kg	1130	645	50	01/10/20 08:02	01/14/20 13:50	11096-82-5	C2
PCB, Total	**20300**	ug/kg	1130	428	50	01/10/20 08:02	01/14/20 13:50	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	97	%	34-114		50	01/10/20 08:02	01/14/20 13:50	877-09-8	
Decachlorobiphenyl (S)	94	%	38-139		50	01/10/20 08:02	01/14/20 13:50	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**26.9**	%	0.10	0.10	1		01/07/20 11:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-10 (0-2') **Lab ID: 30343598010** Collected: 01/03/20 10:45 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**21.4 U**	ug/kg	21.4	13.2	1	01/10/20 08:02	01/13/20 20:41	12674-11-2	
PCB-1221 (Aroclor 1221)	**21.4 U**	ug/kg	21.4	18.9	1	01/10/20 08:02	01/13/20 20:41	11104-28-2	
PCB-1232 (Aroclor 1232)	**21.4 U**	ug/kg	21.4	19.4	1	01/10/20 08:02	01/13/20 20:41	11141-16-5	
PCB-1242 (Aroclor 1242)	**21.4 U**	ug/kg	21.4	15.6	1	01/10/20 08:02	01/13/20 20:41	53469-21-9	
PCB-1248 (Aroclor 1248)	**21.4 U**	ug/kg	21.4	12.3	1	01/10/20 08:02	01/13/20 20:41	12672-29-6	
PCB-1254 (Aroclor 1254)	**21.4 U**	ug/kg	21.4	11.4	1	01/10/20 08:02	01/13/20 20:41	11097-69-1	
PCB-1260 (Aroclor 1260)	**21.4 U**	ug/kg	21.4	12.2	1	01/10/20 08:02	01/13/20 20:41	11096-82-5	
PCB, Total	**21.4 U**	ug/kg	21.4	8.1	1	01/10/20 08:02	01/13/20 20:41	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	67	%.	34-114		1	01/10/20 08:02	01/13/20 20:41	877-09-8	
Decachlorobiphenyl (S)	69	%	38-139		1	01/10/20 08:02	01/13/20 20:41	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.3**	%	0.10	0.10	1		01/07/20 11:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-11 (0-2') **Lab ID: 30343598011** Collected: 01/03/20 11:00 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**22.4 U**	ug/kg	22.4	13.8	1	01/10/20 08:02	01/13/20 20:50	12674-11-2	
PCB-1221 (Aroclor 1221)	**22.4 U**	ug/kg	22.4	19.8	1	01/10/20 08:02	01/13/20 20:50	11104-28-2	
PCB-1232 (Aroclor 1232)	**22.4 U**	ug/kg	22.4	20.4	1	01/10/20 08:02	01/13/20 20:50	11141-16-5	
PCB-1242 (Aroclor 1242)	**22.4 U**	ug/kg	22.4	16.3	1	01/10/20 08:02	01/13/20 20:50	53469-21-9	
PCB-1248 (Aroclor 1248)	**22.4 U**	ug/kg	22.4	12.9	1	01/10/20 08:02	01/13/20 20:50	12672-29-6	
PCB-1254 (Aroclor 1254)	**22.4 U**	ug/kg	22.4	11.9	1	01/10/20 08:02	01/13/20 20:50	11097-69-1	
PCB-1260 (Aroclor 1260)	**22.4 U**	ug/kg	22.4	12.7	1	01/10/20 08:02	01/13/20 20:50	11096-82-5	
PCB, Total	**22.4 U**	ug/kg	22.4	8.4	1	01/10/20 08:02	01/13/20 20:50	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	68	%	34-114		1	01/10/20 08:02	01/13/20 20:50	877-09-8	
Decachlorobiphenyl (S)	69	%	38-139		1	01/10/20 08:02	01/13/20 20:50	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**26.1**	%	0.10	0.10	1		01/07/20 11:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-12 (0-2') **Lab ID: 30343598012** Collected: 01/03/20 11:15 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**22.2 U**	ug/kg	22.2	13.7	1	01/10/20 08:02	01/13/20 21:07	12674-11-2	
PCB-1221 (Aroclor 1221)	**22.2 U**	ug/kg	22.2	19.6	1	01/10/20 08:02	01/13/20 21:07	11104-28-2	
PCB-1232 (Aroclor 1232)	**22.2 U**	ug/kg	22.2	20.2	1	01/10/20 08:02	01/13/20 21:07	11141-16-5	
