LIMITED PHASE II INVESTIGATION REPORT

Williams Road Site

North Greenbush, NY 12180

September 9, 2024

Prepared for:
Mr. Joe Celeste

Prepared by:

349 Northern Blvd. STE 3
Albany, NY 12205

Envirospec Engineering Project E24-4216

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

1.0 INTRODUCTION

This Limited Phase II Investigation Report (Report) has been prepared by Envirospec Engineering, PLLC (Envirospec) at the request of Mr. Joseph Celeste for an approximate 18-acre parcel located on Williams Road in North Greenbush, Rensselaer County, NY ("Site"). The parcel is identified by its respective Tax ID 123-3-8.1.

As a result of a Phase I completed in February 2023, a Phase II was recommended based on Recognized Environmental Concerns (RECs). A limited Phase II was completed to identify possible gross areas of contamination on the site associated with the RECs.

This Report summarizes the work completed during these investigation activities and presents the results. First, the scope of the test pit investigation is discussed followed by a summary of the work completed. The results of soil sampling are also presented along with data tables showing results detected above applicable standards. Finally, a conclusion for the limited Phase II work is presented.

2.0 SITE HISTORY AND BACKGROUND INFORMATION

The site is located in New York's Capital Region in the Town of North Greenbush, Rensselaer County. The property is located on Williams Road, between Winter Street Extension to the east and the North Greenbush Town Park.

The site is mainly undeveloped, consisting of primarily grassy and forested areas. A small garage is located on the property in the northeast corner. The site is surrounded by suburban residential properties in all directions, as well as a town park to the West and a nursing home to the South.

2.1 Site Topography and Drainage

The 18-acre site is irregularly-shaped, and mainly undeveloped. Topography is generally flat, with the southern portion of the site having an undulating topography. The southern and southeastern borders of the Site have near-vertical slopes adjoining the neighboring properties. As the site is generally flat and undeveloped, surface water drainage is expected to occur to localized low points throughout the site and through percolation According to the USGS Topographic Map, revised 2019, elevation within the subject property varies from approximately 350 to 380 feet above mean sea level.

2.2 Site Geology and Hydrogeology

According to a 2022 Geotechnical Evaluation performed by Terracon Consultants Inc. (Terracon), groundwater is expected to occur between 19 and 26 feet below ground surface. The Phase I also inferred the hydrogeologic gradient of the site being in a west/northwest direction.

The site is mainly comprised of sandy silt and loams in the undeveloped forested areas, and construction debris, sandy silt, and rocks within the former fill area. As outlined in the Phase I, bedrock was encountered at depths between 3.5 feet and 25 feet in the central region of the site. According to the Rensselaer County bedrock geology map of North Greenbush, the site is underlain by a mixture of slate, shale, and quartzite bedrock (CRTC). Bedrock outcrops are present on the south end of the site.

2.3 Historical Operations

According to the Phase I Report, prior to 1950 the site was used for agricultural purposes. During the 1950's and part of the 1960's the site was purchased and used as a sand and gravel pit. A maintenance garage was also constructed in the northeastern portion of the site during this time. During the 1970's, sand and gravel mining operations ceased, and the pit excavations were

backfilled with imported construction debris, determined to have been placed in an uncontrolled manner (Terracon, 2023).

2.4 Background Information

A 1992 Phase I conducted by Clough, Harbour & Associates (CHA) identified the site's prior usage as first a gravel pit, followed by a fill site for construction debris. Initial interviews with the property owner indicated the presence of two (2) underground storage tanks onsite, including a 1,000-gallon fuel oil tank and a 2,000 gallon gasoline tank. However, a follow up interview with the property owner indicated that one of the two tanks was an above ground diesel storage tank, which had been removed from the site.

A 1992 Electromagnetic Scan of the site by CHA identified an anomaly consistent with a 1,000-gallon underground storage tank adjacent to the garage building. In November of 1995, an Underground Storage Tank Closure Report was prepared for the planned removal of the 1,000-gallon underground storage tank identified during the Electromagnetic Scan. Upon excavation, two 500-gallon underground storage tanks were encountered and subsequently removed. After removal, petroleum impacted soils were observed and the NYSDEC was notified via the Spill Hotline (Spill number 9510350). Remediation activities included the removal of approximately 22 cubic yards of impacted soil, although residual contamination under the garage was left in place due to structural integrity concerns. As the full extent of the Electromagnetic Scan is not known, the possible presence of an additional tank onsite was identified as a REC in the 2023 Phase I.

In May 1996 a Subsurface Investigation Report was performed by UST Solutions to determine the extent of residual contamination on site from the prior spill. Sample results indicated low-level residual methyl-tert-butyl-ether (MTBE) in the groundwater in the vicinity of the removed fuel oil tanks. The source of the MTBE in the groundwater was unknown, as both 500-gallon tanks were identified as having fuel oil inside, while MTBE is a component of gasoline. The presence of residual contamination at the site was identified as a REC in the 2023 Phase I.

During the 1990's and 2000's the site became vegetated with grass and trees. Between 2010 and 2011, the Celeste family acquired the site. In January of 2022 a Preliminary Geotechnical Report was completed by Terracon and indicated that fill material, including silt, sand, gravel, clay, brick, wood, cinders, coal, slag, plastic, and concrete are present to depths between 1 and 23 feet below the ground surface. The placed fill was identified as a REC in the 2023 Phase I.

Terracon also performed site reconnaissance as part of their Phase I, where they observed surface liter, household debris, and what appeared to be an old heating or venting unit. They also noted rusted metal 55-gallon drums located in the northern portion of the site. The unknown nature of the remnant 55-gallon drums was identified as a Significant Data Gap in the 2023 Phase I.

3.0 PHASE II SCOPE OF WORK

The limited Phase II site investigation was performed on May 21, 2024 at the request of Mr. Joe Celeste. Based on the Phase I completed by Terracon, RECs included the possible presence of residual contamination on the site including MTBE, fill material of unknown origin and composition, and the possible presence of an additional UST. The presence of remnant 55-gallon drums was identified as a data gap. Test pit excavations were performed throughout the site to investigate the RECs and presence of drums identified in the 2023 Phase I and to identify potential Contaminants of Concern (COCs). Figures 1 and 2 show test pit excavation and sample locations. The Phase II investigation was limited in scope and did not include a soil boring investigation. Test Pits were completed to the extent possible with the equipment (approximately 22 feet below grade) but groundwater was not encountered.

The following parameters were analyzed at select test pit locations across the site:

- PCBs by EPA Method 8082
- Pesticides by EPA Method 8081
- SVOCs by EPA Method 8270
- VOCs by EPA Method 8260
- Metals by EPA Method 6010, including mercury by 7471 (solid)

The specific parameters analyzed for each sample are discussed in the following sections and Table 1 below. All analyses were completed by Pace Analytical of Melville, NY. The Site observation report is provided in Appendix A.

3.1 Test Pit Investigation

Nine (9) test pits were excavated on May 21, 2024. The following test pits were excavated at each area of the site previously mentioned (see Figures 1 and 2 for locations):

- Garage Building
  - TP-1 and TP-2
- Remnant 55-Gallon Drums
  - TP-3
- Approximate Historic Fill Area
  - TP-4 through TP-9

Test pit excavation depths ranged from approximately 5 to 20ft below ground surface (bgs). Fill observed was consistent with materials described within the Phase I, composed largely of sandy silty, with gravel, rocks, and construction and demolition debris including asphalt, brick, and

concrete. Soil samples were taken from seven (7) of the test pits. Groundwater was not encountered within any of the test pits. Test pit logs are attached in Appendix D.

3.1.1 Test Pit Soil Sampling Protocol

Table 1 provides the list of samples collected from each test pit, including the depth and analyses completed. Figure 1 shows Test Pit and Sample Locations. Grab samples were collected from the desired sampling interval using Terracore sampling kits for VOCs. Envirospec determined grab sample locations by screening the soil for exceedances using a Photoionization Device (PID) through both initial readings as well as 15-minute headspace readings. If no exceedances were detected, the grab sample was taken from the same interval as the composite sample. Composite samples were collected for the remaining analyses from the desired depth. Samples were composited in Ziploc bags to ensure proper mixing. New gloves were used for each sample interval to prevent cross-contamination. Samples were kept cool (<4°C) in an ice-packed cooler for transportation to the lab. A complete chain-of-custody form accompanied each sample shipment.

Table 1. List of Test Pit samples and analyses.

Sample	Media	Excavation Depth (ft bgs)	PID Headspace Reading (ppm)	Analyses Completed
TP-1	Soil	20	1.4	VOCs, SVOCs, pesticides, PCBs, Metals including Mercury
TP-2	Soil	10	1.5	VOCs, SVOCs,
TP-3	Soil	9	-	VOCs and SVOCs
TP-4	Soil	20	1.1	VOCs, SVOCs, pesticides, PCBs, Metals including Mercury
TP-5	Soil	12	60.3	VOCs, SVOCs, PCBs, Metals including Mercury
TP-6	Soil	12	2.0	VOCs, SVOCs, Pesticides, PCBs, Metals including Mercury
TP-8	Soil	12	2.3	VOCs, SVOCs, PCBs, Metals including Mercury

4.0 SUMMARY OF INVESTIGATION RESULTS

The following section provides a summary of soil analytical results from samples collected during the test pit excavations. For soil, the analytical results were compared to NYSDEC Unrestricted Use and Restricted Residential Soil Cleanup Objectives (UUSCO and RRSCO) from 6 NYCRR 375-6.8(b). A full table of results is provided in Appendix B. Laboratory results are provided in Appendix C.

4.1 Test Pit Results

Test pits (TP-1 and TP-2) were excavated to visually observe site conditions and to investigate the RECs identified in the Phase I Report. Two (2) test pits were excavated in the vicinity of the garage to investigate the presence of USTs. No indication of remaining USTs was encountered.

Visual observation of the site was completed to investigate the presence of 55 gallon drums discussed in the Phase I Report. No drums were identified on site. A test pit (TP-3) was excavated in the reported location of the drums from the Phase I Report. There was no evidence of drum remnants or contamination.

The remaining test pits (TP-4 through TP-9) were excavated to confirm the nature and extent of fill material. Visual observations were consistent with the Phase I Report and evidence of construction debris was identified. No gross contamination was identified in the test pits.

4.2 Soil Sampling Results

TP-4 had exceedances of the UUSCO for the metal mercury (0.23 mg/L vs. 0.18 mg/L) and the VOC acetone (0.0861 mg/L vs. 0.05 mg/L). TP-6 had exceedances of the UUSCO for the metals copper (76.2 mg/L vs. 50 mg/L), lead (170 mg/L vs. 63 mg/L), zinc (179 mg/L vs. 109 mg/L), and mercury (0.74 mg/L vs. 0.18 mg/L). Additionally, TP-6 had exceedances of the RRSCO for the SVOCs Benzo(a)anthracene (6.78 mg/L vs 1 mg/L), Benzo(a)pyrene (5.86 mg/L vs. 1 mg/L), Benzo(b)fluoranthene (9.69 mg/L vs. 1 mg/L), Benzo(k)fluoranthene (9.11 mg/L vs. 1 mg/L), and Chrysene (7.66 mg/L vs. 1 mg/L).

Results do not indicate the presence of gross contamination throughout the site. Exceedances observed for both metals and SVOCs at TP-4 and TP-6 were only slightly above standards are indicative of the fill material encountered during test pit excavations, which included construction and demolition debris as well as asphalt. Metals are naturally occurring and levels were only slightly above standards, which is not uncommon even without the presence of debris. Asphalt consists of SVOCs and was encountered in several test pits, including TP-6. The VOC

acetone is a common laboratory contaminant and is not considered to be a COC or indicative of site conditions.

The attached Figure 2 shows Sample Exceedances. Table 2 below summarizes the exceedances for the test pit samples.

Table 2. Soil Sample Exceedances.

Analyte (ppm)	URSCO	RRSCO	TP-4	TP-6
Metals				
Copper	50	270	41.2	76.2
Lead	63	400	27.2	170
Zinc	109	2200	94.8	179
Mercury	.18	.81	.23	.74
VOCs				
Acetone	.05	100	.0861	.0338
SVOCs				
Benzo(a)anthracene	1	1	ND	6.78
Benzo(a)pyrene	1	1	ND	5.86
Benzo(b)fluoranthene	1	1	ND	9.69
Benzo(k)fluoranthene	.8	1	ND	9.11
Chrysene	1	1	ND	7.66

5.0 CONCLUSION

Exceedances of UUSCO mercury and acetone were observed at TP-4, located in the northern central portion of the fill area. Exceedances of the UUSCOs for the metals copper, lead, zinc, and mercury were observed at TP-6, located in the southern central portion of the fill area. TP-6 also had exceedances of the RRSCOs for the SVOCs Benzo(a) anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Chrysene. These exceedances are indicative of the fill material encountered during test pit excavations, which included construction and demolition debris, as well as asphalt. There was no indication of drums, or USTs. Results did not indicate a source of gross contamination.

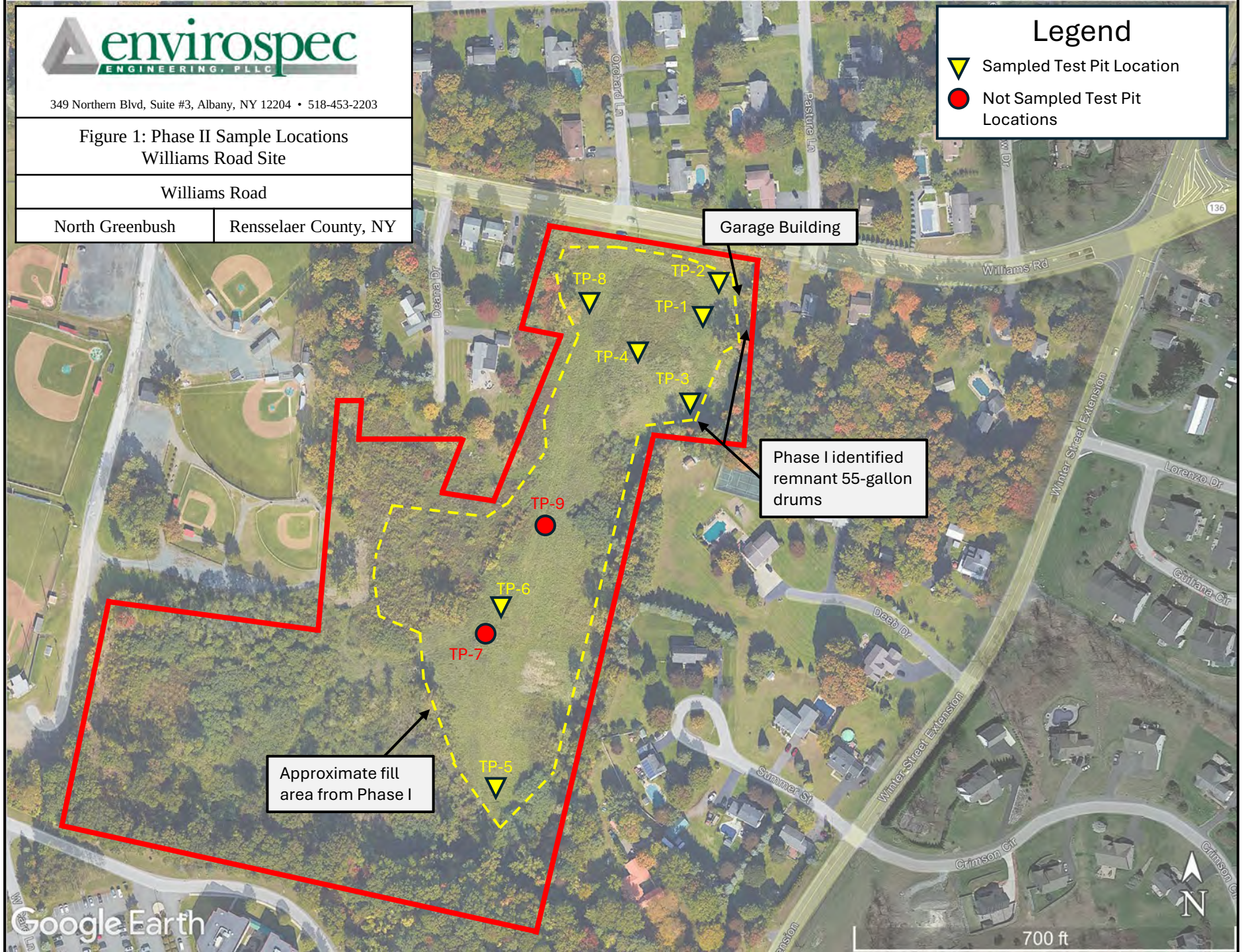
6.0 LIMITATIONS

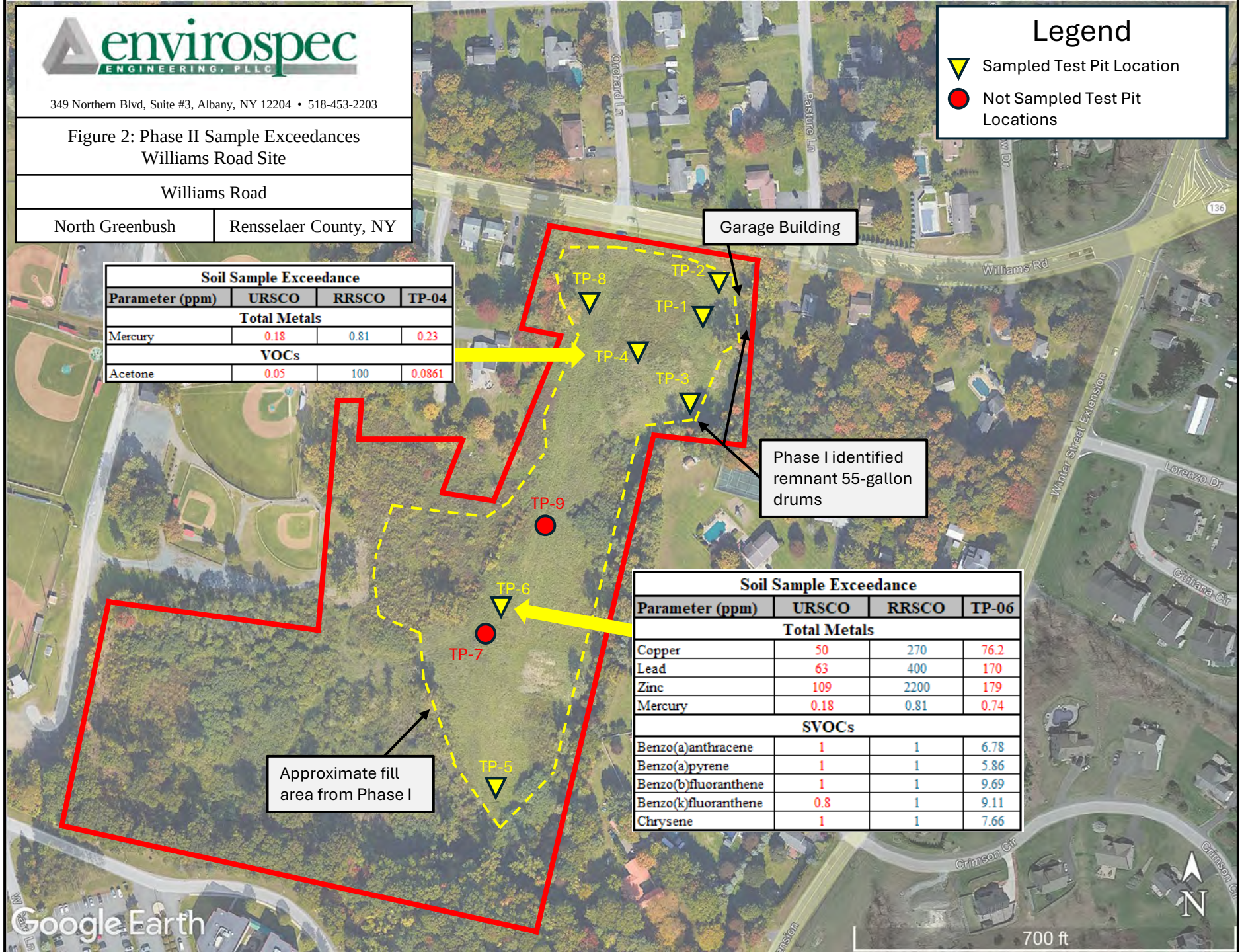
This site investigation was of a limited nature and was to determine if a gross source of contamination was present on the Site. This study was limited to the scope of work performed and the limitation of the methodologies employed to investigate the Site. This study was restricted to soil testing through test pit excavations. No soil borings investigation was completed and therefore bedrock depth was not confirmed. In addition, no groundwater sampling was conducted since groundwater was not encountered during investigation activities. This report is only for reliance by Mr. Joe Celeste and cannot be used by others without written consent of Envirospec Engineering, PLLC.

7.0 REFERENCES

Capital Region Transportation Council. North Greenbush Existing Conditions Natural Resources Inventory Mapping.

Terracon Consultants NY, Inc (Terracon). 2023. Phase I Environmental Site Assessment, Williams Road Site, Williams Road, north Greenbush, Rensselaer County, NY. February 6, 2023.


envirospec
ENGINEERING, PLLC
349 Northern Blvd, Suite #3, Albany, NY 12204 • 518-453-2203
Figure 1: Phase II Sample Locations
Williams Road Site
Williams Road
North Greenbush
Rensselaer County, NY
Legend
Sampled Test Pit Location
Not Sampled Test Pit Locations
Garage Building
Phase I identified remnant 55-gallon drums
Approximate fill area from Phase I
TP-1
TP-2
TP-3
TP-4
TP-5
TP-6
TP-7
TP-8
TP-9
Williams Rd
Orchard Ln
Pasture Ln
Deana Dr
Winter Street Extension
Lorenzo Dr
Giuliana Cir
Deeb Dr
Summer St
Crimson Cir
136
Google Earth
700 ft
N


envirospec
ENGINEERING, PLLC
349 Northern Blvd, Suite #3, Albany, NY 12204 • 518-453-2203
Figure 2: Phase II Sample Exceedances
Williams Road Site
Williams Road
North Greenbush
Rensselaer County, NY
Legend
Sampled Test Pit Location
Not Sampled Test Pit Locations
Garage Building
Phase I identified remnant 55-gallon drums
Approximate fill area from Phase I
TP-1
TP-2
TP-3
TP-4
TP-5
TP-6
TP-7
TP-8
TP-9
Soil Sample Exceedance
Parameter (ppm) | URSCO | RRSCO | TP-04
Total Metals
Mercury | 0.18 | 0.81 | 0.23
VOCs
Acetone | 0.05 | 100 | 0.0861
Soil Sample Exceedance
Parameter (ppm) | URSCO | RRSCO | TP-06
Total Metals
Copper | 50 | 270 | 76.2
Lead | 63 | 400 | 170
Zinc | 109 | 2200 | 179
Mercury | 0.18 | 0.81 | 0.74
SVOCs
Benzo(a)anthracene | 1 | 1 | 6.78
Benzo(a)pyrene | 1 | 1 | 5.86
Benzo(b)fluoranthene | 1 | 1 | 9.69
Benzo(k)fluoranthene | 0.8 | 1 | 9.11
Chrysene | 1 | 1 | 7.66
Orchard Ln
Pasture Ln
Williams Rd
136
Winter Street Extension
Lorenzo Dr
Giuliana Cir
Crimson Cir
Google Earth
700 ft
N

APPENDIX A
Site Observation Report

Envirospec Engineering, PLLC
16 Computer Drive West
Albany, NY 12205

Phone: 518.453.2203

Fax: 518.689.4800

Report No. N/A
Page No. 1 of 1
Date 5/21/2024

Weather	Temperature
Partly Cloudy	High 74º (avg high) Low 51º (avg low)

SITE OBSERVATION REPORT

Project: Williams Road Phase II Project Number: E24-4216

Location: Williams Road, North Greenbush, NY 12180

Staff-On-Site:
Gianna Aiezza (arrived ~9:10 am, left ~12:00)
Sarah Williams (arrived ~9:10 am, offsite 16:00)
Ashley Pavia (arrived ~9:10 am, left ~12:00)
Joe Braun (arrived ~9 am, offsite 16:00)

Equipment On-Site:
Excavator

Summary of Work Completed:

Test Pit 1 (TP1) full set of soil samples including pesticides taken at 09:45; initial (0.0) and headspace (1.4) PID readings taken at ~20ft

Test Pit 2 (TP2) SVOcs and VOCs sampled at 10:35; initial (0.0) and headspace (.7) PID readings taken at ~7ft in depth; initial (0.0) and headspace (1.5) PID readings taken at ~10ft in depth

Test Pit 3 (TP3) SVOCs and VOCs sampled at 14:40; no PID readings taken

Test Pit 4 (TP4) full set of soil samples including pesticides taken at 11:35; initial (0.0) and headspace (1.1) PID readings taken at ~5ft in depth; initial (0.0) and headspace (0.9) PID readings taken at ~8-9 ft in depth; an initial (0.0) PID reading was taken at ~20ft in depth, no headspace reading taken

Test Pit 5 (TP5) soil samples not including pesticides taken at 12:30; initial (0.1) and headspace (60.3) PID readings taken at ~5-6 ft in depth; initial (0.1) and headspace (8.2) PID readings taken at ~12 ft in depth

Test Pit 6 (TP6) full set of soil samples including pesticides taken at 13:20; initial (0.0) and headspace (2.0) PID readings taken at ~5-6 ft in depth; initial (0.0) and headspace (0.8) PID readings at ~12ft in depth

Test Pit 7 (TP7) initial (0.0) and headspace (1.6) PID readings taken at ~5ft in depth, logged at 13:35; no samples taken

Test Pit 8 (TP8) soil samples not including pesticides taken at 14:00; initial (0.0) and headspace (2.3) PID readings taken at ~5ft in depth; initial (0.1) and headspace (1.5) PID readings taken at ~12ft in depth

Test Pit 9 (TP9) initial (0.1) and headspace (1.8) PID readings taken at ~8ft in depth, logged at 14:20; no samples taken

The above comments were made by: Sarah Williams

Photographs _____ _____ (Hrs)

APPENDIX B
Investigation Results

Table 3 Soil Analytical Results									
Parameter	**(Id: 1842) NY-DEC-Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives**	**(Id: 1843) NY-DEC-Table 375-6.8(b): Restricted Use Soil Cleanup Objectives - Residential**	**TP-01**	**TP-02**	**TP-03**	**TP-04**	**TP-05**	**TP-06**	**TP-08**
Total Metals									
Aluminum			15000	NA	NA	14700	15600	13200	16000
Antimony			<2.9	NA	NA	<3.2	<3.0	<2.9	<3.2
Arsenic	13	16	10.0	NA	NA	9.3	5.5	11.0	6.3
Barium	350	350	104	NA	NA	94.8	92.6	152	95.1
Beryllium	7.2	14	0.62	NA	NA	0.67	0.68	0.91	0.63
Cadmium	2.5	2.5	<0.12	NA	NA	<0.14	<0.13	0.27	<0.14
Calcium			4520	NA	NA	9800	6420	20000	1230
Chromium			18.4	NA	NA	19.4	16.7	16.9	17.9
Cobalt			12.6	NA	NA	14.2	9.9	10.1	9.9
Copper	50	270	35.5	NA	NA	41.2	26.4	76.2	31.0
Iron			32800	NA	NA	33500	27700	33800	28700
Lead	63	400	28.7	NA	NA	27.2	27.6	170	32.4
Magnesium			6420	NA	NA	6660	5820	5730	5390
Manganese	1600	2000	1100	NA	NA	856	739	767	794
Nickel	30	140	28.6	NA	NA	29.2	24.9	25.0	24.9
Potassium			1270	NA	NA	1410	1290	1390	1100
Selenium	3.9	36	<0.49	NA	NA	<0.54	<0.51	0.54	<0.54
Silver	2	36	<0.49	NA	NA	<0.54	<0.51	<0.49	<0.54
Sodium			<243	NA	NA	<271	297	340	<270
Thallium			<0.49	NA	NA	<0.54	<0.51	<0.49	<0.54
Vanadium			20.0	NA	NA	22.4	21.5	22.3	21.3
Zinc	109	2200	107	NA	NA	94.8	73.9	179	94.0
Mercury	.18	.81	0.068	NA	NA	0.23	<0.042	0.74	0.047

Table 3 Soil Analytical Results									
Parameter	**(Id: 1842) NY-DEC-Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives**	**(Id: 1843) NY-DEC-Table 375-6.8(b): Restricted Use Soil Cleanup Objectives - Residential**	**TP-01**	**TP-02**	**TP-03**	**TP-04**	**TP-05**	**TP-06**	**TP-08**
Pesticides									
4,4'-DDD	0.0033	2.6	ND	NA	NA	ND	NA	ND	NA
4,4'-DDE	0.0033	1.8	ND	NA	NA	ND	NA	ND	NA
4,4'-DDT	0.0033	1.7	ND	NA	NA	ND	NA	ND	NA
Aldrin	0.005	0.019	ND	NA	NA	ND	NA	ND	NA
Dieldrin	0.005	0.039	ND	NA	NA	ND	NA	ND	NA
Endosulfan I			ND	NA	NA	ND	NA	ND	NA
Endosulfan II			ND	NA	NA	ND	NA	ND	NA
Endosulfan sulfate	2.4	4.8	ND	NA	NA	ND	NA	ND	NA
Endrin	0.014	2.2	ND	NA	NA	ND	NA	ND	NA
Heptachlor	0.042	0.42	ND	NA	NA	ND	NA	ND	NA
Heptachlor epoxide			ND	NA	NA	ND	NA	ND	NA
Methoxychlor			ND	NA	NA	ND	NA	ND	NA
Toxaphene			ND	NA	NA	ND	NA	ND	NA
alpha-BHC	0.02	0.097	ND	NA	NA	ND	NA	ND	NA
alpha-Chlordane	0.094	0.91	ND	NA	NA	ND	NA	ND	NA
beta-BHC	0.036	0.072	ND	NA	NA	ND	NA	ND	NA
gamma-BHC (Lindane)	0.1	0.28	ND	NA	NA	ND	NA	ND	NA
gamma-Chlordane			ND	NA	NA	ND	NA	ND	NA
PCBs									
PCB, Total	0.1	1	ND	NA	NA	ND	ND	ND	ND
PCB-1016 (Aroclor 1016)			ND	NA	NA	ND	ND	ND	ND
PCB-1221 (Aroclor 1221)			ND	NA	NA	ND	ND	ND	ND
PCB-1232 (Aroclor 1232)			ND	NA	NA	ND	ND	ND	ND
PCB-1242 (Aroclor 1242)			ND	NA	NA	ND	ND	ND	ND
PCB-1248 (Aroclor 1248)			ND	NA	NA	ND	ND	ND	ND
PCB-1254 (Aroclor 1254)			ND	NA	NA	ND	ND	ND	ND
PCB-1260 (Aroclor 1260)			ND	NA	NA	ND	ND	ND	ND
PCB-1262 (Aroclor 1262)			ND	NA	NA	ND	ND	ND	ND
PCB-1268 (Aroclor 1268)			ND	NA	NA	ND	ND	ND	ND

Table 3 Soil Analytical Results									
Parameter	**(Id: 1842) NY-DEC-Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives**	**(Id: 1843) NY-DEC-Table 375-6.8(b): Restricted Use Soil Cleanup Objectives - Residential**	**TP-01**	**TP-02**	**TP-03**	**TP-04**	**TP-05**	**TP-06**	**TP-08**
VOCs									
1,1,1,2-Tetrachloroethane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,1,1- Trichloroethane	0.68	100	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,1,2,2-Tetrachloroethane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,1,2- Trichloroethane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,1,2- Trichlorotrifluoroethane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,1-Dichloroethane	0.27	19	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,1-Dichloroethene	0.33	100	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,1-Dichloropropene			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,2,3-Trichlorobenzene			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,2,3-Trichloropropane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,2,4,5-tetramethylbenzene			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,2,4-Trichlorobenzene			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,2,4-Trimethylbenzene	3.6	47	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,2-Dibromo-3-chloropropane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,2-Dibromoethane (EDB)			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,2-Dichlorobenzene	1.1	100	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,2-Dichloroethane	0.02	2.3	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,2-Dichloropropane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,3,5-Trimethylbenzene	8.4	47	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,3-Dichlorobenzene	2.4	17	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,3-Dichloropropane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
1,4-Dichlorobenzene	1.8	9.8	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
2,2-Dichloropropane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
2-Butanone (MEK)	0.12	100	0.0047	<0.0023	0.0109	0.0097	0.0041	0.0072	<0.0022
2-Chlorotoluene			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
4-Chlorotoluene			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
4-Methyl-2-pentanone (MIBK)			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Acetone	0.05	100	0.0443	0.0073	0.0814	0.0861	0.0292	0.0338	0.0280
Benzene	0.06	2.9	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Bromobenzene			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Bromochloromethane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Bromodichloromethane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Bromoform			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022

Table 3 Soil Analytical Results									
Parameter	**(Id: 1842) NY-DEC-Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives**	**(Id: 1843) NY-DEC-Table 375-6.8(b): Restricted Use Soil Cleanup Objectives - Residential**	**TP-01**	**TP-02**	**TP-03**	**TP-04**	**TP-05**	**TP-06**	**TP-08**
Bromomethane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Carbon tetrachloride	0.76	1.4	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Chlorobenzene	1.1	100	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Chlorodifluoromethane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Chloroethane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Chloroform	0.37	10	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Chloromethane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Dibromochloromethane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Dibromomethane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Dichlorodifluoromethane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Ethylbenzene	1	30	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Hexachloro-1,3-butadiene			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Isopropylbenzene (Cumene)			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Methyl-tert-butyl ether	0.93	62	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Methylene Chloride	0.05	51	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Naphthalene	12	100	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Styrene			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Tetrachloroethene	1.3	5.5	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Toluene	0.7	100	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	0.0039	<0.0022
Trichloroethene	0.47	10	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Trichlorofluoromethane			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Vinyl chloride	0.02	0.21	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
Xylene (Total)	0.26	100	<0.0038	<0.0046	<0.0039	<0.0041	<0.0043	0.0080	<0.0045
cis-1,2-Dichloroethene	0.25	59	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
cis-1,3-Dichloropropene			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
m&p-Xylene			<0.0038	<0.0046	<0.0039	<0.0041	<0.0043	0.0050	<0.0045
n-Butylbenzene	12	100	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
n-Propylbenzene	3.9	100	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
o-Xylene			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	0.0029	<0.0022
p-Isopropyltoluene			<0.0019	<0.0023	<0.0020	0.0037	<0.0022	<0.0023	<0.0022
sec-Butylbenzene	11	100	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
tert-Butylbenzene	5.9	100	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
trans-1,2-Dichloroethene	0.19	100	<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022
trans-1,3-Dichloropropene			<0.0019	<0.0023	<0.0020	<0.0021	<0.0022	<0.0023	<0.0022

Table 3 Soil Analytical Results									
Parameter	**(Id: 1842) NY-DEC-Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives**	**(Id: 1843) NY-DEC-Table 375-6.8(b): Restricted Use Soil Cleanup Objectives - Residential**	**TP-01**	**TP-02**	**TP-03**	**TP-04**	**TP-05**	**TP-06**	**TP-08**
SVOCs									
1,2,4,5-Tetrachlorobenzene			ND	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol			ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol			ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol			ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol			ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol			ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol			ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene			ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene			ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene			ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol			ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene			ND	ND	ND	ND	ND	ND	ND
2-Methylphenol(o-Cresol)	0.33	100	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline			ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol			ND	ND	ND	ND	ND	ND	ND
3&4-Methylphenol(m&p Cresol)			ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine			ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline			ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol			ND	ND	ND	ND	ND	ND	ND
4-Bromophenylphenyl ether			ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol			ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline			ND	ND	ND	ND	ND	ND	ND
4-Chlorophenylphenyl ether			ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline			ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol			ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	100	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	100	ND	ND	ND	ND	ND	ND	ND
Acetophenone			ND	ND	ND	ND	ND	ND	ND
Anthracene	100	100	ND	ND	ND	ND	ND	ND	ND
Atrazine			ND	ND	ND	ND	ND	ND	ND
Benzaldehyde			ND	ND	ND	ND	ND	ND	ND

Table 3 Soil Analytical Results									
Parameter	**(Id: 1842) NY-DEC-Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives**	**(Id: 1843) NY-DEC-Table 375-6.8(b): Restricted Use Soil Cleanup Objectives - Residential**	**TP-01**	**TP-02**	**TP-03**	**TP-04**	**TP-05**	**TP-06**	**TP-08**
Benzo(a)anthracene	1	1	ND	ND	ND	ND	ND	6.78	ND
Benzo(a)pyrene	1	1	ND	ND	ND	ND	ND	5.86	ND
Benzo(b)fluoranthene	1	1	ND	ND	ND	ND	ND	9.69	ND
Benzo(g,h,i)perylene	100	100	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.8	1	ND	ND	ND	ND	ND	9.11	ND
Biphenyl (Diphenyl)			ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate			ND	ND	ND	ND	ND	ND	ND
Caprolactam			ND	ND	ND	ND	ND	ND	ND
Carbazole			ND	ND	ND	ND	ND	ND	ND
Chrysene	1	1	ND	ND	ND	ND	ND	7.66	ND
Di-n-butylphthalate			ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate			ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	0.33	0.33	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	14	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate			ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate			ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	100	ND	ND	ND	ND	ND	15.7	ND
Fluorene	30	100	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene			ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	0.33	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene			ND	ND	ND	ND	ND	ND	ND
Hexachloroethane			ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND	ND	ND	ND	ND	ND	ND
Isophorone			ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine			ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	100	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene			ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	2.4	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	100	ND	ND	ND	ND	ND	20.5	ND
Phenol	0.33	100	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	100	ND	ND	ND	ND	ND	14.7	ND
bis(2-Chloroethoxy)methane			ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl) ether			ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate			ND	ND	ND	ND	ND	ND	ND

Table 3 Soil Analytical Results									
Parameter	**(Id: 1842) NY-DEC-Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives**	**(Id: 1843) NY-DEC-Table 375-6.8(b): Restricted Use Soil Cleanup Objectives - Residential**	**TP-01**	**TP-02**	**TP-03**	**TP-04**	**TP-05**	**TP-06**	**TP-08**

(1) All results in ppm
(2) Results exceeding unrestricted residential SCOs are RED
(3) Results exceeding restricted residential SCOs are BLUE
(4) 'ND' = Not Detected
(5) 'NA' = Not Analyzed

APPENDIX C
Laboratory Analytical Results

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

June 17, 2024

Joseph Braun
Envirospec Engineering, PLLC
349 Northern Blvd, Suite 3
Albany, NY 12204

RE: Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Dear Joseph Braun:

Enclosed are the analytical results for sample(s) received by the laboratory on May 23, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville
- Pace Analytical Services - Greensburg

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

Sincerely,

Daniel H. Bonitto

Daniel H. Bonitto
daniel.bonitto@pacelabs.com
516-370-6000
Project Manager

Enclosures

cc: Nicole Brower, Envirospec Engineering, PLLC
Steven Labrecque, Envirospec Engineering
Elizabeth Neznek, Envirospec Engineering

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

CERTIFICATIONS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
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 #: PA014572023-03
New Hampshire/TNI Certification #: 297622
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 #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

SAMPLE ANALYTE COUNT

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70298909001	**TP1**	EPA 8081B	CTS	20	PASI-PA
		EPA 8082A	SEL	12	PASI-PA
		EPA 6010D	JWT	22	PACE-MV
		EPA 7471B	JP2	1	PACE-MV
		EPA 8270D	EAC	88	PASI-PA
		EPA 8260D	KGG	70	PACE-MV
		ASTM D2216-05M	NAA	1	PACE-MV
70298909002	**TP2**	EPA 8270D	EAC	86	PASI-PA
		EPA 8260D	KGG	70	PACE-MV
		ASTM D2216-05M	NAA	1	PACE-MV
70298909003	**TP3**	EPA 8270D	EAC	90	PASI-PA
		EPA 8260D	KGG	70	PACE-MV
		ASTM D2216-05M	NAA	1	PACE-MV
70298909004	**TP4**	EPA 8081B	CTS	20	PASI-PA
		EPA 8082A	SEL	12	PASI-PA
		EPA 6010D	JWT	22	PACE-MV
		EPA 7471B	JP2	1	PACE-MV
		EPA 8270D	EAC	89	PASI-PA
		EPA 8260D	KGG	70	PACE-MV
		ASTM D2216-05M	NAA	1	PACE-MV
70298909005	**TP5**	EPA 8082A	BNL	12	PASI-PA
		EPA 6010D	JWT	22	PACE-MV
		EPA 7471B	JP2	1	PACE-MV
		EPA 8270D	EAC	76	PASI-PA
		EPA 8260D	KGG	70	PACE-MV
		ASTM D2216-05M	NAA	1	PACE-MV
70298909006	**TP6**	EPA 8081B	CTS	20	PASI-PA
		EPA 8082A	SEL	12	PASI-PA
		EPA 6010D	JWT	22	PACE-MV
		EPA 7471B	JP2	1	PACE-MV
		EPA 8270D	EAC	78	PASI-PA
		EPA 8260D	KGG	70	PACE-MV
		ASTM D2216-05M	NAA	1	PACE-MV
70298909007	**TP8**	EPA 8082A	BNL	12	PASI-PA
		EPA 6010D	JWT	22	PACE-MV
		EPA 7471B	JP2	1	PACE-MV
		EPA 8270D	EAC	91	PASI-PA

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

SAMPLE ANALYTE COUNT

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260D	KGG	70	PACE-MV
		ASTM D2216-05M	NAA	1	PACE-MV