PCB-1242 (Aroclor 1242)	**22.2 U**	ug/kg	22.2	16.2	1	01/10/20 08:02	01/13/20 21:07	53469-21-9	
PCB-1248 (Aroclor 1248)	**22.2 U**	ug/kg	22.2	12.7	1	01/10/20 08:02	01/13/20 21:07	12672-29-6	
PCB-1254 (Aroclor 1254)	**22.2 U**	ug/kg	22.2	11.8	1	01/10/20 08:02	01/13/20 21:07	11097-69-1	
PCB-1260 (Aroclor 1260)	**22.2 U**	ug/kg	22.2	12.6	1	01/10/20 08:02	01/13/20 21:07	11096-82-5	
PCB, Total	**22.2 U**	ug/kg	22.2	8.4	1	01/10/20 08:02	01/13/20 21:07	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	74	%.	34-114		1	01/10/20 08:02	01/13/20 21:07	877-09-8	
Decachlorobiphenyl (S)	76	%	38-139		1	01/10/20 08:02	01/13/20 21:07	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**26.6**	%	0.10	0.10	1		01/07/20 11:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-13 (0-2') **Lab ID: 30343598013** Collected: 01/03/20 11:30 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**19.1 U**	ug/kg	19.1	11.8	1	01/10/20 08:02	01/13/20 21:15	12674-11-2	
PCB-1221 (Aroclor 1221)	**19.1 U**	ug/kg	19.1	16.9	1	01/10/20 08:02	01/13/20 21:15	11104-28-2	
PCB-1232 (Aroclor 1232)	**19.1 U**	ug/kg	19.1	17.4	1	01/10/20 08:02	01/13/20 21:15	11141-16-5	
PCB-1242 (Aroclor 1242)	**19.1 U**	ug/kg	19.1	14.0	1	01/10/20 08:02	01/13/20 21:15	53469-21-9	
PCB-1248 (Aroclor 1248)	**30.7**	ug/kg	19.1	11.0	1	01/10/20 08:02	01/13/20 21:15	12672-29-6	
PCB-1254 (Aroclor 1254)	**39.5**	ug/kg	19.1	10.2	1	01/10/20 08:02	01/13/20 21:15	11097-69-1	
PCB-1260 (Aroclor 1260)	**19.1 U**	ug/kg	19.1	10.9	1	01/10/20 08:02	01/13/20 21:15	11096-82-5	C2
PCB, Total	**80.3**	ug/kg	19.1	7.2	1	01/10/20 08:02	01/13/20 21:15	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	73	%.	34-114		1	01/10/20 08:02	01/13/20 21:15	877-09-8	
Decachlorobiphenyl (S)	75	%	38-139		1	01/10/20 08:02	01/13/20 21:15	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.4**	%	0.10	0.10	1		01/07/20 11:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-14 (0-2') **Lab ID: 30343598014** Collected: 01/03/20 11:45 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**20.0 U**	ug/kg	20.0	12.3	1	01/10/20 08:02	01/13/20 21:24	12674-11-2	
PCB-1221 (Aroclor 1221)	**20.0 U**	ug/kg	20.0	17.7	1	01/10/20 08:02	01/13/20 21:24	11104-28-2	
PCB-1232 (Aroclor 1232)	**20.0 U**	ug/kg	20.0	18.2	1	01/10/20 08:02	01/13/20 21:24	11141-16-5	
PCB-1242 (Aroclor 1242)	**20.0 U**	ug/kg	20.0	14.6	1	01/10/20 08:02	01/13/20 21:24	53469-21-9	
PCB-1248 (Aroclor 1248)	**24.8**	ug/kg	20.0	11.5	1	01/10/20 08:02	01/13/20 21:24	12672-29-6	
PCB-1254 (Aroclor 1254)	**27.4**	ug/kg	20.0	10.7	1	01/10/20 08:02	01/13/20 21:24	11097-69-1	
PCB-1260 (Aroclor 1260)	**20.0 U**	ug/kg	20.0	11.4	1	01/10/20 08:02	01/13/20 21:24	11096-82-5	
PCB, Total	**58.9**	ug/kg	20.0	7.5	1	01/10/20 08:02	01/13/20 21:24	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	61	%	34-114		1	01/10/20 08:02	01/13/20 21:24	877-09-8	
Decachlorobiphenyl (S)	61	%	38-139		1	01/10/20 08:02	01/13/20 21:24	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.2**	%	0.10	0.10	1		01/08/20 11:29		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 47:9334-A
Pace Project No.: 30343598