PACE-MV = Pace Analytical Services - Melville
PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP1 **Lab ID: 70298909001** Collected: 05/21/24 09:45 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8081B GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Aldrin	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	309-00-2	
alpha-BHC	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	319-84-6	
beta-BHC	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	319-85-7	
gamma-BHC (Lindane)	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	58-89-9	
alpha-Chlordane	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	5103-71-9	
gamma-Chlordane	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	5103-74-2	
4,4'-DDD	ND	ug/kg	3.7	1	06/03/24 09:04	06/04/24 09:52	72-54-8	
4,4'-DDE	ND	ug/kg	3.7	1	06/03/24 09:04	06/04/24 09:52	72-55-9	
4,4'-DDT	ND	ug/kg	3.7	1	06/03/24 09:04	06/04/24 09:52	50-29-3	CH
Dieldrin	ND	ug/kg	3.7	1	06/03/24 09:04	06/04/24 09:52	60-57-1	
Endosulfan I	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	959-98-8	
Endosulfan II	ND	ug/kg	3.7	1	06/03/24 09:04	06/04/24 09:52	33213-65-9	
Endosulfan sulfate	ND	ug/kg	3.7	1	06/03/24 09:04	06/04/24 09:52	1031-07-8	
Endrin	ND	ug/kg	3.7	1	06/03/24 09:04	06/04/24 09:52	72-20-8	
Heptachlor	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	76-44-8	
Heptachlor epoxide	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	1024-57-3	
Methoxychlor	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 09:52	72-43-5	CH
Toxaphene	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 09:52	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	89	%.	44-102	1	06/03/24 09:04	06/04/24 09:52	877-09-8	
Decachlorobiphenyl (S)	98	%.	41-108	1	06/03/24 09:04	06/04/24 09:52	2051-24-3	
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
PCB-1016 (Aroclor 1016)	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.7	1	06/03/24 09:04	06/04/24 22:11	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.7	1	06/03/24 09:04	06/04/24 22:11	11096-82-5	
PCB-1262 (Aroclor 1262)	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	37324-23-5	
PCB-1268 (Aroclor 1268)	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	11100-14-4	
PCB, Total	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	89	%.	59-94	1	06/03/24 09:04	06/04/24 22:11	877-09-8	
Decachlorobiphenyl (S)	91	%.	73-118	1	06/03/24 09:04	06/04/24 22:11	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Melville							
Aluminum	**15000**	mg/kg	97.3	10	05/29/24 09:50	05/30/24 11:26	7429-90-5	
Antimony	**<2.9**	mg/kg	2.9	1	05/29/24 09:50	05/30/24 10:52	7440-36-0	
Arsenic	**10.0**	mg/kg	0.49	1	05/29/24 09:50	05/30/24 10:52	7440-38-2	
Barium	**104**	mg/kg	9.7	1	05/29/24 09:50	05/30/24 10:52	7440-39-3	
Beryllium	**0.62**	mg/kg	0.24	1	05/29/24 09:50	05/30/24 10:52	7440-41-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP1 **Lab ID: 70298909001** Collected: 05/21/24 09:45 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Melville							
Cadmium	**<0.12**	mg/kg	0.12	1	05/29/24 09:50	05/30/24 10:52	7440-43-9	
Calcium	**4520**	mg/kg	48.7	1	05/29/24 09:50	05/30/24 10:52	7440-70-2	
Chromium	**18.4**	mg/kg	0.49	1	05/29/24 09:50	05/30/24 10:52	7440-47-3	
Cobalt	**12.6**	mg/kg	2.4	1	05/29/24 09:50	05/30/24 10:52	7440-48-4	
Copper	**35.5**	mg/kg	1.2	1	05/29/24 09:50	05/30/24 10:52	7440-50-8	
Iron	**32800**	mg/kg	48.7	10	05/29/24 09:50	05/30/24 11:26	7439-89-6	
Lead	**28.7**	mg/kg	0.24	1	05/29/24 09:50	05/30/24 10:52	7439-92-1	
Magnesium	**6420**	mg/kg	48.7	1	05/29/24 09:50	05/30/24 10:52	7439-95-4	
Manganese	**1100**	mg/kg	7.3	10	05/29/24 09:50	05/30/24 11:26	7439-96-5	
Nickel	**28.6**	mg/kg	1.9	1	05/29/24 09:50	05/30/24 10:52	7440-02-0	
Potassium	**1270**	mg/kg	243	1	05/29/24 09:50	05/30/24 10:52	7440-09-7	
Selenium	**<0.49**	mg/kg	0.49	1	05/29/24 09:50	05/30/24 10:52	7782-49-2	
Silver	**<0.49**	mg/kg	0.49	1	05/29/24 09:50	05/30/24 10:52	7440-22-4	
Sodium	**<243**	mg/kg	243	1	05/29/24 09:50	05/30/24 10:52	7440-23-5	
Thallium	**<0.49**	mg/kg	0.49	1	05/29/24 09:50	05/30/24 10:52	7440-28-0	
Vanadium	**20.0**	mg/kg	2.4	1	05/29/24 09:50	05/30/24 10:52	7440-62-2	
Zinc	**107**	mg/kg	0.97	1	05/29/24 09:50	05/30/24 10:52	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Melville							
Mercury	**0.068**	mg/kg	0.040	1	05/29/24 08:00	05/29/24 15:42	7439-97-6	
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Acenaphthene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	83-32-9	
Acenaphthylene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	208-96-8	
Acetophenone	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	98-86-2	
Anthracene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	120-12-7	
Atrazine	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	1912-24-9	
Benzaldehyde	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	100-52-7	
Benzo(a)anthracene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	56-55-3	
Benzo(a)pyrene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	205-99-2	lp
Benzo(g,h,i)perylene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	207-08-9	lp
Biphenyl (Diphenyl)	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	101-55-3	
Butylbenzylphthalate	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	85-68-7	
Caprolactam	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	105-60-2	
Carbazole	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	59-50-7	
4-Chloroaniline	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	111-44-4	
2-Chloronaphthalene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	91-58-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP1 **Lab ID: 70298909001** Collected: 05/21/24 09:45 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
2-Chlorophenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	7005-72-3	
Chrysene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	53-70-3	
Dibenzofuran	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	120-83-2	
Diethylphthalate	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	105-67-9	L1
Dimethylphthalate	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	131-11-3	
Di-n-butylphthalate	ND	ug/kg	2800	1	06/04/24 10:15	06/04/24 21:24	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	606-20-2	
Di-n-octylphthalate	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	117-81-7	
Fluoranthene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	206-44-0	
Fluorene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	87-68-3	
Hexachlorobenzene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	77-47-4	L2
Hexachloroethane	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	193-39-5	
Isophorone	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	78-59-1	
2-Methylnaphthalene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	701	1	06/04/24 10:15	06/04/24 21:24		
Naphthalene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	91-20-3	
2-Nitroaniline	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	88-74-4	
3-Nitroaniline	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	99-09-2	
4-Nitroaniline	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	100-01-6	
Nitrobenzene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	98-95-3	
2-Nitrophenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	88-75-5	
4-Nitrophenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	621-64-7	
Pentachlorophenol	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	87-86-5	
Phenanthrene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	85-01-8	
Phenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	108-95-2	
Pyrene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	88-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP1 **Lab ID: 70298909001** Collected: 05/21/24 09:45 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Surrogates								
Nitrobenzene-d5 (S)	80	%.	32-154	1	06/04/24 10:15	06/04/24 21:24	4165-60-0	
2-Fluorobiphenyl (S)	80	%.	50-144	1	06/04/24 10:15	06/04/24 21:24	321-60-8	
Terphenyl-d14 (S)	91	%.	57-146	1	06/04/24 10:15	06/04/24 21:24	1718-51-0	
Phenol-d6 (S)	81	%.	54-121	1	06/04/24 10:15	06/04/24 21:24	13127-88-3	
2-Fluorophenol (S)	82	%.	57-124	1	06/04/24 10:15	06/04/24 21:24	367-12-4	
2,4,6-Tribromophenol (S)	85	%.	44-127	1	06/04/24 10:15	06/04/24 21:24	118-79-6	
Tentatively Identified Compounds								
Unknown Alkane	**169J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Heptane, 2,4-dimethyl- $	**373J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24	2213-23-2	N
Unknown Alkane	**393J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Heptane, 2,5-dimethyl-	**1450J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24	2216-30-0	N
Unknown Organic Acid	**327J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Unknown Hydrocarbon	**775J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Unknown Alkane	**2810J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Octane, 4-methyl-	**1130J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24	2216-34-4	N
Octane, 3-methyl- $$ 3-M	**1070J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24	2216-33-3	N
Unknown Cycloalkane	**359J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Unknown Aldehyde	**744J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Unknown Alkane	**409J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Unknown Alkane	**679J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Unknown Cycloalkane	**597J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Unknown Hydrocarbon	**2270J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Benzene-1,2,3,4-d4-, 5,6	**1750J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24	2199-69-1	N
Hexadecanoic acid	**174J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24	57-10-3	N
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
Acetone	**44.3**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	67-64-1	IC
Benzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	71-43-2	
Bromobenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	108-86-1	
Bromochloromethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	74-97-5	
Bromodichloromethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	75-27-4	
Bromoform	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	75-25-2	
Bromomethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	74-83-9	v3
2-Butanone (MEK)	**4.7**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	78-93-3	
n-Butylbenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	104-51-8	
sec-Butylbenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	135-98-8	
tert-Butylbenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	98-06-6	
Carbon tetrachloride	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	56-23-5	
Chlorobenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	108-90-7	
Chlorodifluoromethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	75-45-6	N3
Chloroethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	75-00-3	v3
Chloroform	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	67-66-3	
Chloromethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	74-87-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP1 **Lab ID: 70298909001** Collected: 05/21/24 09:45 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
2-Chlorotoluene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	95-49-8	
4-Chlorotoluene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	96-12-8	
Dibromochloromethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	124-48-1	
1,2-Dibromoethane (EDB)	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	106-93-4	
Dibromomethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	74-95-3	
1,2-Dichlorobenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	95-50-1	
1,3-Dichlorobenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	541-73-1	
1,4-Dichlorobenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	106-46-7	
Dichlorodifluoromethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	75-71-8	v3
1,1-Dichloroethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	75-34-3	
1,2-Dichloroethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	107-06-2	
1,1-Dichloroethene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	75-35-4	
cis-1,2-Dichloroethene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	156-59-2	
trans-1,2-Dichloroethene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	156-60-5	
1,2-Dichloropropane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	78-87-5	
1,3-Dichloropropane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	142-28-9	
2,2-Dichloropropane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	594-20-7	v1
1,1-Dichloropropene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	563-58-6	
cis-1,3-Dichloropropene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	10061-01-5	
trans-1,3-Dichloropropene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	10061-02-6	
Ethylbenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	100-41-4	
Hexachloro-1,3-butadiene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	87-68-3	v1
Isopropylbenzene (Cumene)	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	98-82-8	
p-Isopropyltoluene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	99-87-6	
Methylene Chloride	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	108-10-1	
Methyl-tert-butyl ether	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	1634-04-4	
Naphthalene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	91-20-3	v3
n-Propylbenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	103-65-1	
Styrene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	79-34-5	
Tetrachloroethene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	95-93-2	N3
Toluene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	108-88-3	
1,2,3-Trichlorobenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	87-61-6	
1,2,4-Trichlorobenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	120-82-1	
1,1,1-Trichloroethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	71-55-6	
1,1,2-Trichloroethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	79-00-5	
Trichloroethene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	79-01-6	
Trichlorofluoromethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	75-69-4	
1,2,3-Trichloropropane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	76-13-1	
1,2,4-Trimethylbenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	95-63-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP1 **Lab ID: 70298909001** Collected: 05/21/24 09:45 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
1,3,5-Trimethylbenzene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	108-67-8	
Vinyl chloride	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	75-01-4	
Xylene (Total)	**<3.8**	ug/kg	3.8	1	05/28/24 06:34	05/28/24 14:32	1330-20-7	
m&p-Xylene	**<3.8**	ug/kg	3.8	1	05/28/24 06:34	05/28/24 14:32	179601-23-1	
o-Xylene	**<1.9**	ug/kg	1.9	1	05/28/24 06:34	05/28/24 14:32	95-47-6	
Surrogates								
Toluene-d8 (S)	90	%	69-117	1	05/28/24 06:34	05/28/24 14:32	2037-26-5	
4-Bromofluorobenzene (S)	91	%	69-121	1	05/28/24 06:34	05/28/24 14:32	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	77-120	1	05/28/24 06:34	05/28/24 14:32	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville							
Percent Moisture	**9.1**	%	0.10	1		05/24/24 10:35		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP2 **Lab ID: 70298909002** Collected: 05/21/24 10:35 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Acenaphthene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	83-32-9	
Acenaphthylene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	208-96-8	
Acetophenone	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	98-86-2	
Anthracene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	120-12-7	
Atrazine	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	1912-24-9	
Benzaldehyde	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	100-52-7	
Benzo(a)anthracene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	56-55-3	
Benzo(a)pyrene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	207-08-9	
Biphenyl (Diphenyl)	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	101-55-3	
Butylbenzylphthalate	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	85-68-7	
Caprolactam	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	105-60-2	
Carbazole	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	59-50-7	
4-Chloroaniline	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	111-44-4	
2-Chloronaphthalene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	91-58-7	
2-Chlorophenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	7005-72-3	
Chrysene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	53-70-3	
Dibenzofuran	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	120-83-2	
Diethylphthalate	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	105-67-9	L1
Dimethylphthalate	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	131-11-3	
Di-n-butylphthalate	ND	ug/kg	2860	1	06/04/24 10:15	06/04/24 21:46	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	606-20-2	
Di-n-octylphthalate	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	117-81-7	
Fluoranthene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	206-44-0	
Fluorene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	87-68-3	
Hexachlorobenzene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	77-47-4	L2
Hexachloroethane	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	193-39-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP2 **Lab ID: 70298909002** Collected: 05/21/24 10:35 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Isophorone	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	78-59-1	
2-Methylnaphthalene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	715	1	06/04/24 10:15	06/04/24 21:46		
Naphthalene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	91-20-3	
2-Nitroaniline	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	88-74-4	
3-Nitroaniline	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	99-09-2	
4-Nitroaniline	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	100-01-6	
Nitrobenzene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	98-95-3	
2-Nitrophenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	88-75-5	
4-Nitrophenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	621-64-7	
Pentachlorophenol	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	87-86-5	
Phenanthrene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	85-01-8	
Phenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	108-95-2	
Pyrene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	85	%.	32-154	1	06/04/24 10:15	06/04/24 21:46	4165-60-0	
2-Fluorobiphenyl (S)	86	%.	50-144	1	06/04/24 10:15	06/04/24 21:46	321-60-8	
Terphenyl-d14 (S)	89	%.	57-146	1	06/04/24 10:15	06/04/24 21:46	1718-51-0	
Phenol-d6 (S)	90	%.	54-121	1	06/04/24 10:15	06/04/24 21:46	13127-88-3	
2-Fluorophenol (S)	93	%.	57-124	1	06/04/24 10:15	06/04/24 21:46	367-12-4	
2,4,6-Tribromophenol (S)	84	%.	44-127	1	06/04/24 10:15	06/04/24 21:46	118-79-6	
Tentatively Identified Compounds								
Unknown Alkane	**194J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Heptane, 2,4-dimethyl-	**406J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46	2213-23-2	N
Unknown Alkane	**410J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Heptane, 3,5-dimethyl-	**1630J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46	926-82-9	N
Unknown Ketone	**532J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Unknown Hydrocarbon	**877J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Unknown Alkane	**3130J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Octane, 4-methyl-	**1290J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46	2216-34-4	N
Octane, 3-methyl-	**1190J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46	2216-33-3	N
Unknown Alkane	**301J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Unknown Cycloalkane	**754J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Unknown Hydrocarbon	**333J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Unknown Alkane	**742J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Unknown Aromatic Hydroca	**1890J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Unknown Hydrocarbon	**294J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP2 **Lab ID: 70298909002** Collected: 05/21/24 10:35 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
Acetone	**7.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	67-64-1	IC
Benzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	71-43-2	
Bromobenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	108-86-1	
Bromochloromethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	74-97-5	
Bromodichloromethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	75-27-4	
Bromoform	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	75-25-2	
Bromomethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	74-83-9	v3
2-Butanone (MEK)	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	78-93-3	
n-Butylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	104-51-8	
sec-Butylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	135-98-8	
tert-Butylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	98-06-6	
Carbon tetrachloride	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	56-23-5	
Chlorobenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	108-90-7	
Chlorodifluoromethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	75-45-6	N3
Chloroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	75-00-3	v3
Chloroform	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	67-66-3	
Chloromethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	74-87-3	
2-Chlorotoluene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	95-49-8	
4-Chlorotoluene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	96-12-8	
Dibromochloromethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	124-48-1	
1,2-Dibromoethane (EDB)	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	106-93-4	
Dibromomethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	74-95-3	
1,2-Dichlorobenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	95-50-1	
1,3-Dichlorobenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	541-73-1	
1,4-Dichlorobenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	106-46-7	
Dichlorodifluoromethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	75-71-8	v3
1,1-Dichloroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	75-34-3	
1,2-Dichloroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	107-06-2	
1,1-Dichloroethene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	75-35-4	
cis-1,2-Dichloroethene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	156-59-2	
trans-1,2-Dichloroethene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	156-60-5	
1,2-Dichloropropane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	78-87-5	
1,3-Dichloropropane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	594-20-7	
1,1-Dichloropropene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	563-58-6	
cis-1,3-Dichloropropene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	10061-01-5	
trans-1,3-Dichloropropene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	10061-02-6	
Ethylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	100-41-4	
Hexachloro-1,3-butadiene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	87-68-3	
Isopropylbenzene (Cumene)	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	98-82-8	
p-Isopropyltoluene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	99-87-6	
Methylene Chloride	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	108-10-1	
Methyl-tert-butyl ether	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	1634-04-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP2 **Lab ID: 70298909002** Collected: 05/21/24 10:35 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
Naphthalene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	91-20-3	v3
n-Propylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	103-65-1	
Styrene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	79-34-5	
Tetrachloroethene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	127-18-4	
1,2,4,5-tetramethylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	95-93-2	N3
Toluene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	108-88-3	
1,2,3-Trichlorobenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	87-61-6	
1,2,4-Trichlorobenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	120-82-1	
1,1,1-Trichloroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	71-55-6	
1,1,2-Trichloroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	79-00-5	
Trichloroethene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	79-01-6	
Trichlorofluoromethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	75-69-4	
1,2,3-Trichloropropane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	76-13-1	
1,2,4-Trimethylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	95-63-6	
1,3,5-Trimethylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	108-67-8	
Vinyl chloride	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	75-01-4	
Xylene (Total)	**<4.6**	ug/kg	4.6	1	05/28/24 06:34	05/28/24 14:54	1330-20-7	
m&p-Xylene	**<4.6**	ug/kg	4.6	1	05/28/24 06:34	05/28/24 14:54	179601-23-1	
o-Xylene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 14:54	95-47-6	
Surrogates								
Toluene-d8 (S)	88	%	69-117	1	05/28/24 06:34	05/28/24 14:54	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-121	1	05/28/24 06:34	05/28/24 14:54	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	77-120	1	05/28/24 06:34	05/28/24 14:54	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville							
Percent Moisture	**8.6**	%	0.10	1		05/24/24 10:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP3 **Lab ID: 70298909003** Collected: 05/21/24 14:20 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Acenaphthene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	83-32-9	
Acenaphthylene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	208-96-8	
Acetophenone	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	98-86-2	
Anthracene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	120-12-7	
Atrazine	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	1912-24-9	
Benzaldehyde	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	100-52-7	
Benzo(a)anthracene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	56-55-3	
Benzo(a)pyrene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	207-08-9	
Biphenyl (Diphenyl)	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	101-55-3	
Butylbenzylphthalate	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	85-68-7	
Caprolactam	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	105-60-2	
Carbazole	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	59-50-7	
4-Chloroaniline	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	111-44-4	
2-Chloronaphthalene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	91-58-7	
2-Chlorophenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	7005-72-3	
Chrysene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	53-70-3	
Dibenzofuran	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	120-83-2	
Diethylphthalate	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	105-67-9	L1
Dimethylphthalate	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	131-11-3	
Di-n-butylphthalate	ND	ug/kg	2820	1	06/04/24 10:15	06/04/24 22:08	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	606-20-2	
Di-n-octylphthalate	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	117-81-7	
Fluoranthene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	206-44-0	
Fluorene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	87-68-3	
Hexachlorobenzene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	77-47-4	L2
Hexachloroethane	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	193-39-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP3 **Lab ID: 70298909003** Collected: 05/21/24 14:20 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Isophorone	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	78-59-1	
2-Methylnaphthalene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	706	1	06/04/24 10:15	06/04/24 22:08		
Naphthalene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	91-20-3	
2-Nitroaniline	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	88-74-4	
3-Nitroaniline	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	99-09-2	
4-Nitroaniline	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	100-01-6	
Nitrobenzene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	98-95-3	
2-Nitrophenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	88-75-5	
4-Nitrophenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	621-64-7	
Pentachlorophenol	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	87-86-5	
Phenanthrene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	85-01-8	
Phenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	108-95-2	
Pyrene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	84	%.	32-154	1	06/04/24 10:15	06/04/24 22:08	4165-60-0	
2-Fluorobiphenyl (S)	86	%.	50-144	1	06/04/24 10:15	06/04/24 22:08	321-60-8	
Terphenyl-d14 (S)	89	%.	57-146	1	06/04/24 10:15	06/04/24 22:08	1718-51-0	
Phenol-d6 (S)	87	%.	54-121	1	06/04/24 10:15	06/04/24 22:08	13127-88-3	
2-Fluorophenol (S)	89	%.	57-124	1	06/04/24 10:15	06/04/24 22:08	367-12-4	
2,4,6-Tribromophenol (S)	88	%.	44-127	1	06/04/24 10:15	06/04/24 22:08	118-79-6	
Tentatively Identified Compounds								
Unknown	**187J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Hexane, 2,3,5-trimethyl-	**194J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08	1069-53-0	N
Unknown Alkane	**393J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Alkane	**385J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Heptane, 2,5-dimethyl- $	**1430J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08	2216-30-0	N
Unknown Ketone	**229J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Alkane	**262J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Heptane, 2,3-dimethyl- $	**2670J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08	3074-71-3	N
Unknown Alkane	**1170J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Octane, 3-methyl- $$ 3-M	**1020J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08	2216-33-3	N
Unknown Alkane	**304J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Aldehyde	**732J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Alcohol	**444J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Ketone	**466J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Cycloalkane	**417J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Aromatic Hydroca	**2100J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Alkane	**175J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP3 **Lab ID: 70298909003** Collected: 05/21/24 14:20 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Tentatively Identified Compounds								
Hexadecanoic acid	**156J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08	57-10-3	N
Unknown Hydrocarbon	**511J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
Acetone	**81.4**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	67-64-1	IC
Benzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	71-43-2	
Bromobenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	108-86-1	
Bromochloromethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	74-97-5	
Bromodichloromethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	75-27-4	
Bromoform	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	75-25-2	
Bromomethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	74-83-9	v3
2-Butanone (MEK)	**10.9**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	78-93-3	
n-Butylbenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	104-51-8	
sec-Butylbenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	135-98-8	
tert-Butylbenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	98-06-6	
Carbon tetrachloride	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	56-23-5	
Chlorobenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	108-90-7	
Chlorodifluoromethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	75-45-6	N3
Chloroethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	75-00-3	v3
Chloroform	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	67-66-3	
Chloromethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	74-87-3	
2-Chlorotoluene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	95-49-8	
4-Chlorotoluene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	96-12-8	
Dibromochloromethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	124-48-1	
1,2-Dibromoethane (EDB)	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	106-93-4	
Dibromomethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	74-95-3	
1,2-Dichlorobenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	95-50-1	
1,3-Dichlorobenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	541-73-1	
1,4-Dichlorobenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	106-46-7	
Dichlorodifluoromethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	75-71-8	v3
1,1-Dichloroethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	75-34-3	
1,2-Dichloroethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	107-06-2	
1,1-Dichloroethene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	75-35-4	
cis-1,2-Dichloroethene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	156-59-2	
trans-1,2-Dichloroethene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	156-60-5	
1,2-Dichloropropane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	78-87-5	
1,3-Dichloropropane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	142-28-9	
2,2-Dichloropropane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	594-20-7	
1,1-Dichloropropene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	563-58-6	
cis-1,3-Dichloropropene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	10061-01-5	
trans-1,3-Dichloropropene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	10061-02-6	
Ethylbenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	100-41-4	

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP3 **Lab ID: 70298909003** Collected: 05/21/24 14:20 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
Hexachloro-1,3-butadiene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	87-68-3	
Isopropylbenzene (Cumene)	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	98-82-8	
p-Isopropyltoluene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	99-87-6	
Methylene Chloride	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	108-10-1	
Methyl-tert-butyl ether	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	1634-04-4	
Naphthalene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	91-20-3	v3
n-Propylbenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	103-65-1	
Styrene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	79-34-5	
Tetrachloroethene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	127-18-4	
1,2,4,5-tetramethylbenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	95-93-2	N3
Toluene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	108-88-3	
1,2,3-Trichlorobenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	87-61-6	
1,2,4-Trichlorobenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	120-82-1	
1,1,1-Trichloroethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	71-55-6	
1,1,2-Trichloroethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	79-00-5	
Trichloroethene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	79-01-6	
Trichlorofluoromethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	75-69-4	
1,2,3-Trichloropropane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	76-13-1	
1,2,4-Trimethylbenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	95-63-6	
1,3,5-Trimethylbenzene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	108-67-8	
Vinyl chloride	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	75-01-4	
Xylene (Total)	**<3.9**	ug/kg	3.9	1	05/28/24 06:34	05/28/24 15:15	1330-20-7	
m&p-Xylene	**<3.9**	ug/kg	3.9	1	05/28/24 06:34	05/28/24 15:15	179601-23-1	
o-Xylene	**<2.0**	ug/kg	2.0	1	05/28/24 06:34	05/28/24 15:15	95-47-6	
Surrogates								
Toluene-d8 (S)	87	%	69-117	1	05/28/24 06:34	05/28/24 15:15	2037-26-5	
4-Bromofluorobenzene (S)	92	%	69-121	1	05/28/24 06:34	05/28/24 15:15	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	77-120	1	05/28/24 06:34	05/28/24 15:15	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville							
Percent Moisture	**7.2**	%	0.10	1		05/24/24 10:37		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP4 **Lab ID: 70298909004** Collected: 05/21/24 11:35 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8081B GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Aldrin	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	309-00-2	
alpha-BHC	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	319-84-6	
beta-BHC	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	319-85-7	
gamma-BHC (Lindane)	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	58-89-9	
alpha-Chlordane	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	5103-71-9	
gamma-Chlordane	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	5103-74-2	
4,4'-DDD	ND	ug/kg	3.6	1	06/03/24 09:04	06/04/24 10:04	72-54-8	
4,4'-DDE	ND	ug/kg	3.6	1	06/03/24 09:04	06/04/24 10:04	72-55-9	
4,4'-DDT	ND	ug/kg	3.6	1	06/03/24 09:04	06/04/24 10:04	50-29-3	
Dieldrin	ND	ug/kg	3.6	1	06/03/24 09:04	06/04/24 10:04	60-57-1	
Endosulfan I	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	959-98-8	
Endosulfan II	ND	ug/kg	3.6	1	06/03/24 09:04	06/04/24 10:04	33213-65-9	
Endosulfan sulfate	ND	ug/kg	3.6	1	06/03/24 09:04	06/04/24 10:04	1031-07-8	
Endrin	ND	ug/kg	3.6	1	06/03/24 09:04	06/04/24 10:04	72-20-8	
Heptachlor	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	76-44-8	
Heptachlor epoxide	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	1024-57-3	
Methoxychlor	ND	ug/kg	17.9	1	06/03/24 09:04	06/04/24 10:04	72-43-5	
Toxaphene	ND	ug/kg	17.9	1	06/03/24 09:04	06/04/24 10:04	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	84	%.	44-102	1	06/03/24 09:04	06/04/24 10:04	877-09-8	
Decachlorobiphenyl (S)	94	%.	41-108	1	06/03/24 09:04	06/04/24 10:04	2051-24-3	
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
PCB-1016 (Aroclor 1016)	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	0.36	1	06/03/24 09:04	06/04/24 22:20	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	0.36	1	06/03/24 09:04	06/04/24 22:20	11096-82-5	
PCB-1262 (Aroclor 1262)	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	37324-23-5	
PCB-1268 (Aroclor 1268)	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	11100-14-4	
PCB, Total	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	89	%.	59-94	1	06/03/24 09:04	06/04/24 22:20	877-09-8	
Decachlorobiphenyl (S)	93	%.	73-118	1	06/03/24 09:04	06/04/24 22:20	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Melville							
Aluminum	**14700**	mg/kg	108	10	05/29/24 09:50	05/30/24 11:29	7429-90-5	
Antimony	**<3.2**	mg/kg	3.2	1	05/29/24 09:50	05/30/24 11:03	7440-36-0	
Arsenic	**9.3**	mg/kg	0.54	1	05/29/24 09:50	05/30/24 11:03	7440-38-2	
Barium	**94.8**	mg/kg	10.8	1	05/29/24 09:50	05/30/24 11:03	7440-39-3	
Beryllium	**0.67**	mg/kg	0.27	1	05/29/24 09:50	05/30/24 11:03	7440-41-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP4 **Lab ID: 70298909004** Collected: 05/21/24 11:35 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Melville							
Cadmium	**<0.14**	mg/kg	0.14	1	05/29/24 09:50	05/30/24 11:03	7440-43-9	
Calcium	**9800**	mg/kg	54.2	1	05/29/24 09:50	05/30/24 11:03	7440-70-2	
Chromium	**19.4**	mg/kg	0.54	1	05/29/24 09:50	05/30/24 11:03	7440-47-3	
Cobalt	**14.2**	mg/kg	2.7	1	05/29/24 09:50	05/30/24 11:03	7440-48-4	
Copper	**41.2**	mg/kg	1.4	1	05/29/24 09:50	05/30/24 11:03	7440-50-8	
Iron	**33500**	mg/kg	54.2	10	05/29/24 09:50	05/30/24 11:29	7439-89-6	
Lead	**27.2**	mg/kg	0.27	1	05/29/24 09:50	05/30/24 11:03	7439-92-1	
Magnesium	**6660**	mg/kg	54.2	1	05/29/24 09:50	05/30/24 11:03	7439-95-4	
Manganese	**856**	mg/kg	8.1	10	05/29/24 09:50	05/30/24 11:29	7439-96-5	
Nickel	**29.2**	mg/kg	2.2	1	05/29/24 09:50	05/30/24 11:03	7440-02-0	
Potassium	**1410**	mg/kg	271	1	05/29/24 09:50	05/30/24 11:03	7440-09-7	
Selenium	**<0.54**	mg/kg	0.54	1	05/29/24 09:50	05/30/24 11:03	7782-49-2	
Silver	**<0.54**	mg/kg	0.54	1	05/29/24 09:50	05/30/24 11:03	7440-22-4	
Sodium	**<271**	mg/kg	271	1	05/29/24 09:50	05/30/24 11:03	7440-23-5	
Thallium	**<0.54**	mg/kg	0.54	1	05/29/24 09:50	05/30/24 11:03	7440-28-0	
Vanadium	**22.4**	mg/kg	2.7	1	05/29/24 09:50	05/30/24 11:03	7440-62-2	
Zinc	**94.8**	mg/kg	1.1	1	05/29/24 09:50	05/30/24 11:03	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Melville							
Mercury	**0.23**	mg/kg	0.043	1	05/29/24 08:00	05/29/24 15:43	7439-97-6	
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Acenaphthene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	83-32-9	
Acenaphthylene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	208-96-8	
Acetophenone	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	98-86-2	
Anthracene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	120-12-7	
Atrazine	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	1912-24-9	
Benzaldehyde	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	100-52-7	
Benzo(a)anthracene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	56-55-3	
Benzo(a)pyrene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	207-08-9	
Biphenyl (Diphenyl)	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	101-55-3	
Butylbenzylphthalate	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	85-68-7	
Caprolactam	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	105-60-2	
Carbazole	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	59-50-7	
4-Chloroaniline	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	111-44-4	
2-Chloronaphthalene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	91-58-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP4 **Lab ID: 70298909004** Collected: 05/21/24 11:35 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
2-Chlorophenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	7005-72-3	
Chrysene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	53-70-3	
Dibenzofuran	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	120-83-2	
Diethylphthalate	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	105-67-9	L1
Dimethylphthalate	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	131-11-3	
Di-n-butylphthalate	ND	ug/kg	2850	1	06/04/24 10:15	06/04/24 22:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	606-20-2	
Di-n-octylphthalate	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	117-81-7	
Fluoranthene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	206-44-0	
Fluorene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	87-68-3	
Hexachlorobenzene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	77-47-4	L2
Hexachloroethane	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	193-39-5	
Isophorone	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	78-59-1	
2-Methylnaphthalene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	713	1	06/04/24 10:15	06/04/24 22:29		
Naphthalene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	91-20-3	
2-Nitroaniline	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	88-74-4	
3-Nitroaniline	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	99-09-2	
4-Nitroaniline	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	100-01-6	
Nitrobenzene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	98-95-3	
2-Nitrophenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	88-75-5	
4-Nitrophenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	621-64-7	
Pentachlorophenol	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	87-86-5	
Phenanthrene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	85-01-8	
Phenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	108-95-2	
Pyrene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	88-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP4 **Lab ID: 70298909004** Collected: 05/21/24 11:35 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Surrogates								
Nitrobenzene-d5 (S)	84	%.	32-154	1	06/04/24 10:15	06/04/24 22:29	4165-60-0	
2-Fluorobiphenyl (S)	84	%.	50-144	1	06/04/24 10:15	06/04/24 22:29	321-60-8	
Terphenyl-d14 (S)	86	%.	57-146	1	06/04/24 10:15	06/04/24 22:29	1718-51-0	
Phenol-d6 (S)	87	%.	54-121	1	06/04/24 10:15	06/04/24 22:29	13127-88-3	
2-Fluorophenol (S)	88	%.	57-124	1	06/04/24 10:15	06/04/24 22:29	367-12-4	
2,4,6-Tribromophenol (S)	84	%.	44-127	1	06/04/24 10:15	06/04/24 22:29	118-79-6	
Tentatively Identified Compounds								
Unknown Ketone	**204J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Alkane	**197J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Alkane	**404J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Alkane	**492J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Heptane, 2,5-dimethyl- $	**1690J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29	2216-30-0	N
Unknown Ketone	**394J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Alkane	**845J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Alkane	**3410J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Octane, 4-methyl-	**1280J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29	2216-34-4	N
Octane, 3-methyl-	**1240J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29	2216-33-3	N
Unknown Alkane	**297J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Aldehyde	**742J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Alkane	**608J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Alkane	**732J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Cycloalkane	**380J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Hydrocarbon	**2710J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Ketone	**390J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Hexadecanoic acid	**225J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29	57-10-3	N
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
Acetone	**86.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	67-64-1	IC
Benzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	71-43-2	
Bromobenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	108-86-1	
Bromochloromethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	74-97-5	
Bromodichloromethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	75-27-4	
Bromoform	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	75-25-2	
Bromomethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	74-83-9	v3
2-Butanone (MEK)	**9.7**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	78-93-3	
n-Butylbenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	104-51-8	
sec-Butylbenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	135-98-8	
tert-Butylbenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	98-06-6	
Carbon tetrachloride	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	56-23-5	
Chlorobenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	108-90-7	
Chlorodifluoromethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	75-45-6	N3
Chloroethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	75-00-3	v3
Chloroform	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	67-66-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP4 **Lab ID: 70298909004** Collected: 05/21/24 11:35 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
Chloromethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	74-87-3	
2-Chlorotoluene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	95-49-8	
4-Chlorotoluene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	96-12-8	
Dibromochloromethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	124-48-1	
1,2-Dibromoethane (EDB)	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	106-93-4	
Dibromomethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	74-95-3	
1,2-Dichlorobenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	95-50-1	
1,3-Dichlorobenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	541-73-1	
1,4-Dichlorobenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	106-46-7	
Dichlorodifluoromethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	75-71-8	v3
1,1-Dichloroethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	75-34-3	
1,2-Dichloroethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	107-06-2	
1,1-Dichloroethene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	75-35-4	
cis-1,2-Dichloroethene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	156-59-2	
trans-1,2-Dichloroethene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	156-60-5	
1,2-Dichloropropane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	78-87-5	
1,3-Dichloropropane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	142-28-9	
2,2-Dichloropropane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	594-20-7	
1,1-Dichloropropene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	563-58-6	
cis-1,3-Dichloropropene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	10061-01-5	
trans-1,3-Dichloropropene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	10061-02-6	
Ethylbenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	87-68-3	
Isopropylbenzene (Cumene)	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	98-82-8	
p-Isopropyltoluene	**3.7**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	99-87-6	
Methylene Chloride	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	108-10-1	
Methyl-tert-butyl ether	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	1634-04-4	
Naphthalene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	91-20-3	v3
n-Propylbenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	103-65-1	
Styrene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	79-34-5	
Tetrachloroethene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	127-18-4	
1,2,4,5-tetramethylbenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	95-93-2	N3
Toluene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	87-61-6	
1,2,4-Trichlorobenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	120-82-1	
1,1,1-Trichloroethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	71-55-6	
1,1,2-Trichloroethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	79-00-5	
Trichloroethene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	75-69-4	
1,2,3-Trichloropropane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	76-13-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP4 **Lab ID: 70298909004** Collected: 05/21/24 11:35 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
1,2,4-Trimethylbenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	95-63-6	
1,3,5-Trimethylbenzene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	108-67-8	
Vinyl chloride	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	75-01-4	
Xylene (Total)	**<4.1**	ug/kg	4.1	1	05/28/24 06:34	05/28/24 15:36	1330-20-7	
m&p-Xylene	**<4.1**	ug/kg	4.1	1	05/28/24 06:34	05/28/24 15:36	179601-23-1	
o-Xylene	**<2.1**	ug/kg	2.1	1	05/28/24 06:34	05/28/24 15:36	95-47-6	
Surrogates								
Toluene-d8 (S)	92	%	69-117	1	05/28/24 06:34	05/28/24 15:36	2037-26-5	
4-Bromofluorobenzene (S)	86	%	69-121	1	05/28/24 06:34	05/28/24 15:36	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	77-120	1	05/28/24 06:34	05/28/24 15:36	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville							
Percent Moisture	**9.1**	%	0.10	1		05/24/24 10:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP5 **Lab ID: 70298909005** Collected: 05/21/24 12:30 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546							
	Pace Analytical Services - Greensburg							
PCB-1016 (Aroclor 1016)	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	12674-11-2	ED
PCB-1221 (Aroclor 1221)	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	11104-28-2	ED
PCB-1232 (Aroclor 1232)	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	11141-16-5	ED
PCB-1242 (Aroclor 1242)	ND	ug/kg	365	10	06/10/24 09:07	06/11/24 18:24	53469-21-9	ED
PCB-1248 (Aroclor 1248)	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	12672-29-6	ED
PCB-1254 (Aroclor 1254)	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	11097-69-1	ED
PCB-1260 (Aroclor 1260)	ND	ug/kg	365	10	06/10/24 09:07	06/11/24 18:24	11096-82-5	ED
PCB-1262 (Aroclor 1262)	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	37324-23-5	ED
PCB-1268 (Aroclor 1268)	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	11100-14-4	ED
PCB, Total	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	93	%.	59-94	10	06/10/24 09:07	06/11/24 18:24	877-09-8	
Decachlorobiphenyl (S)	327	%.	73-118	10	06/10/24 09:07	06/11/24 18:24	2051-24-3	S4
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B							
	Pace Analytical Services - Melville							
Aluminum	**15600**	mg/kg	101	10	05/29/24 09:50	05/30/24 11:40	7429-90-5	
Antimony	**<3.0**	mg/kg	3.0	1	05/29/24 09:50	05/30/24 11:05	7440-36-0	
Arsenic	**5.5**	mg/kg	0.51	1	05/29/24 09:50	05/30/24 11:05	7440-38-2	
Barium	**92.6**	mg/kg	10.1	1	05/29/24 09:50	05/30/24 11:05	7440-39-3	
Beryllium	**0.68**	mg/kg	0.25	1	05/29/24 09:50	05/30/24 11:05	7440-41-7	
Cadmium	**<0.13**	mg/kg	0.13	1	05/29/24 09:50	05/30/24 11:05	7440-43-9	
Calcium	**6420**	mg/kg	50.6	1	05/29/24 09:50	05/30/24 11:05	7440-70-2	
Chromium	**16.7**	mg/kg	0.51	1	05/29/24 09:50	05/30/24 11:05	7440-47-3	
Cobalt	**9.9**	mg/kg	2.5	1	05/29/24 09:50	05/30/24 11:05	7440-48-4	
Copper	**26.4**	mg/kg	1.3	1	05/29/24 09:50	05/30/24 11:05	7440-50-8	
Iron	**27700**	mg/kg	50.6	10	05/29/24 09:50	05/30/24 11:40	7439-89-6	
Lead	**27.6**	mg/kg	0.25	1	05/29/24 09:50	05/30/24 11:05	7439-92-1	
Magnesium	**5820**	mg/kg	50.6	1	05/29/24 09:50	05/30/24 11:05	7439-95-4	
Manganese	**739**	mg/kg	7.6	10	05/29/24 09:50	05/30/24 11:40	7439-96-5	
Nickel	**24.9**	mg/kg	2.0	1	05/29/24 09:50	05/30/24 11:05	7440-02-0	
Potassium	**1290**	mg/kg	253	1	05/29/24 09:50	05/30/24 11:05	7440-09-7	
Selenium	**<0.51**	mg/kg	0.51	1	05/29/24 09:50	05/30/24 11:05	7782-49-2	
Silver	**<0.51**	mg/kg	0.51	1	05/29/24 09:50	05/30/24 11:05	7440-22-4	
Sodium	**297**	mg/kg	253	1	05/29/24 09:50	05/30/24 11:05	7440-23-5	
Thallium	**<0.51**	mg/kg	0.51	1	05/29/24 09:50	05/30/24 11:05	7440-28-0	
Vanadium	**21.5**	mg/kg	2.5	1	05/29/24 09:50	05/30/24 11:05	7440-62-2	
Zinc	**73.9**	mg/kg	1.0	1	05/29/24 09:50	05/30/24 11:05	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
	Pace Analytical Services - Melville							
Mercury	**<0.042**	mg/kg	0.042	1	05/29/24 08:00	05/29/24 15:45	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP5 **Lab ID: 70298909005** Collected: 05/21/24 12:30 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Acenaphthene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	83-32-9	ED
Acenaphthylene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	208-96-8	ED
Acetophenone	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	98-86-2	ED
Anthracene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	120-12-7	ED
Atrazine	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	1912-24-9	ED
Benzaldehyde	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	100-52-7	ED
Benzo(a)anthracene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	56-55-3	ED
Benzo(a)pyrene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	50-32-8	ED
Benzo(b)fluoranthene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	205-99-2	ED,Ip
Benzo(g,h,i)perylene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	191-24-2	ED
Benzo(k)fluoranthene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	207-08-9	ED,Ip
Biphenyl (Diphenyl)	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	92-52-4	ED
4-Bromophenylphenyl ether	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	101-55-3	ED
Butylbenzylphthalate	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	85-68-7	ED
Caprolactam	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	105-60-2	ED
Carbazole	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	86-74-8	ED
4-Chloro-3-methylphenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	59-50-7	ED
4-Chloroaniline	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	106-47-8	ED
bis(2-Chloroethoxy)methane	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	111-91-1	ED
bis(2-Chloroethyl) ether	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	111-44-4	ED
2-Chloronaphthalene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	91-58-7	ED
2-Chlorophenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	95-57-8	ED
4-Chlorophenylphenyl ether	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	7005-72-3	ED
Chrysene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	218-01-9	ED
Dibenz(a,h)anthracene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	53-70-3	ED
Dibenzofuran	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	132-64-9	ED
3,3'-Dichlorobenzidine	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	91-94-1	ED
2,4-Dichlorophenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	120-83-2	ED
Diethylphthalate	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	84-66-2	ED
2,4-Dimethylphenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	105-67-9	ED,L1
Dimethylphthalate	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	131-11-3	ED
Di-n-butylphthalate	ND	ug/kg	29200	10	06/04/24 10:15	06/07/24 15:46	84-74-2	ED
4,6-Dinitro-2-methylphenol	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	534-52-1	ED
2,4-Dinitrophenol	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	51-28-5	ED
2,4-Dinitrotoluene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	121-14-2	ED
2,6-Dinitrotoluene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	606-20-2	ED
Di-n-octylphthalate	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	117-84-0	ED
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	117-81-7	ED
Fluoranthene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	206-44-0	ED
Fluorene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	86-73-7	ED
Hexachloro-1,3-butadiene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	87-68-3	ED
Hexachlorobenzene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	118-74-1	ED
Hexachlorocyclopentadiene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	77-47-4	ED,L2
Hexachloroethane	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	67-72-1	ED
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	193-39-5	ED

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP5 **Lab ID: 70298909005** Collected: 05/21/24 12:30 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Isophorone	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	78-59-1	ED
2-Methylnaphthalene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	91-57-6	ED
2-Methylphenol(o-Cresol)	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	95-48-7	ED
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7300	10	06/04/24 10:15	06/07/24 15:46		ED
Naphthalene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	91-20-3	ED
2-Nitroaniline	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	88-74-4	ED
3-Nitroaniline	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	99-09-2	ED
4-Nitroaniline	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	100-01-6	ED
Nitrobenzene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	98-95-3	ED
2-Nitrophenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	88-75-5	ED
4-Nitrophenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	100-02-7	ED
N-Nitroso-di-n-propylamine	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	621-64-7	ED
Pentachlorophenol	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	87-86-5	ED
Phenanthrene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	85-01-8	ED
Phenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	108-95-2	ED
Pyrene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	129-00-0	ED
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	95-94-3	ED
2,3,4,6-Tetrachlorophenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	58-90-2	ED
2,4,5-Trichlorophenol	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	95-95-4	ED
2,4,6-Trichlorophenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	88-06-2	ED
Surrogates								
Nitrobenzene-d5 (S)	83	%.	32-154	10	06/04/24 10:15	06/07/24 15:46	4165-60-0	
2-Fluorobiphenyl (S)	101	%.	50-144	10	06/04/24 10:15	06/07/24 15:46	321-60-8	
Terphenyl-d14 (S)	101	%.	57-146	10	06/04/24 10:15	06/07/24 15:46	1718-51-0	
Phenol-d6 (S)	93	%.	54-121	10	06/04/24 10:15	06/07/24 15:46	13127-88-3	
2-Fluorophenol (S)	89	%.	57-124	10	06/04/24 10:15	06/07/24 15:46	367-12-4	
2,4,6-Tribromophenol (S)	71	%.	44-127	10	06/04/24 10:15	06/07/24 15:46	118-79-6	
Tentatively Identified Compounds								
Unknown Alkane	**1500J**	ug/kg		10	06/04/24 10:15	06/07/24 15:46		
Unknown Alkane	**2520J**	ug/kg		10	06/04/24 10:15	06/07/24 15:46		
Unknown Ketone	**3590J**	ug/kg		10	06/04/24 10:15	06/07/24 15:46		
Unknown	**5390J**	ug/kg		10	06/04/24 10:15	06/07/24 15:46		
Cyclohexanone, 3,3,5-tri	**2600J**	ug/kg		10	06/04/24 10:15	06/07/24 15:46	873-94-9	N
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
Acetone	**29.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	67-64-1	IC
Benzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	71-43-2	
Bromobenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	108-86-1	
Bromochloromethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	74-97-5	
Bromodichloromethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	75-27-4	
Bromoform	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	75-25-2	
Bromomethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	74-83-9	v3
2-Butanone (MEK)	**4.1**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	78-93-3	
n-Butylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	104-51-8	