Sample: GP-15 (0-2') **Lab ID: 30343598015** Collected: 01/03/20 12:00 Received: 01/06/20 23:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.
Comments: • There is no label on the sample container.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**19.9 U**	ug/kg	19.9	12.3	1	01/10/20 08:02	01/13/20 21:32	12674-11-2	
PCB-1221 (Aroclor 1221)	**19.9 U**	ug/kg	19.9	17.6	1	01/10/20 08:02	01/13/20 21:32	11104-28-2	
PCB-1232 (Aroclor 1232)	**19.9 U**	ug/kg	19.9	18.1	1	01/10/20 08:02	01/13/20 21:32	11141-16-5	
PCB-1242 (Aroclor 1242)	**19.9 U**	ug/kg	19.9	14.5	1	01/10/20 08:02	01/13/20 21:32	53469-21-9	
PCB-1248 (Aroclor 1248)	**47.5**	ug/kg	19.9	11.4	1	01/10/20 08:02	01/13/20 21:32	12672-29-6	
PCB-1254 (Aroclor 1254)	**53.2**	ug/kg	19.9	10.6	1	01/10/20 08:02	01/13/20 21:32	11097-69-1	
PCB-1260 (Aroclor 1260)	**12.7J**	ug/kg	19.9	11.3	1	01/10/20 08:02	01/13/20 21:32	11096-82-5	C2
PCB, Total	**113**	ug/kg	19.9	7.5	1	01/10/20 08:02	01/13/20 21:32	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	76	%.	34-114		1	01/10/20 08:02	01/13/20 21:32	877-09-8	
Decachlorobiphenyl (S)	78	%.	38-139		1	01/10/20 08:02	01/13/20 21:32	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.3**	%	0.10	0.10	1		01/08/20 11:29		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
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QUALITY CONTROL DATA