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP5 **Lab ID: 70298909005** Collected: 05/21/24 12:30 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
sec-Butylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	135-98-8	
tert-Butylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	98-06-6	
Carbon tetrachloride	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	56-23-5	
Chlorobenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	108-90-7	
Chlorodifluoromethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	75-45-6	N3
Chloroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	75-00-3	v3
Chloroform	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	67-66-3	
Chloromethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	74-87-3	
2-Chlorotoluene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	95-49-8	
4-Chlorotoluene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	96-12-8	
Dibromochloromethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	124-48-1	
1,2-Dibromoethane (EDB)	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	106-93-4	
Dibromomethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	74-95-3	
1,2-Dichlorobenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	95-50-1	
1,3-Dichlorobenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	541-73-1	
1,4-Dichlorobenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	75-71-8	v3
1,1-Dichloroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	75-34-3	
1,2-Dichloroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	107-06-2	
1,1-Dichloroethene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	75-35-4	
cis-1,2-Dichloroethene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	156-59-2	
trans-1,2-Dichloroethene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	156-60-5	
1,2-Dichloropropane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	78-87-5	
1,3-Dichloropropane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	142-28-9	
2,2-Dichloropropane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	594-20-7	
1,1-Dichloropropene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	563-58-6	
cis-1,3-Dichloropropene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	10061-01-5	
trans-1,3-Dichloropropene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	10061-02-6	
Ethylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	100-41-4	
Hexachloro-1,3-butadiene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	87-68-3	
Isopropylbenzene (Cumene)	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	98-82-8	
p-Isopropyltoluene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	99-87-6	
Methylene Chloride	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	108-10-1	
Methyl-tert-butyl ether	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	1634-04-4	
Naphthalene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	91-20-3	v3
n-Propylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	103-65-1	
Styrene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	79-34-5	
Tetrachloroethene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	127-18-4	
1,2,4,5-tetramethylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	95-93-2	N3
Toluene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	87-61-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP5 **Lab ID: 70298909005** Collected: 05/21/24 12:30 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
1,2,4-Trichlorobenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	120-82-1	
1,1,1-Trichloroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	71-55-6	
1,1,2-Trichloroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	79-00-5	
Trichloroethene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	79-01-6	
Trichlorofluoromethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	75-69-4	
1,2,3-Trichloropropane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	76-13-1	
1,2,4-Trimethylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	95-63-6	
1,3,5-Trimethylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	108-67-8	
Vinyl chloride	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	75-01-4	
Xylene (Total)	**<4.3**	ug/kg	4.3	1	05/28/24 06:34	05/28/24 15:57	1330-20-7	
m&p-Xylene	**<4.3**	ug/kg	4.3	1	05/28/24 06:34	05/28/24 15:57	179601-23-1	
o-Xylene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 15:57	95-47-6	
Surrogates								
Toluene-d8 (S)	102	%	69-117	1	05/28/24 06:34	05/28/24 15:57	2037-26-5	
4-Bromofluorobenzene (S)	77	%	69-121	1	05/28/24 06:34	05/28/24 15:57	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	77-120	1	05/28/24 06:34	05/28/24 15:57	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville							
Percent Moisture	**9.7**	%	0.10	1		05/24/24 10:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP6 **Lab ID: 70298909006** Collected: 05/21/24 13:20 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8081B GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Aldrin	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	309-00-2	ED
alpha-BHC	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	319-84-6	ED
beta-BHC	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	319-85-7	ED
gamma-BHC (Lindane)	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	58-89-9	ED
alpha-Chlordane	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	5103-71-9	ED
gamma-Chlordane	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	5103-74-2	ED
4,4'-DDD	ND	ug/kg	39.8	10	06/03/24 09:04	06/04/24 10:27	72-54-8	ED
4,4'-DDE	ND	ug/kg	39.8	10	06/03/24 09:04	06/04/24 10:27	72-55-9	ED
4,4'-DDT	ND	ug/kg	39.8	10	06/03/24 09:04	06/04/24 10:27	50-29-3	CH,ED
Dieldrin	ND	ug/kg	39.8	10	06/03/24 09:04	06/04/24 10:27	60-57-1	ED
Endosulfan I	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	959-98-8	ED
Endosulfan II	ND	ug/kg	39.8	10	06/03/24 09:04	06/04/24 10:27	33213-65-9	ED
Endosulfan sulfate	ND	ug/kg	39.8	10	06/03/24 09:04	06/04/24 10:27	1031-07-8	ED
Endrin	ND	ug/kg	39.8	10	06/03/24 09:04	06/04/24 10:27	72-20-8	ED
Heptachlor	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	76-44-8	ED
Heptachlor epoxide	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	1024-57-3	ED
Methoxychlor	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 10:27	72-43-5	CH,ED
Toxaphene	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 10:27	8001-35-2	ED
Surrogates								
Tetrachloro-m-xylene (S)	98	%.	44-102	10	06/03/24 09:04	06/04/24 10:27	877-09-8	
Decachlorobiphenyl (S)	122	%.	41-108	10	06/03/24 09:04	06/04/24 10:27	2051-24-3	S4
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
PCB-1016 (Aroclor 1016)	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	12674-11-2	ED
PCB-1221 (Aroclor 1221)	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	11104-28-2	ED
PCB-1232 (Aroclor 1232)	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	11141-16-5	ED
PCB-1242 (Aroclor 1242)	ND	ug/kg	398	10	06/03/24 09:04	06/04/24 21:03	53469-21-9	ED
PCB-1248 (Aroclor 1248)	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	12672-29-6	ED
PCB-1254 (Aroclor 1254)	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	11097-69-1	ED
PCB-1260 (Aroclor 1260)	ND	ug/kg	398	10	06/03/24 09:04	06/04/24 21:03	11096-82-5	ED
PCB-1262 (Aroclor 1262)	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	37324-23-5	ED
PCB-1268 (Aroclor 1268)	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	11100-14-4	ED
PCB, Total	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	96	%.	59-94	10	06/03/24 09:04	06/04/24 21:03	877-09-8	S4
Decachlorobiphenyl (S)	103	%.	73-118	10	06/03/24 09:04	06/04/24 21:03	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Melville							
Aluminum	**13200**	mg/kg	97.1	10	05/29/24 09:50	05/30/24 11:43	7429-90-5	
Antimony	**<2.9**	mg/kg	2.9	1	05/29/24 09:50	05/30/24 11:08	7440-36-0	
Arsenic	**11.0**	mg/kg	0.49	1	05/29/24 09:50	05/30/24 11:08	7440-38-2	
Barium	**152**	mg/kg	9.7	1	05/29/24 09:50	05/30/24 11:08	7440-39-3	
Beryllium	**0.91**	mg/kg	0.24	1	05/29/24 09:50	05/30/24 11:08	7440-41-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP6 **Lab ID: 70298909006** Collected: 05/21/24 13:20 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Melville							
Cadmium	**0.27**	mg/kg	0.12	1	05/29/24 09:50	05/30/24 11:08	7440-43-9	
Calcium	**20000**	mg/kg	486	10	05/29/24 09:50	05/30/24 11:43	7440-70-2	
Chromium	**16.9**	mg/kg	0.49	1	05/29/24 09:50	05/30/24 11:08	7440-47-3	
Cobalt	**10.1**	mg/kg	2.4	1	05/29/24 09:50	05/30/24 11:08	7440-48-4	
Copper	**76.2**	mg/kg	1.2	1	05/29/24 09:50	05/30/24 11:08	7440-50-8	
Iron	**33800**	mg/kg	48.6	10	05/29/24 09:50	05/30/24 11:43	7439-89-6	
Lead	**170**	mg/kg	0.24	1	05/29/24 09:50	05/30/24 11:08	7439-92-1	
Magnesium	**5730**	mg/kg	48.6	1	05/29/24 09:50	05/30/24 11:08	7439-95-4	
Manganese	**767**	mg/kg	7.3	10	05/29/24 09:50	05/30/24 11:43	7439-96-5	
Nickel	**25.0**	mg/kg	1.9	1	05/29/24 09:50	05/30/24 11:08	7440-02-0	
Potassium	**1390**	mg/kg	243	1	05/29/24 09:50	05/30/24 11:08	7440-09-7	
Selenium	**0.54**	mg/kg	0.49	1	05/29/24 09:50	05/30/24 11:08	7782-49-2	
Silver	**<0.49**	mg/kg	0.49	1	05/29/24 09:50	05/30/24 11:08	7440-22-4	
Sodium	**340**	mg/kg	243	1	05/29/24 09:50	05/30/24 11:08	7440-23-5	
Thallium	**<0.49**	mg/kg	0.49	1	05/29/24 09:50	05/30/24 11:08	7440-28-0	
Vanadium	**22.3**	mg/kg	2.4	1	05/29/24 09:50	05/30/24 11:08	7440-62-2	
Zinc	**179**	mg/kg	0.97	1	05/29/24 09:50	05/30/24 11:08	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B Pace Analytical Services - Melville							
Mercury	**0.74**	mg/kg	0.046	1	05/29/24 08:00	05/29/24 15:46	7439-97-6	
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Acenaphthene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	83-32-9	ED
Acenaphthylene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	208-96-8	ED
Acetophenone	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	98-86-2	ED
Anthracene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	120-12-7	ED
Atrazine	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	1912-24-9	ED
Benzaldehyde	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	100-52-7	ED
Benzo(a)anthracene	**6780**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	56-55-3	ED
Benzo(a)pyrene	**5860**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	50-32-8	ED
Benzo(b)fluoranthene	**9690**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	205-99-2	ED,lp
Benzo(g,h,i)perylene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	191-24-2	ED
Benzo(k)fluoranthene	**9110**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	207-08-9	ED,lp
Biphenyl (Diphenyl)	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	92-52-4	ED
4-Bromophenylphenyl ether	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	101-55-3	ED
Butylbenzylphthalate	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	85-68-7	ED
Caprolactam	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	105-60-2	ED
Carbazole	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	86-74-8	ED
4-Chloro-3-methylphenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	59-50-7	ED
4-Chloroaniline	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	106-47-8	ED
bis(2-Chloroethoxy)methane	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	111-91-1	ED
bis(2-Chloroethyl) ether	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	111-44-4	ED
2-Chloronaphthalene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	91-58-7	ED

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP6 **Lab ID: 70298909006** Collected: 05/21/24 13:20 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
2-Chlorophenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	95-57-8	ED
4-Chlorophenylphenyl ether	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	7005-72-3	ED
Chrysene	**7660**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	218-01-9	ED
Dibenz(a,h)anthracene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	53-70-3	ED
Dibenzofuran	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	132-64-9	ED
3,3'-Dichlorobenzidine	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	91-94-1	ED
2,4-Dichlorophenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	120-83-2	ED
Diethylphthalate	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	84-66-2	ED
2,4-Dimethylphenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	105-67-9	ED,L1
Dimethylphthalate	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	131-11-3	ED
Di-n-butylphthalate	ND	ug/kg	31300	10	06/04/24 10:15	06/07/24 16:08	84-74-2	ED
4,6-Dinitro-2-methylphenol	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	534-52-1	ED
2,4-Dinitrophenol	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	51-28-5	ED
2,4-Dinitrotoluene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	121-14-2	ED
2,6-Dinitrotoluene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	606-20-2	ED
Di-n-octylphthalate	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	117-84-0	ED
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	117-81-7	ED
Fluoranthene	**15700**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	206-44-0	ED
Fluorene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	86-73-7	ED
Hexachloro-1,3-butadiene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	87-68-3	ED
Hexachlorobenzene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	118-74-1	ED
Hexachlorocyclopentadiene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	77-47-4	ED,L2
Hexachloroethane	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	67-72-1	ED
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	193-39-5	ED
Isophorone	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	78-59-1	ED
2-Methylnaphthalene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	91-57-6	ED
2-Methylphenol(o-Cresol)	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	95-48-7	ED
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7830	10	06/04/24 10:15	06/07/24 16:08		ED
Naphthalene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	91-20-3	ED
2-Nitroaniline	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	88-74-4	ED
3-Nitroaniline	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	99-09-2	ED
4-Nitroaniline	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	100-01-6	ED
Nitrobenzene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	98-95-3	ED
2-Nitrophenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	88-75-5	ED
4-Nitrophenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	100-02-7	ED
N-Nitroso-di-n-propylamine	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	621-64-7	ED
Pentachlorophenol	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	87-86-5	ED
Phenanthrene	**20500**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	85-01-8	ED
Phenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	108-95-2	ED
Pyrene	**14700**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	129-00-0	ED
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	95-94-3	ED
2,3,4,6-Tetrachlorophenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	58-90-2	ED
2,4,5-Trichlorophenol	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	95-95-4	ED
2,4,6-Trichlorophenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	88-06-2	ED

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP6 **Lab ID: 70298909006** Collected: 05/21/24 13:20 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Surrogates								
Nitrobenzene-d5 (S)	90	%.	32-154	10	06/04/24 10:15	06/07/24 16:08	4165-60-0	
2-Fluorobiphenyl (S)	96	%.	50-144	10	06/04/24 10:15	06/07/24 16:08	321-60-8	
Terphenyl-d14 (S)	101	%.	57-146	10	06/04/24 10:15	06/07/24 16:08	1718-51-0	
Phenol-d6 (S)	88	%.	54-121	10	06/04/24 10:15	06/07/24 16:08	13127-88-3	
2-Fluorophenol (S)	84	%.	57-124	10	06/04/24 10:15	06/07/24 16:08	367-12-4	
2,4,6-Tribromophenol (S)	69	%.	44-127	10	06/04/24 10:15	06/07/24 16:08	118-79-6	
Tentatively Identified Compounds								
Unknown Alkane	**3250J**	ug/kg		10	06/04/24 10:15	06/07/24 16:08		
Unknown Ketone	**3910J**	ug/kg		10	06/04/24 10:15	06/07/24 16:08		
Cyclohexanone, 3,3,5-tri	**5970J**	ug/kg		10	06/04/24 10:15	06/07/24 16:08	873-94-9	N
Unknown Cycloalkane	**2040J**	ug/kg		10	06/04/24 10:15	06/07/24 16:08		
11H-Benzo[b]fluorene $$	**1870J**	ug/kg		10	06/04/24 10:15	06/07/24 16:08	243-17-4	N
Unknown Hydrocarbon	**1920J**	ug/kg		10	06/04/24 10:15	06/07/24 16:08		
Perylene $$ Peri-Dinaph	**3810J**	ug/kg		10	06/04/24 10:15	06/07/24 16:08	198-55-0	N
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
Acetone	**33.8**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	67-64-1	IC
Benzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	71-43-2	
Bromobenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	108-86-1	
Bromochloromethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	74-97-5	
Bromodichloromethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	75-27-4	
Bromoform	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	75-25-2	
Bromomethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	74-83-9	v3
2-Butanone (MEK)	**7.2**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	78-93-3	
n-Butylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	104-51-8	
sec-Butylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	135-98-8	
tert-Butylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	98-06-6	
Carbon tetrachloride	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	56-23-5	
Chlorobenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	108-90-7	
Chlorodifluoromethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	75-45-6	N3
Chloroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	75-00-3	v3
Chloroform	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	67-66-3	
Chloromethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	74-87-3	
2-Chlorotoluene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	95-49-8	
4-Chlorotoluene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	96-12-8	
Dibromochloromethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	124-48-1	
1,2-Dibromoethane (EDB)	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	106-93-4	
Dibromomethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	74-95-3	
1,2-Dichlorobenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	95-50-1	
1,3-Dichlorobenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	541-73-1	
1,4-Dichlorobenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	106-46-7	
Dichlorodifluoromethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	75-71-8	v3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP6 **Lab ID: 70298909006** Collected: 05/21/24 13:20 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
1,1-Dichloroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	75-34-3	
1,2-Dichloroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	107-06-2	
1,1-Dichloroethene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	75-35-4	
cis-1,2-Dichloroethene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	156-59-2	
trans-1,2-Dichloroethene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	156-60-5	
1,2-Dichloropropane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	78-87-5	
1,3-Dichloropropane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	594-20-7	
1,1-Dichloropropene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	563-58-6	
cis-1,3-Dichloropropene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	10061-01-5	
trans-1,3-Dichloropropene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	10061-02-6	
Ethylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	100-41-4	
Hexachloro-1,3-butadiene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	87-68-3	
Isopropylbenzene (Cumene)	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	98-82-8	
p-Isopropyltoluene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	99-87-6	
Methylene Chloride	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	108-10-1	
Methyl-tert-butyl ether	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	1634-04-4	
Naphthalene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	91-20-3	v3
n-Propylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	103-65-1	
Styrene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	79-34-5	
Tetrachloroethene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	127-18-4	
1,2,4,5-tetramethylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	95-93-2	N3
Toluene	**3.9**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	108-88-3	
1,2,3-Trichlorobenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	87-61-6	
1,2,4-Trichlorobenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	120-82-1	
1,1,1-Trichloroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	71-55-6	
1,1,2-Trichloroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	79-00-5	
Trichloroethene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	79-01-6	
Trichlorofluoromethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	75-69-4	
1,2,3-Trichloropropane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	76-13-1	
1,2,4-Trimethylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	95-63-6	
1,3,5-Trimethylbenzene	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	108-67-8	
Vinyl chloride	**<2.3**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	75-01-4	
Xylene (Total)	**8.0**	ug/kg	4.5	1	05/28/24 06:34	05/28/24 16:19	1330-20-7	
m&p-Xylene	**5.0**	ug/kg	4.5	1	05/28/24 06:34	05/28/24 16:19	179601-23-1	
o-Xylene	**2.9**	ug/kg	2.3	1	05/28/24 06:34	05/28/24 16:19	95-47-6	
Surrogates								
Toluene-d8 (S)	95	%	69-117	1	05/28/24 06:34	05/28/24 16:19	2037-26-5	
4-Bromofluorobenzene (S)	86	%	69-121	1	05/28/24 06:34	05/28/24 16:19	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	77-120	1	05/28/24 06:34	05/28/24 16:19	17060-07-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP6 **Lab ID: 70298909006** Collected: 05/21/24 13:20 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville							
Percent Moisture	**17.7**	%	0.10	1		05/24/24 10:39		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP8 **Lab ID: 70298909007** Collected: 05/21/24 14:00 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546							
	Pace Analytical Services - Greensburg							
PCB-1016 (Aroclor 1016)	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.1	1	06/10/24 09:07	06/11/24 18:33	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.1	1	06/10/24 09:07	06/11/24 18:33	11096-82-5	
PCB-1262 (Aroclor 1262)	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	37324-23-5	
PCB-1268 (Aroclor 1268)	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	11100-14-4	
PCB, Total	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	76	%.	59-94	1	06/10/24 09:07	06/11/24 18:33	877-09-8	
Decachlorobiphenyl (S)	100	%.	73-118	1	06/10/24 09:07	06/11/24 18:33	2051-24-3	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B							
	Pace Analytical Services - Melville							
Aluminum	**16000**	mg/kg	108	10	05/29/24 09:50	05/30/24 11:45	7429-90-5	
Antimony	**<3.2**	mg/kg	3.2	1	05/29/24 09:50	05/30/24 11:11	7440-36-0	
Arsenic	**6.3**	mg/kg	0.54	1	05/29/24 09:50	05/30/24 11:11	7440-38-2	
Barium	**95.1**	mg/kg	10.8	1	05/29/24 09:50	05/30/24 11:11	7440-39-3	
Beryllium	**0.63**	mg/kg	0.27	1	05/29/24 09:50	05/30/24 11:11	7440-41-7	
Cadmium	**<0.14**	mg/kg	0.14	1	05/29/24 09:50	05/30/24 11:11	7440-43-9	
Calcium	**1230**	mg/kg	54.0	1	05/29/24 09:50	05/30/24 11:11	7440-70-2	
Chromium	**17.9**	mg/kg	0.54	1	05/29/24 09:50	05/30/24 11:11	7440-47-3	
Cobalt	**9.9**	mg/kg	2.7	1	05/29/24 09:50	05/30/24 11:11	7440-48-4	
Copper	**31.0**	mg/kg	1.4	1	05/29/24 09:50	05/30/24 11:11	7440-50-8	
Iron	**28700**	mg/kg	54.0	10	05/29/24 09:50	05/30/24 11:45	7439-89-6	
Lead	**32.4**	mg/kg	0.27	1	05/29/24 09:50	05/30/24 11:11	7439-92-1	
Magnesium	**5390**	mg/kg	54.0	1	05/29/24 09:50	05/30/24 11:11	7439-95-4	
Manganese	**794**	mg/kg	8.1	10	05/29/24 09:50	05/30/24 11:45	7439-96-5	
Nickel	**24.9**	mg/kg	2.2	1	05/29/24 09:50	05/30/24 11:11	7440-02-0	
Potassium	**1100**	mg/kg	270	1	05/29/24 09:50	05/30/24 11:11	7440-09-7	
Selenium	**<0.54**	mg/kg	0.54	1	05/29/24 09:50	05/30/24 11:11	7782-49-2	
Silver	**<0.54**	mg/kg	0.54	1	05/29/24 09:50	05/30/24 11:11	7440-22-4	
Sodium	**<270**	mg/kg	270	1	05/29/24 09:50	05/30/24 11:11	7440-23-5	
Thallium	**<0.54**	mg/kg	0.54	1	05/29/24 09:50	05/30/24 11:11	7440-28-0	
Vanadium	**21.3**	mg/kg	2.7	1	05/29/24 09:50	05/30/24 11:11	7440-62-2	
Zinc	**94.0**	mg/kg	1.1	1	05/29/24 09:50	05/30/24 11:11	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
	Pace Analytical Services - Melville							
Mercury	**0.047**	mg/kg	0.040	1	05/29/24 08:00	05/29/24 15:48	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP8 **Lab ID: 70298909007** Collected: 05/21/24 14:00 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Acenaphthene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	83-32-9	
Acenaphthylene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	208-96-8	
Acetophenone	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	98-86-2	
Anthracene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	120-12-7	
Atrazine	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	1912-24-9	
Benzaldehyde	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	100-52-7	
Benzo(a)anthracene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	56-55-3	
Benzo(a)pyrene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	207-08-9	
Biphenyl (Diphenyl)	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	101-55-3	
Butylbenzylphthalate	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	85-68-7	
Caprolactam	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	105-60-2	
Carbazole	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	59-50-7	
4-Chloroaniline	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	111-44-4	
2-Chloronaphthalene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	91-58-7	
2-Chlorophenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	7005-72-3	
Chrysene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	53-70-3	
Dibenzofuran	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	120-83-2	
Diethylphthalate	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	105-67-9	L1
Dimethylphthalate	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	131-11-3	
Di-n-butylphthalate	ND	ug/kg	2970	1	06/04/24 10:15	06/04/24 22:51	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	606-20-2	
Di-n-octylphthalate	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	117-81-7	
Fluoranthene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	206-44-0	
Fluorene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	87-68-3	
Hexachlorobenzene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	77-47-4	L2
Hexachloroethane	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	193-39-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP8 **Lab ID: 70298909007** Collected: 05/21/24 14:00 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Isophorone	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	78-59-1	
2-Methylnaphthalene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	743	1	06/04/24 10:15	06/04/24 22:51		
Naphthalene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	91-20-3	
2-Nitroaniline	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	88-74-4	
3-Nitroaniline	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	99-09-2	
4-Nitroaniline	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	100-01-6	
Nitrobenzene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	98-95-3	
2-Nitrophenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	88-75-5	
4-Nitrophenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	621-64-7	
Pentachlorophenol	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	87-86-5	
Phenanthrene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	85-01-8	
Phenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	108-95-2	
Pyrene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	85	%.	32-154	1	06/04/24 10:15	06/04/24 22:51	4165-60-0	
2-Fluorobiphenyl (S)	88	%.	50-144	1	06/04/24 10:15	06/04/24 22:51	321-60-8	
Terphenyl-d14 (S)	85	%.	57-146	1	06/04/24 10:15	06/04/24 22:51	1718-51-0	
Phenol-d6 (S)	90	%.	54-121	1	06/04/24 10:15	06/04/24 22:51	13127-88-3	
2-Fluorophenol (S)	90	%.	57-124	1	06/04/24 10:15	06/04/24 22:51	367-12-4	
2,4,6-Tribromophenol (S)	93	%.	44-127	1	06/04/24 10:15	06/04/24 22:51	118-79-6	
Tentatively Identified Compounds								
Unknown Alkane	**400J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Alkane	**394J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Heptane, 2,5-dimethyl-	**1680J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51	2216-30-0	N
Unknown Alkane	**567J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Alkane	**814J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Alkane	**3020J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Octane, 4-methyl-	**1180J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51	2216-34-4	N
Octane, 3-methyl-	**1130J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51	2216-33-3	N
Unknown Aldehyde	**825J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Alkane	**969J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Ketone	**1990J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Hydrocarbon	**3740J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
1,4-Dichlorobenzene-d4	**2310J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51	3855-82-1	N
Unknown Ketone	**714J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Organic Acid	**413J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Alcohol	**443J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Aldehyde	**433J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP8 **Lab ID: 70298909007** Collected: 05/21/24 14:00 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Tentatively Identified Compounds								
n-Hexadecanoic acid	**1040J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51	57-10-3	N
Unknown Alcohol	**913J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Cycloalkane	**395J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
Acetone	**28.0**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	67-64-1	IC
Benzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	71-43-2	
Bromobenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	108-86-1	
Bromochloromethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	74-97-5	
Bromodichloromethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	75-27-4	
Bromoform	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	75-25-2	
Bromomethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	74-83-9	v3
2-Butanone (MEK)	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	78-93-3	
n-Butylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	104-51-8	
sec-Butylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	135-98-8	
tert-Butylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	98-06-6	
Carbon tetrachloride	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	56-23-5	
Chlorobenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	108-90-7	
Chlorodifluoromethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	75-45-6	N3
Chloroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	75-00-3	v3
Chloroform	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	67-66-3	
Chloromethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	74-87-3	
2-Chlorotoluene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	95-49-8	
4-Chlorotoluene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	96-12-8	
Dibromochloromethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	124-48-1	
1,2-Dibromoethane (EDB)	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	106-93-4	
Dibromomethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	74-95-3	
1,2-Dichlorobenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	95-50-1	
1,3-Dichlorobenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	541-73-1	
1,4-Dichlorobenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	75-71-8	v3
1,1-Dichloroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	75-34-3	
1,2-Dichloroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	107-06-2	
1,1-Dichloroethene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	75-35-4	
cis-1,2-Dichloroethene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	156-59-2	
trans-1,2-Dichloroethene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	156-60-5	
1,2-Dichloropropane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	78-87-5	
1,3-Dichloropropane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	142-28-9	
2,2-Dichloropropane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	594-20-7	
1,1-Dichloropropene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	563-58-6	
cis-1,3-Dichloropropene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	10061-01-5	
trans-1,3-Dichloropropene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	10061-02-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Sample: TP8 **Lab ID: 70298909007** Collected: 05/21/24 14:00 Received: 05/23/24 07:15 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	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV 5035A-L Low Level	Analytical Method: EPA 8260D Preparation Method: EPA 5035A-L Pace Analytical Services - Melville							
Ethylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	100-41-4	
Hexachloro-1,3-butadiene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	87-68-3	
Isopropylbenzene (Cumene)	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	98-82-8	
p-Isopropyltoluene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	99-87-6	
Methylene Chloride	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	108-10-1	
Methyl-tert-butyl ether	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	1634-04-4	
Naphthalene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	91-20-3	v3
n-Propylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	103-65-1	
Styrene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	79-34-5	
Tetrachloroethene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	127-18-4	
1,2,4,5-tetramethylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	95-93-2	N3
Toluene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	120-82-1	
1,1,1-Trichloroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	71-55-6	
1,1,2-Trichloroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	79-00-5	
Trichloroethene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	79-01-6	
Trichlorofluoromethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	75-69-4	
1,2,3-Trichloropropane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	76-13-1	
1,2,4-Trimethylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	95-63-6	
1,3,5-Trimethylbenzene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	108-67-8	
Vinyl chloride	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	75-01-4	
Xylene (Total)	**<4.5**	ug/kg	4.5	1	05/28/24 06:34	05/28/24 16:40	1330-20-7	
m&p-Xylene	**<4.5**	ug/kg	4.5	1	05/28/24 06:34	05/28/24 16:40	179601-23-1	
o-Xylene	**<2.2**	ug/kg	2.2	1	05/28/24 06:34	05/28/24 16:40	95-47-6	
Surrogates								
Toluene-d8 (S)	86	%	69-117	1	05/28/24 06:34	05/28/24 16:40	2037-26-5	
4-Bromofluorobenzene (S)	95	%	69-121	1	05/28/24 06:34	05/28/24 16:40	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	77-120	1	05/28/24 06:34	05/28/24 16:40	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2216-05M Pace Analytical Services - Melville							
Percent Moisture	**12.0**	%	0.10	1		05/24/24 10:40		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