Project: 47:9334-A
Pace Project No.: 30343598

QC Batch: 378761 Analysis Method: EPA 8082A
QC Batch Method: EPA 3546 Analysis Description: 8082A GCS PCB
Associated Lab Samples: 30343598001, 30343598002, 30343598003, 30343598004, 30343598005, 30343598006, 30343598007, 30343598008, 30343598009, 30343598010, 30343598011, 30343598012, 30343598013, 30343598014, 30343598015

METHOD BLANK: 1836642 Matrix: Solid
Associated Lab Samples: 30343598001, 30343598002, 30343598003, 30343598004, 30343598005, 30343598006, 30343598007, 30343598008, 30343598009, 30343598010, 30343598011, 30343598012, 30343598013, 30343598014, 30343598015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	16.3 U	16.3	10.1	01/13/20 18:34	
PCB-1221 (Aroclor 1221)	ug/kg	16.3 U	16.3	14.5	01/13/20 18:34	
PCB-1232 (Aroclor 1232)	ug/kg	16.3 U	16.3	14.8	01/13/20 18:34	
PCB-1242 (Aroclor 1242)	ug/kg	16.3 U	16.3	11.9	01/13/20 18:34	
PCB-1248 (Aroclor 1248)	ug/kg	16.3 U	16.3	9.4	01/13/20 18:34	
PCB-1254 (Aroclor 1254)	ug/kg	16.3 U	16.3	8.7	01/13/20 18:34	
PCB-1260 (Aroclor 1260)	ug/kg	16.3 U	16.3	9.3	01/13/20 18:34	
Decachlorobiphenyl (S)	%.	78	38-139		01/13/20 18:34	
Tetrachloro-m-xylene (S)	%.	79	34-114		01/13/20 18:34	

LABORATORY CONTROL SAMPLE: 1836643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	162	120	74	61-105	
PCB-1260 (Aroclor 1260)	ug/kg	162	122	75	70-100	
Decachlorobiphenyl (S)	%.			76	38-139	
Tetrachloro-m-xylene (S)	%.			75	34-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1836644 1836645

Parameter	Units	30343598001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	20.5 U	209	208	151	159	72	76	24-137	5	25	
PCB-1260 (Aroclor 1260)	ug/kg	58.3	209	208	169	167	53	52	19-156	1	25	
Decachlorobiphenyl (S)	%.						66	73	38-139			
Tetrachloro-m-xylene (S)	%.						66	71	34-114			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: 47:9334-A
Pace Project No.: 30343598

QC Batch: 378328 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 30343598001, 30343598002, 30343598003, 30343598004, 30343598005, 30343598006, 30343598007, 30343598008, 30343598009, 30343598010, 30343598011, 30343598012, 30343598013

SAMPLE DUPLICATE: 1834531

Parameter	Units	30343458018 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10	5.8	52	20	D6

SAMPLE DUPLICATE: 1834532

Parameter	Units	30343458019 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.3	12.6	13	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: 47:9334-A
Pace Project No.: 30343598

QC Batch: 378542
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 30343598014, 30343598015

SAMPLE DUPLICATE: 1835436

Parameter	Units	30343697001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.1	10.7	12	20	

SAMPLE DUPLICATE: 1835437

Parameter	Units	30343697002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.9	11.0	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 47:9334-A
Pace Project No.: 30343598

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA	Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

C2	Relative percent difference between results from each column was greater than 40%. The lower of the two results was reported.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.

Pace Analytical Services, LLC
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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 47:9334-A
Pace Project No.: 30343598

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30343598001	**GP-1 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598002	**GP-2 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598003	**GP-3 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598004	**GP-4 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598005	**GP-5 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598006	**GP-6 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598007	**GP-7 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598008	**GP-8 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598009	**GP-9 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598010	**GP-10 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598011	**GP-11 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598012	**GP-12 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598013	**GP-13 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598014	**GP-14 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598015	**GP-15 (0-2')**	EPA 3546	378761	EPA 8082A	378941
30343598001	**GP-1 (0-2')**	ASTM D2974-87	378328		
30343598002	**GP-2 (0-2')**	ASTM D2974-87	378328		
30343598003	**GP-3 (0-2')**	ASTM D2974-87	378328		
30343598004	**GP-4 (0-2')**	ASTM D2974-87	378328		
30343598005	**GP-5 (0-2')**	ASTM D2974-87	378328		
30343598006	**GP-6 (0-2')**	ASTM D2974-87	378328		
30343598007	**GP-7 (0-2')**	ASTM D2974-87	378328		
30343598008	**GP-8 (0-2')**	ASTM D2974-87	378328		
30343598009	**GP-9 (0-2')**	ASTM D2974-87	378328		
30343598010	**GP-10 (0-2')**	ASTM D2974-87	378328		
30343598011	**GP-11 (0-2')**	ASTM D2974-87	378328		
30343598012	**GP-12 (0-2')**	ASTM D2974-87	378328		
30343598013	**GP-13 (0-2')**	ASTM D2974-87	378328		
30343598014	**GP-14 (0-2')**	ASTM D2974-87	378542		
30343598015	**GP-15 (0-2')**	ASTM D2974-87	378542		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB WO#: 30343598

30343598

Company: ECS Mid-Atlantic	Billing Information:
Address: 56 Grumbacher Road Suite D	
Report To: John Bruce	Email To: jbruce@ecslimited.com
Copy To:	Site Collection Info/Address: FedEx Dewitt NY
Customer Project Name/Number: 47:9334-A	State: NY County/City: Dewitt Time Zone Collected: [ ] PT [ ] MT [ ] CT [✓] ET
Phone: 717-305-8973 Email: jbruce@ecslimited.com	Site/Facility ID #: FedEx Dewitt NY
Collected By (print): John Bruce	Purchase Order #: 579355 Quote #: 5598
Collected By (signature):	Turnaround Date Required:
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [✓] Hold: HOLD (4-5') SAMPLES ONLY	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [✓] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ] Yes [✓] No

DW PWS ID #:

DW Location Code:

Immediately Packed on Ice: [✓] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PCBs	Lab Sample # / Comments
GP-1 (0-2') 1.7	SL	G	1/3/20	0830				1	X	001
GP-2 (0-2')	SL	G	1/3/20	0845					X	002
GP-3 (0-2')	SL	G	1/3/20	0900					X	003
GP-4 (0-2')	SL	G	1/3/20	0915					X	004
GP-5 (0-2')	SL	G	1/3/20	0930					X	005
GP-6 (0-2')	SL	G	1/3/20	0945					X	006
GP-7 (0-2')	SL	G	1/3/20	1000					X	007
GP-8 (0-2')	SL	G	1/3/20	1015					X	008
GP-9 (0-2')	SL	G	1/3/20	1030					X	009
GP-10 (0-2')	SL	G	1/3/20	1045					X	010

Container Preservative Type: U

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochioric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	(NA)
Custody Signatures Present	(Y)	N	NA
Collector Signature Present	(Y)	N	NA
Bottles Intact	(Y)	N	NA
Correct Bottles	(Y)	N	NA
Sufficient Volume	(Y)	N	NA
Samples Received on Ice	(Y)	N	NA
VOA - Headspace Acceptable	Y	N	(NA)
USDA Regulated Soils	Y	(N)	NA
Samples in Holding Time	(Y)	N	NA
Residual Chlorine Present	Y	N	(NA)
Cl Strips: _____			
Sample pH Acceptable	Y	N	(NA)
pH Strips: _____			
Sulfide Present	Y	N	(NA)
Lead Acetate Strips: _____			

LAB USE ONLY:

Lab Sample # / Comments:

DRAFT

Customer Remarks / Special Conditions / Possible Hazards:

HOLD (4-5') SOIL SAMPLES ONLY.
ANALYZE ALL OTHER SAMPLES

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: bubble wrap

Radchem sample(s) screened (<500 cpm): Y N (NA)

SHORT HOLDS PRESENT (<72 hours): Y N (N/A)

Lab Tracking #: N/A

Samples received via: FEDEX UPS Client Courier (Pace Courier)

Lab Sample Temperature Info:

Temp Blank Received: (Y) N NA

Therm ID#: 9

Cooler 1 Temp Upon Receipt: ~~1.7~~ 1.6 oC

Cooler 1 Therm Corr. Factor: 0 oC

Cooler 1 Corrected Temp: ~~1.7~~ 1.6 oC

Comments:

MLL 1-7-20

Trip Blank Received: Y N (NA)

HCL MeOH TSP Other

Non Conformance(s): (YES) / NO

Page: _____ of: _____

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] /ECS	1/6 1400	Kelli Dabler Pace	1/6/20 14:00
Kelli Dabler Pace	1/6/20 15:10	[signature]	1-6-20 1940
[signature]	1-6-20 ~~1900~~ 2300	Marion L Clay	1-6-20 2300