QC Batch: 349646
QC Batch Method: EPA 7471B
Analysis Method: EPA 7471B
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70298909001, 70298909004, 70298909005, 70298909006, 70298909007

METHOD BLANK: 1808689 Matrix: Solid
Associated Lab Samples: 70298909001, 70298909004, 70298909005, 70298909006, 70298909007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.036	0.036	05/29/24 15:23	

LABORATORY CONTROL SAMPLE: 1808690

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.19	0.19	100	80-120	

MATRIX SPIKE SAMPLE: 1808691

Parameter	Units	70298087001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	<0.042	0.21	0.22	96	80-120	

SAMPLE DUPLICATE: 1808692

Parameter	Units	70298087001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	<0.042	<0.042		

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

QC Batch: 349674
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70298909001, 70298909004, 70298909005, 70298909006, 70298909007

METHOD BLANK: 1808801 Matrix: Solid
Associated Lab Samples: 70298909001, 70298909004, 70298909005, 70298909006, 70298909007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	<9.4	9.4	05/30/24 10:22	
Antimony	mg/kg	<2.8	2.8	05/30/24 10:22	
Arsenic	mg/kg	<0.47	0.47	05/30/24 10:22	
Barium	mg/kg	<9.4	9.4	05/30/24 10:22	
Beryllium	mg/kg	<0.24	0.24	05/30/24 10:22	
Cadmium	mg/kg	<0.12	0.12	05/30/24 10:22	
Calcium	mg/kg	<47.2	47.2	05/30/24 10:22	
Chromium	mg/kg	<0.47	0.47	05/30/24 10:22	
Cobalt	mg/kg	<2.4	2.4	05/30/24 10:22	
Copper	mg/kg	<1.2	1.2	05/30/24 10:22	
Iron	mg/kg	<4.7	4.7	05/30/24 10:22	
Lead	mg/kg	<0.24	0.24	05/30/24 10:22	
Magnesium	mg/kg	<47.2	47.2	05/30/24 10:22	
Manganese	mg/kg	<0.71	0.71	05/30/24 10:22	
Nickel	mg/kg	<1.9	1.9	05/30/24 10:22	
Potassium	mg/kg	<236	236	05/30/24 10:22	
Selenium	mg/kg	<0.47	0.47	05/30/24 10:22	
Silver	mg/kg	<0.47	0.47	05/30/24 10:22	
Sodium	mg/kg	<236	236	05/30/24 10:22	
Thallium	mg/kg	<0.47	0.47	05/30/24 10:22	
Vanadium	mg/kg	<2.4	2.4	05/30/24 10:22	
Zinc	mg/kg	<0.94	0.94	05/30/24 10:22	

LABORATORY CONTROL SAMPLE: 1808802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	8910	9030	101	45-128	
Antimony	mg/kg	149	96.5	65	10-120	
Arsenic	mg/kg	186	168	90	80-120	
Barium	mg/kg	365	342	94	80-120	
Beryllium	mg/kg	157	154	98	80-120	
Cadmium	mg/kg	108	104	96	80-120	
Calcium	mg/kg	5510	5420	98	80-120	
Chromium	mg/kg	239	232	97	80-120	
Cobalt	mg/kg	171	167	97	80-120	
Copper	mg/kg	128	120	94	80-120	
Iron	mg/kg	8350	7530	90	54-129	
Lead	mg/kg	150	146	98	80-120	
Magnesium	mg/kg	2220	2180	98	80-120	

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

LABORATORY CONTROL SAMPLE: 1808802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Manganese	mg/kg	425	407	96	80-120	
Nickel	mg/kg	111	111	100	80-120	
Potassium	mg/kg	1790	1870	105	80-120	
Selenium	mg/kg	99.4	95.5	96	80-120	
Silver	mg/kg	48.8	46.9	96	80-120	
Sodium	mg/kg	477	483	101	80-120	
Thallium	mg/kg	178	178	100	80-120	
Vanadium	mg/kg	122	123	101	80-120	
Zinc	mg/kg	381	366	96	80-120	

MATRIX SPIKE SAMPLE: 1808804

Parameter	Units	70299196001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	7100	754	8150	139	75-125	M1
Antimony	mg/kg	<3.8	60.3	41.2	66	75-125	M1
Arsenic	mg/kg	4.5	30.2	34.2	98	75-125	
Barium	mg/kg	78.6	30.2	115	120	75-125	
Beryllium	mg/kg	<0.32	30.2	32.7	108	75-125	
Cadmium	mg/kg	0.24	30.2	31.6	104	75-125	
Calcium	mg/kg	30200	754	28700	-207	75-125	M1
Chromium	mg/kg	37.0	30.2	63.4	87	75-125	
Cobalt	mg/kg	8.3	30.2	40.8	108	75-125	
Copper	mg/kg	174	30.2	231	188	75-125	M1
Iron	mg/kg	20100	302	21500	483	75-125	M1
Lead	mg/kg	748	30.2	1150	1320	75-125	M1
Magnesium	mg/kg	13900	754	13500	-56	75-125	M1
Manganese	mg/kg	247	30.2	229	-59	75-125	M1
Nickel	mg/kg	19.2	30.2	50.1	102	75-125	
Potassium	mg/kg	1320	754	2380	140	75-125	M1
Selenium	mg/kg	1.2	30.2	30.8	98	75-125	
Silver	mg/kg	<0.63	15.1	14.2	94	75-125	
Sodium	mg/kg	912	754	1920	134	75-125	M1
Thallium	mg/kg	<0.63	15.1	14.9	99	75-125	
Vanadium	mg/kg	39.2	30.2	68.2	96	75-125	
Zinc	mg/kg	716	30.2	541	-581	75-125	M1

SAMPLE DUPLICATE: 1808803

Parameter	Units	70299196001 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	7100	6190	14	
Antimony	mg/kg	<3.8	<3.5		
Arsenic	mg/kg	4.5	4.2	8	
Barium	mg/kg	78.6	68.2	14	
Beryllium	mg/kg	<0.32	<0.29		

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

SAMPLE DUPLICATE: 1808803

Parameter	Units	70299196001 Result	Dup Result	RPD	Qualifiers
Cadmium	mg/kg	0.24	0.24	1	
Calcium	mg/kg	30200	47400	44	D6
Chromium	mg/kg	37.0	35.7	4	
Cobalt	mg/kg	8.3	7.3	13	
Copper	mg/kg	174	175	1	
Iron	mg/kg	20100	18500	8	
Lead	mg/kg	748	763	2	
Magnesium	mg/kg	13900	25800	60	D6
Manganese	mg/kg	247	219	12	
Nickel	mg/kg	19.2	19.1	1	
Potassium	mg/kg	1320	1490	12	
Selenium	mg/kg	1.2	0.64	59	D6
Silver	mg/kg	<0.63	<0.58		
Sodium	mg/kg	912	757	19	
Thallium	mg/kg	<0.63	<0.58		
Vanadium	mg/kg	39.2	31.7	21	D6
Zinc	mg/kg	716	365	65	D6

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

QC Batch: 349782
QC Batch Method: EPA 5035A-L
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV 5035A-L Low Level
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70298909001, 70298909002, 70298909003, 70298909004, 70298909005, 70298909006, 70298909007

METHOD BLANK: 1809367 Matrix: Solid
Associated Lab Samples: 70298909001, 70298909002, 70298909003, 70298909004, 70298909005, 70298909006, 70298909007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.0	2.0	05/28/24 08:16	
1,1,1-Trichloroethane	ug/kg	<2.0	2.0	05/28/24 08:16	
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	2.0	05/28/24 08:16	
1,1,2-Trichloroethane	ug/kg	<2.0	2.0	05/28/24 08:16	
1,1,2-Trichlorotrifluoroethane	ug/kg	<2.0	2.0	05/28/24 08:16	
1,1-Dichloroethane	ug/kg	<2.0	2.0	05/28/24 08:16	
1,1-Dichloroethene	ug/kg	<2.0	2.0	05/28/24 08:16	
1,1-Dichloropropene	ug/kg	<2.0	2.0	05/28/24 08:16	
1,2,3-Trichlorobenzene	ug/kg	<2.0	2.0	05/28/24 08:16	
1,2,3-Trichloropropane	ug/kg	<2.0	2.0	05/28/24 08:16	
1,2,4,5-tetramethylbenzene	ug/kg	<2.0	2.0	05/28/24 08:16	N3
1,2,4-Trichlorobenzene	ug/kg	<2.0	2.0	05/28/24 08:16	
1,2,4-Trimethylbenzene	ug/kg	<2.0	2.0	05/28/24 08:16	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	2.0	05/28/24 08:16	
1,2-Dibromoethane (EDB)	ug/kg	<2.0	2.0	05/28/24 08:16	
1,2-Dichlorobenzene	ug/kg	<2.0	2.0	05/28/24 08:16	
1,2-Dichloroethane	ug/kg	<2.0	2.0	05/28/24 08:16	
1,2-Dichloropropane	ug/kg	<2.0	2.0	05/28/24 08:16	
1,3,5-Trimethylbenzene	ug/kg	<2.0	2.0	05/28/24 08:16	
1,3-Dichlorobenzene	ug/kg	<2.0	2.0	05/28/24 08:16	
1,3-Dichloropropane	ug/kg	<2.0	2.0	05/28/24 08:16	
1,4-Dichlorobenzene	ug/kg	<2.0	2.0	05/28/24 08:16	
2,2-Dichloropropane	ug/kg	<2.0	2.0	05/28/24 08:16	
2-Butanone (MEK)	ug/kg	<2.0	2.0	05/28/24 08:16	
2-Chlorotoluene	ug/kg	<2.0	2.0	05/28/24 08:16	
4-Chlorotoluene	ug/kg	<2.0	2.0	05/28/24 08:16	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	2.0	05/28/24 08:16	
Acetone	ug/kg	<2.0	2.0	05/28/24 08:16	IC
Benzene	ug/kg	<2.0	2.0	05/28/24 08:16	
Bromobenzene	ug/kg	<2.0	2.0	05/28/24 08:16	
Bromochloromethane	ug/kg	<2.0	2.0	05/28/24 08:16	
Bromodichloromethane	ug/kg	<2.0	2.0	05/28/24 08:16	
Bromoform	ug/kg	<2.0	2.0	05/28/24 08:16	
Bromomethane	ug/kg	<2.0	2.0	05/28/24 08:16	v3
Carbon tetrachloride	ug/kg	<2.0	2.0	05/28/24 08:16	
Chlorobenzene	ug/kg	<2.0	2.0	05/28/24 08:16	
Chlorodifluoromethane	ug/kg	<2.0	2.0	05/28/24 08:16	N3
Chloroethane	ug/kg	<2.0	2.0	05/28/24 08:16	v3
Chloroform	ug/kg	<2.0	2.0	05/28/24 08:16	
Chloromethane	ug/kg	<2.0	2.0	05/28/24 08:16	

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

METHOD BLANK: 1809367 Matrix: Solid
Associated Lab Samples: 70298909001, 70298909002, 70298909003, 70298909004, 70298909005, 70298909006, 70298909007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	<2.0	2.0	05/28/24 08:16	
cis-1,3-Dichloropropene	ug/kg	<2.0	2.0	05/28/24 08:16	
Dibromochloromethane	ug/kg	<2.0	2.0	05/28/24 08:16	
Dibromomethane	ug/kg	<2.0	2.0	05/28/24 08:16	
Dichlorodifluoromethane	ug/kg	<2.0	2.0	05/28/24 08:16	v3
Ethylbenzene	ug/kg	<2.0	2.0	05/28/24 08:16	
Hexachloro-1,3-butadiene	ug/kg	<2.0	2.0	05/28/24 08:16	
Isopropylbenzene (Cumene)	ug/kg	<2.0	2.0	05/28/24 08:16	
m&p-Xylene	ug/kg	<4.0	4.0	05/28/24 08:16	
Methyl-tert-butyl ether	ug/kg	<2.0	2.0	05/28/24 08:16	
Methylene Chloride	ug/kg	<2.0	2.0	05/28/24 08:16	
n-Butylbenzene	ug/kg	<2.0	2.0	05/28/24 08:16	
n-Propylbenzene	ug/kg	<2.0	2.0	05/28/24 08:16	
Naphthalene	ug/kg	<2.0	2.0	05/28/24 08:16	v3
o-Xylene	ug/kg	<2.0	2.0	05/28/24 08:16	
p-Isopropyltoluene	ug/kg	<2.0	2.0	05/28/24 08:16	
sec-Butylbenzene	ug/kg	<2.0	2.0	05/28/24 08:16	
Styrene	ug/kg	<2.0	2.0	05/28/24 08:16	
tert-Butylbenzene	ug/kg	<2.0	2.0	05/28/24 08:16	
Tetrachloroethene	ug/kg	<2.0	2.0	05/28/24 08:16	
Toluene	ug/kg	<2.0	2.0	05/28/24 08:16	
trans-1,2-Dichloroethene	ug/kg	<2.0	2.0	05/28/24 08:16	
trans-1,3-Dichloropropene	ug/kg	<2.0	2.0	05/28/24 08:16	
Trichloroethene	ug/kg	<2.0	2.0	05/28/24 08:16	
Trichlorofluoromethane	ug/kg	<2.0	2.0	05/28/24 08:16	
Vinyl chloride	ug/kg	<2.0	2.0	05/28/24 08:16	
Xylene (Total)	ug/kg	<4.0	4.0	05/28/24 08:16	
1,2-Dichloroethane-d4 (S)	%	100	77-120	05/28/24 08:16	
4-Bromofluorobenzene (S)	%	94	69-121	05/28/24 08:16	
Toluene-d8 (S)	%	89	69-117	05/28/24 08:16	

LABORATORY CONTROL SAMPLE: 1809368

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50.2	47.0	94	74-137	
1,1,1-Trichloroethane	ug/kg	50.2	44.3	88	74-119	
1,1,2,2-Tetrachloroethane	ug/kg	50.2	41.8	83	60-136	
1,1,2-Trichloroethane	ug/kg	50.2	42.7	85	77-126	
1,1,2-Trichlorotrifluoroethane	ug/kg	50.2	44.1	88	46-131	
1,1-Dichloroethane	ug/kg	50.2	49.3	98	77-124	
1,1-Dichloroethene	ug/kg	50.2	44.2	88	56-122	
1,1-Dichloropropene	ug/kg	50.2	46.0	92	74-118	
1,2,3-Trichlorobenzene	ug/kg	50.2	45.6	91	66-137	
1,2,3-Trichloropropane	ug/kg	50.2	41.4	82	65-132	

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

LABORATORY CONTROL SAMPLE: 1809368

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-tetramethylbenzene	ug/kg	50.2	49.9	99	75-128	N3
1,2,4-Trichlorobenzene	ug/kg	50.2	48.5	97	74-134	
1,2,4-Trimethylbenzene	ug/kg	50.2	43.3	86	75-124	
1,2-Dibromo-3-chloropropane	ug/kg	50.2	43.0	86	51-139	
1,2-Dibromoethane (EDB)	ug/kg	50.2	42.3	84	75-131	
1,2-Dichlorobenzene	ug/kg	50.2	46.1	92	75-127	
1,2-Dichloroethane	ug/kg	50.2	47.8	95	75-125	
1,2-Dichloropropane	ug/kg	50.2	49.0	98	77-129	
1,3,5-Trimethylbenzene	ug/kg	50.2	45.0	90	74-123	
1,3-Dichlorobenzene	ug/kg	50.2	46.4	92	75-128	
1,3-Dichloropropane	ug/kg	50.2	45.6	91	72-133	
1,4-Dichlorobenzene	ug/kg	50.2	47.3	94	74-130	
2,2-Dichloropropane	ug/kg	50.2	51.7	103	74-140	v1
2-Butanone (MEK)	ug/kg	50.2	43.4	86	46-147	
2-Chlorotoluene	ug/kg	50.2	46.6	93	72-127	
4-Chlorotoluene	ug/kg	50.2	47.3	94	73-127	
4-Methyl-2-pentanone (MIBK)	ug/kg	50.2	43.8	87	59-133	
Acetone	ug/kg	50.2	36.4	73	36-158	IC
Benzene	ug/kg	50.2	45.2	90	79-120	
Bromobenzene	ug/kg	50.2	48.3	96	73-131	
Bromochloromethane	ug/kg	50.2	44.1	88	79-130	
Bromodichloromethane	ug/kg	50.2	47.5	95	80-123	
Bromoform	ug/kg	50.2	49.0	98	57-159	
Bromomethane	ug/kg	50.2	29.5	59	22-156	v3
Carbon tetrachloride	ug/kg	50.2	43.9	87	71-122	
Chlorobenzene	ug/kg	50.2	46.2	92	76-131	
Chlorodifluoromethane	ug/kg	50.2	41.3	82	36-139	N3
Chloroethane	ug/kg	50.2	29.9	60	50-131	v3
Chloroform	ug/kg	50.2	46.7	93	79-126	
Chloromethane	ug/kg	50.2	46.3	92	29-143	
cis-1,2-Dichloroethene	ug/kg	50.2	44.9	90	80-127	
cis-1,3-Dichloropropene	ug/kg	50.2	48.1	96	83-129	
Dibromochloromethane	ug/kg	50.2	45.4	91	70-139	
Dibromomethane	ug/kg	50.2	43.5	87	80-125	
Dichlorodifluoromethane	ug/kg	50.2	31.4	62	18-138	v3
Ethylbenzene	ug/kg	50.2	44.7	89	78-127	
Hexachloro-1,3-butadiene	ug/kg	50.2	58.0	116	64-141	v1
Isopropylbenzene (Cumene)	ug/kg	50.2	44.7	89	73-121	
m&p-Xylene	ug/kg	100	90.0	90	76-130	
Methyl-tert-butyl ether	ug/kg	50.2	39.3	78	68-128	
Methylene Chloride	ug/kg	50.2	38.2	76	64-122	
n-Butylbenzene	ug/kg	50.2	47.1	94	72-125	
n-Propylbenzene	ug/kg	50.2	45.8	91	72-124	
Naphthalene	ug/kg	50.2	37.1	74	61-133	v3
o-Xylene	ug/kg	50.2	44.0	88	76-130	
p-Isopropyltoluene	ug/kg	50.2	46.0	92	73-124	
sec-Butylbenzene	ug/kg	50.2	45.1	90	71-124	

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

LABORATORY CONTROL SAMPLE: 1809368

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/kg	50.2	45.6	91	76-132	
tert-Butylbenzene	ug/kg	50.2	44.1	88	72-125	
Tetrachloroethene	ug/kg	50.2	56.8	113	57-125	
Toluene	ug/kg	50.2	44.4	89	81-121	
trans-1,2-Dichloroethene	ug/kg	50.2	44.0	88	71-126	
trans-1,3-Dichloropropene	ug/kg	50.2	45.7	91	79-134	
Trichloroethene	ug/kg	50.2	46.1	92	79-115	
Trichlorofluoromethane	ug/kg	50.2	37.5	75	40-139	
Vinyl chloride	ug/kg	50.2	34.5	69	41-132	
Xylene (Total)	ug/kg	151	134	89	77-129	
1,2-Dichloroethane-d4 (S)	%			95	77-120	
4-Bromofluorobenzene (S)	%			92	69-121	
Toluene-d8 (S)	%			90	69-117	

MATRIX SPIKE SAMPLE: 1809369

Parameter	Units	70298909001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<1.9	46	37.8	82	59-133	
1,1,1-Trichloroethane	ug/kg	<1.9	46	39.9	87	58-138	
1,1,2,2-Tetrachloroethane	ug/kg	<1.9	46	35.7	78	43-142	
1,1,2-Trichloroethane	ug/kg	<1.9	46	33.8	73	57-130	
1,1,2-Trichlorotrifluoroethane	ug/kg	<1.9	46	40.9	89	41-151	
1,1-Dichloroethane	ug/kg	<1.9	46	41.5	90	60-140	
1,1-Dichloroethene	ug/kg	<1.9	46	39.4	86	48-146	
1,1-Dichloropropene	ug/kg	<1.9	46	39.1	85	53-138	
1,2,3-Trichlorobenzene	ug/kg	<1.9	46	21.6	47	10-140	
1,2,3-Trichloropropane	ug/kg	<1.9	46	35.1	76	40-155	
1,2,4,5-tetramethylbenzene	ug/kg	<1.9	46	33.3	72	25-145	N3
1,2,4-Trichlorobenzene	ug/kg	<1.9	46	23.0	50	10-143	
1,2,4-Trimethylbenzene	ug/kg	<1.9	46	33.4	73	38-146	
1,2-Dibromo-3-chloropropane	ug/kg	<1.9	46	33.4	73	27-150	
1,2-Dibromoethane (EDB)	ug/kg	<1.9	46	32.3	70	57-131	
1,2-Dichlorobenzene	ug/kg	<1.9	46	31.7	69	43-132	
1,2-Dichloroethane	ug/kg	<1.9	46	38.8	84	55-137	
1,2-Dichloropropane	ug/kg	<1.9	46	40.5	88	63-132	
1,3,5-Trimethylbenzene	ug/kg	<1.9	46	37.1	81	43-145	
1,3-Dichlorobenzene	ug/kg	<1.9	46	31.9	69	44-134	
1,3-Dichloropropane	ug/kg	<1.9	46	37.0	81	56-132	
1,4-Dichlorobenzene	ug/kg	<1.9	46	31.6	69	45-133	
2,2-Dichloropropane	ug/kg	<1.9	46	42.0	91	59-154	v1
2-Butanone (MEK)	ug/kg	4.7	46	39.3	75	27-149	
2-Chlorotoluene	ug/kg	<1.9	46	36.9	80	46-142	
4-Chlorotoluene	ug/kg	<1.9	46	36.2	79	46-138	
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.9	46	35.8	78	40-133	
Acetone	ug/kg	44.3	46	66.2	48	10-200	IC