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Pace Analytical®

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE O... **WO#: 30343598** ...ber or

PM: DAP Due Date: 01/14/20
CLIENT: ECS

Company: ECS Mid-Atlantic	Billing Information:
Address: 56 Grumbacher Road Suite D	
Report To: John Bruce	Email To: jbruce@ecslimited.com
Copy To:	Site Collection Info/Address: FedEx Dewitt NY
Customer Project Name/Number: 47:9334-A	State: NY County/City: /Dewitt Time Zone Collected: [ ] PT [ ] MT [ ] CT [✓] ET

Phone: 717-305-8973 Email: jbruce@ecslimited.com	Site/Facility ID #: FedEx Dewitt NY	Compliance Monitoring? [ ] Yes [✓] No
Collected By (print): John Bruce	Purchase Order #: 579355 Quote #: 5598	DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required:	Immediately Packed on Ice: [✓] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [✓] Hold: HOLD (4-5') SAMPLES ONLY	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [✓] 5 Day (Expedite Charges Apply)	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative: U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Time	Composite End Date	Time	Res Cl	# of Ctns	Analyses: PCBs	Lab Sample # / Comments
GP-11 (0-2')	SL	G	1/3/20	1100				1	X	011
GP-12 (0-2') 2.5	SL	G	1/3/20	1115					X	012
GP-13 (0-2')	SL	G	1/3/20	1130					X	013
GP-14 (0-2')	SL	G	1/3/20	1145					X	014
GP-15 (0-2')	SL	G	1/3/20	1200					X	015

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments: See pg1 MLC/MLC

Customer Remarks / Special Conditions / Possible Hazards:
HOLD (4-5') SOIL SAMPLES ONLY.
ANALYZE ALL OTHER SAMPLES

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: bubble wrap

Radchem sample(s) screened (<500 cpm): Y N (NA)

SHORT HOLDS PRESENT (<72 hours): Y N (N/A)

Lab Tracking #: N/A

Samples received via: FEDEX UPS Client Courier (Pace Courier)

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] / ECS	1/6 1400	Kelly Dabler / Pace	1/6/20 1400
Kelly Dabler / Pace	1/6/20 15:00	[signature]	1-6-20 1940
[signature]	1-6-20 2300	Marion L Clay	1-6-20 2300

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Lab Sample Temperature Info:
Temp Blank Received: (Y) N NA
Therm ID#: 9
Cooler 1 Temp Upon Receipt: 2.5 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 2.5 oC
Comments:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: ____ of: ____

#_30343538

Pace Analytical
www.pacelabs.com

Sample Receiving Non-Conformance Form (NCF)

Date: 1-10	**Evaluated by:** MC
Client: ECS-Mid-Atlantic	

Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

N	Collection date/time missing or incorrect		Analyses or analytes: missing or clarification needed		Samples listed on COC do not match samples received (missing, additional, etc.)
N	Sample IDs on COC do not match sample labels		Required trip blanks were not received		Required signatures are missing

Comments/Details/Other Issues not listed above:
No label on sample GP-15 (0-2')

3. Sample integrity issues: check applicable issues below and add details where appropriate:

	Samples: Past holding time		Samples: Condition needs to be brought to lab personnel's attention (details below)		Preservation: Improper
	Samples: Not field filtered		Containers: Broken or compromised		Temperature: not within acceptance criteria (typically 0-6C)
	Samples: Insufficient volume received		Containers: Incorrect		Temperature: Samples arrived frozen
	Samples: Cooler damaged or compromised		Custody Seals: Missing or compromised on samples, trip blanks or coolers		Vials received with improper headspace
	Samples: contain chlorine or sulfides		Packing Material: Insufficient/Improper		Other:

Comments/Details:

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client:	Contacted per:	
PM Initials:	Date/Time:	

Client Comments/Instructions:

ATTACHMENT D

ATTACHMENT E

ATTACHMENT F