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

MATRIX SPIKE SAMPLE: 1809369

Parameter	Units	70298909001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	<1.9	46	37.5	82	63-130	
Bromobenzene	ug/kg	<1.9	46	37.2	81	57-132	
Bromochloromethane	ug/kg	<1.9	46	35.7	78	64-138	
Bromodichloromethane	ug/kg	<1.9	46	38.6	84	59-133	
Bromoform	ug/kg	<1.9	46	34.8	76	48-136	
Bromomethane	ug/kg	<1.9	46	24.8	54	10-154	v3
Carbon tetrachloride	ug/kg	<1.9	46	39.2	85	54-139	
Chlorobenzene	ug/kg	<1.9	46	35.0	76	55-131	
Chlorodifluoromethane	ug/kg	<1.9	46	39.3	86	29-151	N3
Chloroethane	ug/kg	<1.9	46	26.8	58	10-160	v3
Chloroform	ug/kg	<1.9	46	39.3	86	61-141	
Chloromethane	ug/kg	<1.9	46	40.9	89	19-155	
cis-1,2-Dichloroethene	ug/kg	<1.9	46	36.4	79	61-140	
cis-1,3-Dichloropropene	ug/kg	<1.9	46	35.5	77	62-132	
Dibromochloromethane	ug/kg	<1.9	46	35.0	76	58-132	
Dibromomethane	ug/kg	<1.9	46	34.3	75	62-127	
Dichlorodifluoromethane	ug/kg	<1.9	46	30.8	67	5-156	v3
Ethylbenzene	ug/kg	<1.9	46	35.9	78	56-136	
Hexachloro-1,3-butadiene	ug/kg	<1.9	46	32.0	70	10-168	v1
Isopropylbenzene (Cumene)	ug/kg	<1.9	46	39.0	85	49-145	
m&p-Xylene	ug/kg	<3.8	91.9	68.6	75	51-139	
Methyl-tert-butyl ether	ug/kg	<1.9	46	32.6	71	48-139	
Methylene Chloride	ug/kg	<1.9	46	28.1	61	49-137	
n-Butylbenzene	ug/kg	<1.9	46	32.2	70	21-152	
n-Propylbenzene	ug/kg	<1.9	46	37.1	81	42-147	
Naphthalene	ug/kg	<1.9	46	17.4	38	21-134	v3
o-Xylene	ug/kg	<1.9	46	34.2	74	56-134	
p-Isopropyltoluene	ug/kg	<1.9	46	35.5	77	40-142	
sec-Butylbenzene	ug/kg	<1.9	46	35.7	78	37-144	
Styrene	ug/kg	<1.9	46	28.0	61	54-131	
tert-Butylbenzene	ug/kg	<1.9	46	37.9	83	44-141	
Tetrachloroethene	ug/kg	<1.9	46	37.8	82	19-182	
Toluene	ug/kg	<1.9	46	36.5	79	57-135	
trans-1,2-Dichloroethene	ug/kg	<1.9	46	37.2	81	50-147	
trans-1,3-Dichloropropene	ug/kg	<1.9	46	34.7	75	56-133	
Trichloroethene	ug/kg	<1.9	46	39.1	85	55-137	
Trichlorofluoromethane	ug/kg	<1.9	46	38.8	84	47-146	
Vinyl chloride	ug/kg	<1.9	46	32.1	70	33-151	
Xylene (Total)	ug/kg	<3.8	137	103	75	53-137	
1,2-Dichloroethane-d4 (S)	%				92	77-120	
4-Bromofluorobenzene (S)	%				89	69-121	
Toluene-d8 (S)	%				91	69-117	

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

QC Batch: 672541
QC Batch Method: EPA 3546
Analysis Method: EPA 8081B
Analysis Description: 8081 GCS Pesticides
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 70298909001, 70298909004, 70298909006

METHOD BLANK: 3274502 Matrix: Solid
Associated Lab Samples: 70298909001, 70298909004, 70298909006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/kg	ND	3.3	06/04/24 09:30	
4,4'-DDE	ug/kg	ND	3.3	06/04/24 09:30	
4,4'-DDT	ug/kg	ND	3.3	06/04/24 09:30	
Aldrin	ug/kg	ND	1.7	06/04/24 09:30	
alpha-BHC	ug/kg	ND	1.7	06/04/24 09:30	
alpha-Chlordane	ug/kg	ND	1.7	06/04/24 09:30	
beta-BHC	ug/kg	ND	1.7	06/04/24 09:30	
Dieldrin	ug/kg	ND	3.3	06/04/24 09:30	
Endosulfan I	ug/kg	ND	1.7	06/04/24 09:30	
Endosulfan II	ug/kg	ND	3.3	06/04/24 09:30	
Endosulfan sulfate	ug/kg	ND	3.3	06/04/24 09:30	
Endrin	ug/kg	ND	3.3	06/04/24 09:30	
gamma-BHC (Lindane)	ug/kg	ND	1.7	06/04/24 09:30	
gamma-Chlordane	ug/kg	ND	1.7	06/04/24 09:30	
Heptachlor	ug/kg	ND	1.7	06/04/24 09:30	
Heptachlor epoxide	ug/kg	ND	1.7	06/04/24 09:30	
Methoxychlor	ug/kg	ND	16.6	06/04/24 09:30	
Toxaphene	ug/kg	ND	16.6	06/04/24 09:30	
Decachlorobiphenyl (S)	%.	92	41-108	06/04/24 09:30	
Tetrachloro-m-xylene (S)	%.	77	44-102	06/04/24 09:30	

LABORATORY CONTROL SAMPLE: 3274503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	26.4	15.6	59	53-108	
4,4'-DDE	ug/kg	26.4	23.9	90	57-104	
4,4'-DDT	ug/kg	26.4	26.2	99	53-120	
Aldrin	ug/kg	13.2	11.4	86	55-99	
alpha-BHC	ug/kg	13.2	11.3	86	51-98	
alpha-Chlordane	ug/kg	13.2	11.8	89	54-99	
beta-BHC	ug/kg	13.2	11.2	85	55-99	
Dieldrin	ug/kg	26.4	23.9	91	58-103	
Endosulfan I	ug/kg	13.2	10.7	81	51-94	
Endosulfan II	ug/kg	26.4	22.9	87	55-97	
Endosulfan sulfate	ug/kg	26.4	24.9	94	59-102	
Endrin	ug/kg	26.4	23.9	90	57-104	
gamma-BHC (Lindane)	ug/kg	13.2	11.4	86	54-96	
gamma-Chlordane	ug/kg	13.2	11.6	88	55-99	
Heptachlor	ug/kg	13.2	11.3	85	55-96	

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

LABORATORY CONTROL SAMPLE: 3274503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Heptachlor epoxide	ug/kg	13.2	11.0	83	54-96	
Methoxychlor	ug/kg	132	132	100	57-120	
Decachlorobiphenyl (S)	%.			94	41-108	
Tetrachloro-m-xylene (S)	%.			79	44-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3274504 3274505

Parameter	Units	30687973001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4,4'-DDD	ug/kg	ND	32.9	32.1	17.4	14.9	50	44	31-123	15	
4,4'-DDE	ug/kg	ND	32.9	32.1	25.2	24.6	70	70	10-144	2	
4,4'-DDT	ug/kg	ND	32.9	32.1	31.5	28.2	89	81	10-175	11	
Aldrin	ug/kg	ND	16.5	16	11.6	11.3	68	69	10-175	2	
alpha-BHC	ug/kg	ND	16.5	16	12.5	12.5	74	76	24-132	0	
alpha-Chlordane	ug/kg	ND	16.5	16	11.7	11.1	67	65	19-134	5	
beta-BHC	ug/kg	ND	16.5	16	12.6	13.1	68	73	10-167	4	
Dieldrin	ug/kg	ND	32.9	32.1	23.6	22.8	70	70	10-164	4	
Endosulfan I	ug/kg	ND	16.5	16	10.1	9.7	59	58	10-169	4	
Endosulfan II	ug/kg	ND	32.9	32.1	26.1	25.8	73	74	24-119	1	
Endosulfan sulfate	ug/kg	ND	32.9	32.1	27.9	27.3	75	75	17-130	2	
Endrin	ug/kg	ND	32.9	32.1	24.6	24.3	72	73	10-171	1	
gamma-BHC (Lindane)	ug/kg	ND	16.5	16	12.7	12.4	73	73	10-139	2	
gamma-Chlordane	ug/kg	ND	16.5	16	12.8	12.2	76	74	20-134	5	
Heptachlor	ug/kg	ND	16.5	16	12.3	12.6	70	74	10-144	2	
Heptachlor epoxide	ug/kg	ND	16.5	16	10.8	10.6	61	62	10-153	2	
Methoxychlor	ug/kg	ND	165	160	146	150	83	88	10-155	3	
Decachlorobiphenyl (S)	%.						80	78	41-108		
Tetrachloro-m-xylene (S)	%.						69	70	44-102		

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

QC Batch: 672542
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 70298909001, 70298909004, 70298909006

METHOD BLANK: 3274506 Matrix: Solid
Associated Lab Samples: 70298909001, 70298909004, 70298909006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	16.6	06/04/24 13:44	
PCB-1221 (Aroclor 1221)	ug/kg	ND	16.6	06/04/24 13:44	
PCB-1232 (Aroclor 1232)	ug/kg	ND	16.6	06/04/24 13:44	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.3	06/04/24 13:44	
PCB-1248 (Aroclor 1248)	ug/kg	ND	16.6	06/04/24 13:44	
PCB-1254 (Aroclor 1254)	ug/kg	ND	16.6	06/04/24 13:44	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.3	06/04/24 13:44	
PCB-1262 (Aroclor 1262)	ug/kg	ND	16.6	06/04/24 13:44	
PCB-1268 (Aroclor 1268)	ug/kg	ND	16.6	06/04/24 13:44	
Decachlorobiphenyl (S)	%.	95	73-118	06/04/24 13:44	
Tetrachloro-m-xylene (S)	%.	87	59-94	06/04/24 13:44	

LABORATORY CONTROL SAMPLE: 3274507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	164	136	83	66-108	
PCB-1260 (Aroclor 1260)	ug/kg	164	132	80	57-108	
Decachlorobiphenyl (S)	%.			84	73-118	
Tetrachloro-m-xylene (S)	%.			78	59-94	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3274508 3274509

Parameter	Units	30687021001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	3890 U	383	381	1950000	2070000	507000	545000	10-175	6	E,MH
PCB-1260 (Aroclor 1260)	ug/kg	7780 U	383	381	48300	42800	12600	11300	10-175	12	MH
Decachlorobiphenyl (S)	%.						69	80	73-118		S4
Tetrachloro-m-xylene (S)	%.						270	190	59-94		S4

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

QC Batch: 674353
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 70298909005, 70298909007

METHOD BLANK: 3283258 Matrix: Solid
Associated Lab Samples: 70298909005, 70298909007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	16.5	06/11/24 16:33	
PCB-1221 (Aroclor 1221)	ug/kg	ND	16.5	06/11/24 16:33	
PCB-1232 (Aroclor 1232)	ug/kg	ND	16.5	06/11/24 16:33	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.9	06/11/24 16:33	
PCB-1248 (Aroclor 1248)	ug/kg	ND	16.5	06/11/24 16:33	
PCB-1254 (Aroclor 1254)	ug/kg	ND	16.5	06/11/24 16:33	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.9	06/11/24 16:33	
PCB-1262 (Aroclor 1262)	ug/kg	ND	16.5	06/11/24 16:33	
PCB-1268 (Aroclor 1268)	ug/kg	ND	16.5	06/11/24 16:33	
Decachlorobiphenyl (S)	%.	92	73-118	06/11/24 16:33	
Tetrachloro-m-xylene (S)	%.	78	59-94	06/11/24 16:33	

LABORATORY CONTROL SAMPLE: 3283259

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	166	136	82	66-108	
PCB-1260 (Aroclor 1260)	ug/kg	166	142	86	57-108	
Decachlorobiphenyl (S)	%.			89	73-118	
Tetrachloro-m-xylene (S)	%.			77	59-94	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3283260 3283261

Parameter	Units	30687805003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	185 U	189	186	285	265	150	142	10-175	7	
PCB-1260 (Aroclor 1260)	ug/kg	1120	189	186	845	840	-146	-152	10-175	1	ML
Decachlorobiphenyl (S)	%.						123	120	73-118		S4
Tetrachloro-m-xylene (S)	%.						92	86	59-94		

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

QC Batch: 672894 | Analysis Method: EPA 8270D
QC Batch Method: EPA 3546 | Analysis Description: 8270D Solid MSSV Microwave
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 70298909001, 70298909002, 70298909003, 70298909004, 70298909005, 70298909006, 70298909007

METHOD BLANK: 3275861 Matrix: Solid
Associated Lab Samples: 70298909001, 70298909002, 70298909003, 70298909004, 70298909005, 70298909006, 70298909007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	326	06/04/24 16:14	
2,3,4,6-Tetrachlorophenol	ug/kg	ND	326	06/04/24 16:14	
2,4,5-Trichlorophenol	ug/kg	ND	815	06/04/24 16:14	
2,4,6-Trichlorophenol	ug/kg	ND	326	06/04/24 16:14	
2,4-Dichlorophenol	ug/kg	ND	326	06/04/24 16:14	
2,4-Dimethylphenol	ug/kg	ND	326	06/04/24 16:14	
2,4-Dinitrophenol	ug/kg	ND	815	06/04/24 16:14	
2,4-Dinitrotoluene	ug/kg	ND	326	06/04/24 16:14	
2,6-Dinitrotoluene	ug/kg	ND	326	06/04/24 16:14	
2-Chloronaphthalene	ug/kg	ND	326	06/04/24 16:14	
2-Chlorophenol	ug/kg	ND	326	06/04/24 16:14	
2-Methylnaphthalene	ug/kg	ND	326	06/04/24 16:14	
2-Methylphenol(o-Cresol)	ug/kg	ND	326	06/04/24 16:14	
2-Nitroaniline	ug/kg	ND	815	06/04/24 16:14	
2-Nitrophenol	ug/kg	ND	326	06/04/24 16:14	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	651	06/04/24 16:14	
3,3'-Dichlorobenzidine	ug/kg	ND	326	06/04/24 16:14	
3-Nitroaniline	ug/kg	ND	815	06/04/24 16:14	
4,6-Dinitro-2-methylphenol	ug/kg	ND	815	06/04/24 16:14	
4-Bromophenylphenyl ether	ug/kg	ND	326	06/04/24 16:14	
4-Chloro-3-methylphenol	ug/kg	ND	326	06/04/24 16:14	
4-Chloroaniline	ug/kg	ND	326	06/04/24 16:14	
4-Chlorophenylphenyl ether	ug/kg	ND	326	06/04/24 16:14	
4-Nitroaniline	ug/kg	ND	815	06/04/24 16:14	
4-Nitrophenol	ug/kg	ND	326	06/04/24 16:14	
Acenaphthene	ug/kg	ND	326	06/04/24 16:14	
Acenaphthylene	ug/kg	ND	326	06/04/24 16:14	
Acetophenone	ug/kg	ND	326	06/04/24 16:14	
Anthracene	ug/kg	ND	326	06/04/24 16:14	
Atrazine	ug/kg	ND	326	06/04/24 16:14	
Benzaldehyde	ug/kg	ND	326	06/04/24 16:14	
Benzo(a)anthracene	ug/kg	ND	326	06/04/24 16:14	
Benzo(a)pyrene	ug/kg	ND	326	06/04/24 16:14	
Benzo(b)fluoranthene	ug/kg	ND	326	06/04/24 16:14	
Benzo(g,h,i)perylene	ug/kg	ND	326	06/04/24 16:14	
Benzo(k)fluoranthene	ug/kg	ND	326	06/04/24 16:14	
Biphenyl (Diphenyl)	ug/kg	ND	326	06/04/24 16:14	
bis(2-Chloroethoxy)methane	ug/kg	ND	326	06/04/24 16:14	
bis(2-Chloroethyl) ether	ug/kg	ND	326	06/04/24 16:14	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	326	06/04/24 16:14	

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

METHOD BLANK: 3275861 Matrix: Solid
Associated Lab Samples: 70298909001, 70298909002, 70298909003, 70298909004, 70298909005, 70298909006, 70298909007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	ND	326	06/04/24 16:14	
Caprolactam	ug/kg	ND	815	06/04/24 16:14	
Carbazole	ug/kg	ND	326	06/04/24 16:14	
Chrysene	ug/kg	ND	326	06/04/24 16:14	
Di-n-butylphthalate	ug/kg	ND	2600	06/04/24 16:14	
Di-n-octylphthalate	ug/kg	ND	326	06/04/24 16:14	
Dibenz(a,h)anthracene	ug/kg	ND	326	06/04/24 16:14	
Dibenzofuran	ug/kg	ND	326	06/04/24 16:14	
Diethylphthalate	ug/kg	ND	326	06/04/24 16:14	
Dimethylphthalate	ug/kg	ND	326	06/04/24 16:14	
Fluoranthene	ug/kg	ND	326	06/04/24 16:14	
Fluorene	ug/kg	ND	326	06/04/24 16:14	
Hexachloro-1,3-butadiene	ug/kg	ND	326	06/04/24 16:14	
Hexachlorobenzene	ug/kg	ND	326	06/04/24 16:14	
Hexachlorocyclopentadiene	ug/kg	ND	326	06/04/24 16:14	
Hexachloroethane	ug/kg	ND	326	06/04/24 16:14	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	326	06/04/24 16:14	
Isophorone	ug/kg	ND	326	06/04/24 16:14	
N-Nitroso-di-n-propylamine	ug/kg	ND	326	06/04/24 16:14	
Naphthalene	ug/kg	ND	326	06/04/24 16:14	
Nitrobenzene	ug/kg	ND	326	06/04/24 16:14	
Pentachlorophenol	ug/kg	ND	815	06/04/24 16:14	
Phenanthrene	ug/kg	ND	326	06/04/24 16:14	
Phenol	ug/kg	ND	326	06/04/24 16:14	
Pyrene	ug/kg	ND	326	06/04/24 16:14	
2.195:Unknown Alkane	ug/kg	217		06/04/24 16:14	
2.248:Heptane, 2,4-dimethyl-	ug/kg	464		06/04/24 16:14	N
2.291:Unknown Alkane	ug/kg	496		06/04/24 16:14	
2.345:Heptane, 2,5-dimethyl-	ug/kg	1850		06/04/24 16:14	N
2.388:Unknown Organic Acid	ug/kg	401		06/04/24 16:14	
2.430:Unknown Alkane	ug/kg	869		06/04/24 16:14	
2.489:Unknown Alkane	ug/kg	3440		06/04/24 16:14	
2.537:Unknown Alkane	ug/kg	1610		06/04/24 16:14	
2.591:Octane, 3-methyl- $$ 3-M	ug/kg	1290		06/04/24 16:14	N
2.676:Unknown Alkane	ug/kg	321		06/04/24 16:14	
2.901:Unknown Aromatic Hydroca	ug/kg	869		06/04/24 16:14	
2.976:Unknown Alcohol	ug/kg	339		06/04/24 16:14	
3.094:Unknown Alkane	ug/kg	722		06/04/24 16:14	
3.345:Unknown Aromatic Hydroca	ug/kg	1910		06/04/24 16:14	
2,4,6-Tribromophenol (S)	%.	90	44-127	06/04/24 16:14	
2-Fluorobiphenyl (S)	%.	95	50-144	06/04/24 16:14	
2-Fluorophenol (S)	%.	102	57-124	06/04/24 16:14	
Nitrobenzene-d5 (S)	%.	93	32-154	06/04/24 16:14	
Phenol-d6 (S)	%.	95	54-121	06/04/24 16:14	
Terphenyl-d14 (S)	%.	110	57-146	06/04/24 16:14	

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

LABORATORY CONTROL SAMPLE: 3275862

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	3270	3480	106	36-120	
2,3,4,6-Tetrachlorophenol	ug/kg	3270	3730	114	46-130	
2,4,5-Trichlorophenol	ug/kg	3270	3700	113	64-127	
2,4,6-Trichlorophenol	ug/kg	3270	3930	120	64-129	
2,4-Dichlorophenol	ug/kg	3270	3640	111	63-120	
2,4-Dimethylphenol	ug/kg	3270	4210	129	62-120	L1
2,4-Dinitrophenol	ug/kg	3270	3870	118	43-149	
2,4-Dinitrotoluene	ug/kg	3270	3710	113	63-133	
2,6-Dinitrotoluene	ug/kg	3270	3520	108	62-122	
2-Chloronaphthalene	ug/kg	3270	3390	104	63-117	
2-Chlorophenol	ug/kg	3270	3640	111	64-116	
2-Methylnaphthalene	ug/kg	3270	3420	104	65-111	
2-Methylphenol(o-Cresol)	ug/kg	3270	3720	114	65-121	
2-Nitroaniline	ug/kg	3270	3690	113	65-128	
2-Nitrophenol	ug/kg	3270	3490	107	63-126	
3&4-Methylphenol(m&p Cresol)	ug/kg	6540	7350	112	65-121	E
3,3'-Dichlorobenzidine	ug/kg	3270	2850	87	50-124	
3-Nitroaniline	ug/kg	3270	2650	81	51-120	
4,6-Dinitro-2-methylphenol	ug/kg	3270	3960	121	59-152	
4-Bromophenylphenyl ether	ug/kg	3270	3650	112	63-124	
4-Chloro-3-methylphenol	ug/kg	3270	3830	117	66-126	
4-Chloroaniline	ug/kg	3270	1810	55	46-107	
4-Chlorophenylphenyl ether	ug/kg	3270	3500	107	63-121	
4-Nitroaniline	ug/kg	3270	3750	115	43-162	
4-Nitrophenol	ug/kg	3270	3520	107	56-148	
Acenaphthene	ug/kg	3270	3510	107	64-116	
Acenaphthylene	ug/kg	3270	3550	108	68-117	
Acetophenone	ug/kg	3270	3570	109	34-113	
Anthracene	ug/kg	3270	3430	105	65-120	
Atrazine	ug/kg	3270	885	27	10-158	
Benzaldehyde	ug/kg	3270	534	16	10-69	
Benzo(a)anthracene	ug/kg	3270	3690	113	70-124	
Benzo(a)pyrene	ug/kg	3270	3760	115	69-128	
Benzo(b)fluoranthene	ug/kg	3270	3960	121	60-137	
Benzo(g,h,i)perylene	ug/kg	3270	2710	83	65-132	
Benzo(k)fluoranthene	ug/kg	3270	3940	120	63-125	
Biphenyl (Diphenyl)	ug/kg	3270	3450	105	37-124	
bis(2-Chloroethoxy)methane	ug/kg	3270	3510	107	64-115	
bis(2-Chloroethyl) ether	ug/kg	3270	3240	99	61-117	
bis(2-Ethylhexyl)phthalate	ug/kg	3270	4110	126	65-132	
Butylbenzylphthalate	ug/kg	3270	4100	125	66-135	
Caprolactam	ug/kg	3270	3150	96	44-128	
Carbazole	ug/kg	3270	3090	95	65-117	
Chrysene	ug/kg	3270	3580	109	69-118	
Di-n-butylphthalate	ug/kg	3270	3850	118	54-142	
Di-n-octylphthalate	ug/kg	3270	3970	121	59-144	
Dibenz(a,h)anthracene	ug/kg	3270	3130	96	65-138	

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

LABORATORY CONTROL SAMPLE: 3275862

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenzofuran	ug/kg	3270	3500	107	65-117	
Diethylphthalate	ug/kg	3270	3680	112	62-124	
Dimethylphthalate	ug/kg	3270	3390	104	61-122	
Fluoranthene	ug/kg	3270	3650	112	67-124	
Fluorene	ug/kg	3270	3520	108	67-119	
Hexachloro-1,3-butadiene	ug/kg	3270	3310	101	61-113	
Hexachlorobenzene	ug/kg	3270	3890	119	63-124	
Hexachlorocyclopentadiene	ug/kg	3270	663	20	62-129	L2
Hexachloroethane	ug/kg	3270	3140	96	63-109	
Indeno(1,2,3-cd)pyrene	ug/kg	3270	2980	91	63-134	
Isophorone	ug/kg	3270	2650	81	64-115	
N-Nitroso-di-n-propylamine	ug/kg	3270	3630	111	62-119	
Naphthalene	ug/kg	3270	3320	101	66-112	
Nitrobenzene	ug/kg	3270	3340	102	63-114	
Pentachlorophenol	ug/kg	3270	3830	117	67-157	
Phenanthrene	ug/kg	3270	3740	114	67-122	
Phenol	ug/kg	3270	3760	115	64-123	
Pyrene	ug/kg	3270	3970	121	66-123	
2,4,6-Tribromophenol (S)	%.			101	44-127	
2-Fluorobiphenyl (S)	%.			92	50-144	
2-Fluorophenol (S)	%.			95	57-124	
Nitrobenzene-d5 (S)	%.			91	32-154	
Phenol-d6 (S)	%.			95	54-121	
Terphenyl-d14 (S)	%.			95	57-146	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3275863 3275864

Parameter	Units	30686952001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	4050	4100	4250	4280	105	104	25-117	1	
2,3,4,6-Tetrachlorophenol	ug/kg	ND	4050	4100	4550	4630	112	113	10-162	2	
2,4,5-Trichlorophenol	ug/kg	ND	4050	4100	4390	4570	109	111	42-139	4	
2,4,6-Trichlorophenol	ug/kg	ND	4050	4100	4920	4830	122	118	30-156	2	
2,4-Dichlorophenol	ug/kg	ND	4050	4100	4300	4520	106	110	50-127	5	
2,4-Dimethylphenol	ug/kg	ND	4050	4100	4320	4270	107	104	47-128	1	
2,4-Dinitrophenol	ug/kg	ND	4050	4100	4450	4000	110	97	10-175	11	
2,4-Dinitrotoluene	ug/kg	ND	4050	4100	4430	4500	109	110	48-135	2	
2,6-Dinitrotoluene	ug/kg	ND	4050	4100	4170	4340	103	106	54-122	4	
2-Chloronaphthalene	ug/kg	ND	4050	4100	4150	4200	102	102	48-135	1	
2-Chlorophenol	ug/kg	ND	4050	4100	4140	4230	102	103	54-128	2	
2-Methylnaphthalene	ug/kg	ND	4050	4100	4160	4440	103	108	54-121	6	
2-Methylphenol(o-Cresol)	ug/kg	ND	4050	4100	4410	4560	109	111	56-129	3	
2-Nitroaniline	ug/kg	ND	4050	4100	4430	4430	109	108	53-133	0	
2-Nitrophenol	ug/kg	ND	4050	4100	4190	4400	103	107	31-146	5	

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3275863 3275864

Parameter	Units	30686952001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	8100	8200	8600	8860	106	108	58-128	3	E
3,3'-Dichlorobenzidine	ug/kg	ND	4050	4100	1560	1090	39	27	10-159	36	R1
3-Nitroaniline	ug/kg	ND	4050	4100	2790	3050	69	74	42-121	9	
4,6-Dinitro-2-methylphenol	ug/kg	ND	4050	4100	4520	4460	112	109	10-175	1	
4-Bromophenylphenyl ether	ug/kg	ND	4050	4100	4310	4470	106	109	57-130	4	
4-Chloro-3-methylphenol	ug/kg	ND	4050	4100	4570	4840	113	118	58-132	6	
4-Chloroaniline	ug/kg	ND	4050	4100	1420	1400	35	34	28-112	1	
4-Chlorophenylphenyl ether	ug/kg	ND	4050	4100	4230	4280	104	104	56-129	1	
4-Nitroaniline	ug/kg	ND	4050	4100	3880	4520	96	110	28-175	15	
4-Nitrophenol	ug/kg	ND	4050	4100	4070	3900	100	95	14-164	4	
Acenaphthene	ug/kg	ND	4050	4100	4310	4350	107	106	53-133	1	
Acenaphthylene	ug/kg	ND	4050	4100	4340	4340	107	106	53-133	0	
Acetophenone	ug/kg	ND	4050	4100	4470	4720	110	115	23-109	5	MH
Anthracene	ug/kg	ND	4050	4100	4040	4180	100	102	50-133	4	
Atrazine	ug/kg	ND	4050	4100	1030	1110	25	27	10-145	8	
Benzaldehyde	ug/kg	ND	4050	4100	3470	3410	86	83	10-74	2	MH
Benzo(a)anthracene	ug/kg	ND	4050	4100	4330	4580	107	112	42-149	6	
Benzo(a)pyrene	ug/kg	ND	4050	4100	4580	4780	113	116	55-133	4	
Benzo(b)fluoranthene	ug/kg	ND	4050	4100	5310	5780	131	141	51-144	8	
Benzo(g,h,i)perylene	ug/kg	ND	4050	4100	2580	2280	64	55	10-147	13	
Benzo(k)fluoranthene	ug/kg	ND	4050	4100	5160	5360	127	131	43-147	4	
Biphenyl (Diphenyl)	ug/kg	ND	4050	4100	4270	4240	106	103	10-151	1	
bis(2-Chloroethoxy)methane	ug/kg	ND	4050	4100	4200	4360	104	106	57-124	4	
bis(2-Chloroethyl) ether	ug/kg	ND	4050	4100	3930	4010	97	98	61-117	2	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	4050	4100	4660	5080	114	122	56-149	9	
Butylbenzylphthalate	ug/kg	ND	4050	4100	4780	5080	118	124	60-149	6	
Caprolactam	ug/kg	ND	4050	4100	3800	3990	94	97	24-145	5	
Carbazole	ug/kg	ND	4050	4100	3810	4070	94	99	53-130	7	
Chrysene	ug/kg	ND	4050	4100	4180	4540	103	111	36-149	8	
Di-n-butylphthalate	ug/kg	ND	4050	4100	4580	4810	113	117	56-138	5	
Di-n-octylphthalate	ug/kg	ND	4050	4100	6570	8050	162	196	36-175	20	MH
Dibenz(a,h)anthracene	ug/kg	ND	4050	4100	2980	2710	74	66	21-142	10	
Dibenzofuran	ug/kg	ND	4050	4100	4290	4360	106	106	54-131	2	
Diethylphthalate	ug/kg	ND	4050	4100	4430	4520	109	110	56-130	2	
Dimethylphthalate	ug/kg	ND	4050	4100	3950	3990	97	97	54-131	1	
Fluoranthene	ug/kg	ND	4050	4100	4440	4730	110	115	17-174	6	
Fluorene	ug/kg	ND	4050	4100	4210	4270	104	104	54-135	1	
Hexachloro-1,3-butadiene	ug/kg	ND	4050	4100	3970	4260	98	104	51-126	7	
Hexachlorobenzene	ug/kg	ND	4050	4100	4650	4960	115	121	55-131	7	
Hexachlorocyclopentadiene	ug/kg	ND	4050	4100	735	698	18	17	10-155	5	
Hexachloroethane	ug/kg	ND	4050	4100	3840	4170	95	102	50-120	8	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	4050	4100	2890	2640	71	64	20-139	9	
Isophorone	ug/kg	ND	4050	4100	3150	3320	78	81	57-119	5	
N-Nitroso-di-n-propylamine	ug/kg	ND	4050	4100	4490	4710	111	115	61-122	5	
Naphthalene	ug/kg	ND	4050	4100	3990	4240	98	103	50-133	6	

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3275863 3275864

Parameter	Units	30686952001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrobenzene	ug/kg	ND	4050	4100	4010	4140	99	101	59-118	3	
Pentachlorophenol	ug/kg	ND	4050	4100	4770	5110	118	124	16-175	7	
Phenanthrene	ug/kg	ND	4050	4100	4460	4660	110	114	25-161	4	
Phenol	ug/kg	ND	4050	4100	4440	4630	110	113	60-125	4	
Pyrene	ug/kg	ND	4050	4100	4200	4680	104	114	13-173	11	
2,4,6-Tribromophenol (S)	%.						91	93	44-127		
2-Fluorobiphenyl (S)	%.						90	88	50-144		
2-Fluorophenol (S)	%.						91	91	57-124		
Nitrobenzene-d5 (S)	%.						86	87	32-154		
Phenol-d6 (S)	%.						91	92	54-121		
Terphenyl-d14 (S)	%.						88	93	57-146		

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

QC Batch: 349380
QC Batch Method: ASTM D2216-05M
Analysis Method: ASTM D2216-05M
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70298909001, 70298909002, 70298909003, 70298909004, 70298909005, 70298909006, 70298909007

SAMPLE DUPLICATE: 1806751

Parameter	Units	70298909001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	9.1	8.4	8	

SAMPLE DUPLICATE: 1806752

Parameter	Units	70299004002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	49.8	51.1	3	

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
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALIFIERS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

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.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 349721

[1]	The post digestion spike for sample 70299196001 (PDS 1808979) did not meet acceptance criteira for Silver, Aluminum, Barium, Calcium, Copper, Iron, Magnesium, Manganese, Lead and ZInc.
[2]	The serial dilution for sample 70299196001 (SD 1808978) did not meet acceptance criteira for Aluminum, Arsenic, Barium, Beryllium, Calcium, Cadmium, Cobalt, Chromium, Copper, Iron, Magnesium, Manganese, Molybdenum, Nickel, Lead, Antimony, Selenium, Vanadium and Zinc.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
ED	Due to the extract's physical characteristics, the analysis was performed at dilution.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
Ip	Benzo(b)fluoranthene and benzo(k)fluoranthene were separated in the check standard but did not meet the resolution criteria specified in the test method. Sample results included are reported as individual isomers, but the lab and the client must recognize them as an isomeric pair.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALIFIERS

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
N	The reported TIC has an 85% or higher match on a mass spectral library search.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WILLIAMS ROAD PHASE II 5/21
Pace Project No.: 70298909

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70298909001	**TP1**	EPA 3546	672541	EPA 8081B	672861
70298909004	**TP4**	EPA 3546	672541	EPA 8081B	672861
70298909006	**TP6**	EPA 3546	672541	EPA 8081B	672861
70298909001	**TP1**	EPA 3546	672542	EPA 8082A	672862
70298909004	**TP4**	EPA 3546	672542	EPA 8082A	672862
70298909005	**TP5**	EPA 3546	674353	EPA 8082A	674572
70298909006	**TP6**	EPA 3546	672542	EPA 8082A	672862
70298909007	**TP8**	EPA 3546	674353	EPA 8082A	674572
70298909001	**TP1**	EPA 3050B	349674	EPA 6010D	349721
70298909004	**TP4**	EPA 3050B	349674	EPA 6010D	349721
70298909005	**TP5**	EPA 3050B	349674	EPA 6010D	349721
70298909006	**TP6**	EPA 3050B	349674	EPA 6010D	349721
70298909007	**TP8**	EPA 3050B	349674	EPA 6010D	349721
70298909001	**TP1**	EPA 7471B	349646	EPA 7471B	349696
70298909004	**TP4**	EPA 7471B	349646	EPA 7471B	349696
70298909005	**TP5**	EPA 7471B	349646	EPA 7471B	349696
70298909006	**TP6**	EPA 7471B	349646	EPA 7471B	349696
70298909007	**TP8**	EPA 7471B	349646	EPA 7471B	349696
70298909001	**TP1**	EPA 3546	672894	EPA 8270D	673172
70298909002	**TP2**	EPA 3546	672894	EPA 8270D	673172
70298909003	**TP3**	EPA 3546	672894	EPA 8270D	673172
70298909004	**TP4**	EPA 3546	672894	EPA 8270D	673172
70298909005	**TP5**	EPA 3546	672894	EPA 8270D	673172
70298909006	**TP6**	EPA 3546	672894	EPA 8270D	673172
70298909007	**TP8**	EPA 3546	672894	EPA 8270D	673172
70298909001	**TP1**	EPA 5035A-L	349782	EPA 8260D	349847
70298909002	**TP2**	EPA 5035A-L	349782	EPA 8260D	349847
70298909003	**TP3**	EPA 5035A-L	349782	EPA 8260D	349847
70298909004	**TP4**	EPA 5035A-L	349782	EPA 8260D	349847
70298909005	**TP5**	EPA 5035A-L	349782	EPA 8260D	349847
70298909006	**TP6**	EPA 5035A-L	349782	EPA 8260D	349847
70298909007	**TP8**	EPA 5035A-L	349782	EPA 8260D	349847
70298909001	**TP1**	ASTM D2216-05M	349380		
70298909002	**TP2**	ASTM D2216-05M	349380		
70298909003	**TP3**	ASTM D2216-05M	349380		
70298909004	**TP4**	ASTM D2216-05M	349380		
70298909005	**TP5**	ASTM D2216-05M	349380		
70298909006	**TP6**	ASTM D2216-05M	349380		
70298909007	**TP8**	ASTM D2216-05M	349380		

WO# : 70298909

70298909

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

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

Company Name: Envirospec Engineering PLLC	Contact/Report To: Joseph Braun
Street Address: 349 Northern Blvd Ste. 3 Albany NY12204	Phone #: 860-690-0534
	E-Mail: jbraun@envirospeceng.com
	Cc E-Mail: slabrecque@envirospeceng.com
Customer Project #: E24-4216	Invoice to: Gianna Aiezza
Project Name: Williams Road Phase II	Invoice E-mail: jbraun@envirospeceng.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): New York

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

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 (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 5 5 5 5 5

Identify Container Preservative Type***: 5 1 5 1 1

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	8082 (PCBs)	8270 (SVOCs)	8260 (VOCs)	8010 & 7471 (Metals & Mercury)	8081 (Pesticides)	Sample Comment
TP1	SL	G	5/21	09:45						X	X	X	X	X	
TP2	SL	G	5/21	10:35							X	X			
TP3	SL	G	5/21	14:30							X	X			
TP4	SL	G	5/21	11:35						X	X	X	X	X	
TP5	SL	G	5/21	12:30						X	X	X	X		
TP6	SL	G	5/21	13:20						X	X	X	X	X	
TP8	SL	G	5/21	14:00						X	X	X	X		

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
For Melville Lab
VOC 8260 including MTBE
Lab Filtering for water samples.
5/21/24

Collected By:
Printed Name
Signature

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	Ice
1	TH211	-0.1	2.4	1.3	✓

Relinquished by/Company: (Signature) Envirospec	Date/Time: 16:45	Received by/Company: (Signature) PACE	Date/Time: 5/21/24 1645	Tracking Number:
Relinquished by/Company: (Signature) PACE	Date/Time: 5/21/24 1700	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time: 5/21/24	Received by/Company: (Signature)	Date/Time: 5/21/24 2020	
Relinquished by/Company: (Signature) LCS 5/22	Date/Time: 7:15A	Received by/Company: (Signature)	Date/Time: 5/23/24 7:15	Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

ENV-FRM-CORQ-0019_v02_110123 ©

DC#_Title: Excel Form Template
Effective Date:

WO#: 70298909

PM: DHB **Due Date: 06/06/24**
CLIENT: Envirospec

Client Name: Envirospec Engin **Project #**

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals intact:** ☐ Yes ☑ No **Temperature Blank Present:** ☐ Yes ☑ No
Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☑ Ziplo ☐ None ☐ Other **Type of Ice:** ☑ Wet Blue None

Thermometer Used: TH211 **Correction Factor:** -0.1 ☐ Samples on ice, cooling process has begun
Cooler Temperature(°C): 1.4 **Cooler Temperature Corrected(°C):** 1.3 **Date/Time 5035A kits placed in freezer**
Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Ye ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: SH 5/22/24

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix:	☑Yes	☐No		12.
	SL WT OIL OTHER			

Date and Initials of person checking preservation: SH 5/22/24

All containers needing preservation have been	☐Yes	☐No	☑N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☐Yes	☐No	☑N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sul	☐Yes	☐No	☑N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm):	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	16.
Trip Blank Present:	☐Yes	☐No	☑N/A	17.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	

Client Notification/ Resolution: **Field Data Required?** Y / N
Person Contacted: **Date/Time:**
Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

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

June 14, 2024

Daniel Bonitto
Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747

RE: Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Dear Daniel Bonitto:

Enclosed are the analytical results for sample(s) received by the laboratory on May 25, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

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

Sincerely,

Carla Cmar
carla.cmar@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Pace-Melville sub-reports, Pace Analytical Melville

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

CERTIFICATIONS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
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 #: PA014572023-03
New Hampshire/TNI Certification #: 297622
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 #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70298909001	**TP1**	Solid	05/21/24 09:45	05/25/24 11:00
70298909002	**TP2**	Solid	05/21/24 09:45	05/25/24 11:00
70298909003	**TP3**	Solid	05/21/24 14:20	05/25/24 11:00
70298909004	**TP4**	Solid	05/21/24 11:35	05/25/24 11:00
70298909005	**TP5**	Solid	05/21/24 12:30	05/25/24 11:00
70298909006	**TP6**	Solid	05/21/24 12:30	05/25/24 11:00
70298909007	**TP8**	Solid	05/21/24 14:00	05/25/24 11:00

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: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70298909001	**TP1**	EPA 8081B	CTS	20	PASI-PA
		EPA 8082A	SEL	12	PASI-PA
		EPA 8270D	EAC	88	PASI-PA
		SM 2540G-2015	IR00	1	PASI-PA
70298909002	**TP2**	EPA 8270D	EAC	86	PASI-PA
		SM 2540G-2015	IR00	1	PASI-PA
70298909003	**TP3**	EPA 8270D	EAC	90	PASI-PA
		SM 2540G-2015	IR00	1	PASI-PA
70298909004	**TP4**	EPA 8081B	CTS	20	PASI-PA
		EPA 8082A	SEL	12	PASI-PA
		EPA 8270D	EAC	89	PASI-PA
		SM 2540G-2015	IR00	1	PASI-PA
70298909005	**TP5**	EPA 8082A	BNL	12	PASI-PA
		EPA 8270D	EAC	76	PASI-PA
		SM 2540G-2015	IR00	1	PASI-PA
70298909006	**TP6**	EPA 8081B	CTS	20	PASI-PA
		EPA 8082A	SEL	12	PASI-PA
		EPA 8270D	EAC	78	PASI-PA
		SM 2540G-2015	IR00	1	PASI-PA
70298909007	**TP8**	EPA 8082A	BNL	12	PASI-PA
		EPA 8270D	EAC	91	PASI-PA
		SM 2540G-2015	IR00	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP1 **Lab ID: 70298909001** Collected: 05/21/24 09:45 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8081B GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Aldrin	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	309-00-2	
alpha-BHC	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	319-84-6	
beta-BHC	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	319-85-7	
gamma-BHC (Lindane)	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	58-89-9	
alpha-Chlordane	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	5103-71-9	
gamma-Chlordane	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	5103-74-2	
4,4'-DDD	ND	ug/kg	3.7	1	06/03/24 09:04	06/04/24 09:52	72-54-8	
4,4'-DDE	ND	ug/kg	3.7	1	06/03/24 09:04	06/04/24 09:52	72-55-9	
4,4'-DDT	ND	ug/kg	3.7	1	06/03/24 09:04	06/04/24 09:52	50-29-3	CH
Dieldrin	ND	ug/kg	3.7	1	06/03/24 09:04	06/04/24 09:52	60-57-1	
Endosulfan I	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	959-98-8	
Endosulfan II	ND	ug/kg	3.7	1	06/03/24 09:04	06/04/24 09:52	33213-65-9	
Endosulfan sulfate	ND	ug/kg	3.7	1	06/03/24 09:04	06/04/24 09:52	1031-07-8	
Endrin	ND	ug/kg	3.7	1	06/03/24 09:04	06/04/24 09:52	72-20-8	
Heptachlor	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	76-44-8	
Heptachlor epoxide	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 09:52	1024-57-3	
Methoxychlor	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 09:52	72-43-5	CH
Toxaphene	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 09:52	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	89	%.	44-102	1	06/03/24 09:04	06/04/24 09:52	877-09-8	
Decachlorobiphenyl (S)	98	%.	41-108	1	06/03/24 09:04	06/04/24 09:52	2051-24-3	
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
PCB-1016 (Aroclor 1016)	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.7	1	06/03/24 09:04	06/04/24 22:11	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.7	1	06/03/24 09:04	06/04/24 22:11	11096-82-5	
PCB-1262 (Aroclor 1262)	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	37324-23-5	
PCB-1268 (Aroclor 1268)	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	11100-14-4	
PCB, Total	ND	ug/kg	18.3	1	06/03/24 09:04	06/04/24 22:11	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	89	%.	59-94	1	06/03/24 09:04	06/04/24 22:11	877-09-8	
Decachlorobiphenyl (S)	91	%.	73-118	1	06/03/24 09:04	06/04/24 22:11	2051-24-3	
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Acenaphthene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	83-32-9	
Acenaphthylene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	208-96-8	
Acetophenone	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	98-86-2	
Anthracene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	120-12-7	
Atrazine	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	1912-24-9	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP1 **Lab ID: 70298909001** Collected: 05/21/24 09:45 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Benzaldehyde	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	100-52-7	
Benzo(a)anthracene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	56-55-3	
Benzo(a)pyrene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	205-99-2	Ip
Benzo(g,h,i)perylene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	207-08-9	Ip
Biphenyl (Diphenyl)	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	101-55-3	
Butylbenzylphthalate	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	85-68-7	
Caprolactam	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	105-60-2	
Carbazole	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	59-50-7	
4-Chloroaniline	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	111-44-4	
2-Chloronaphthalene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	91-58-7	
2-Chlorophenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	7005-72-3	
Chrysene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	53-70-3	
Dibenzofuran	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	120-83-2	
Diethylphthalate	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	105-67-9	L1
Dimethylphthalate	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	131-11-3	
Di-n-butylphthalate	ND	ug/kg	2800	1	06/04/24 10:15	06/04/24 21:24	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	606-20-2	
Di-n-octylphthalate	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	117-81-7	
Fluoranthene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	206-44-0	
Fluorene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	87-68-3	
Hexachlorobenzene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	77-47-4	L2
Hexachloroethane	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	193-39-5	
Isophorone	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	78-59-1	
2-Methylnaphthalene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	701	1	06/04/24 10:15	06/04/24 21:24		
Naphthalene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP1 **Lab ID: 70298909001** Collected: 05/21/24 09:45 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
2-Nitroaniline	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	88-74-4	
3-Nitroaniline	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	99-09-2	
4-Nitroaniline	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	100-01-6	
Nitrobenzene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	98-95-3	
2-Nitrophenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	88-75-5	
4-Nitrophenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	621-64-7	
Pentachlorophenol	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	87-86-5	
Phenanthrene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	85-01-8	
Phenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	108-95-2	
Pyrene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	876	1	06/04/24 10:15	06/04/24 21:24	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	350	1	06/04/24 10:15	06/04/24 21:24	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	80	%.	32-154	1	06/04/24 10:15	06/04/24 21:24	4165-60-0	
2-Fluorobiphenyl (S)	80	%.	50-144	1	06/04/24 10:15	06/04/24 21:24	321-60-8	
Terphenyl-d14 (S)	91	%.	57-146	1	06/04/24 10:15	06/04/24 21:24	1718-51-0	
Phenol-d6 (S)	81	%.	54-121	1	06/04/24 10:15	06/04/24 21:24	13127-88-3	
2-Fluorophenol (S)	82	%.	57-124	1	06/04/24 10:15	06/04/24 21:24	367-12-4	
2,4,6-Tribromophenol (S)	85	%.	44-127	1	06/04/24 10:15	06/04/24 21:24	118-79-6	
Tentatively Identified Compounds								
Unknown Alkane	**169J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Heptane, 2,4-dimethyl- $	**373J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24	2213-23-2	N
Unknown Alkane	**393J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Heptane, 2,5-dimethyl-	**1450J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24	2216-30-0	N
Unknown Organic Acid	**327J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Unknown Hydrocarbon	**775J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Unknown Alkane	**2810J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Octane, 4-methyl-	**1130J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24	2216-34-4	N
Octane, 3-methyl- $$ 3-M	**1070J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24	2216-33-3	N
Unknown Cycloalkane	**359J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Unknown Aldehyde	**744J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Unknown Alkane	**409J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Unknown Alkane	**679J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Unknown Cycloalkane	**597J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Unknown Hydrocarbon	**2270J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24		
Benzene-1,2,3,4-d4-, 5,6	**1750J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24	2199-69-1	N
Hexadecanoic acid	**174J**	ug/kg		1	06/04/24 10:15	06/04/24 21:24	57-10-3	N
Percent Moisture	Analytical Method: SM 2540G-2015 Pace Analytical Services - Greensburg							
Percent Moisture	**9.1**	%	0.10	1		05/28/24 13:45		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP2 **Lab ID: 70298909002** Collected: 05/21/24 09:45 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Acenaphthene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	83-32-9	
Acenaphthylene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	208-96-8	
Acetophenone	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	98-86-2	
Anthracene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	120-12-7	
Atrazine	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	1912-24-9	
Benzaldehyde	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	100-52-7	
Benzo(a)anthracene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	56-55-3	
Benzo(a)pyrene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	207-08-9	
Biphenyl (Diphenyl)	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	101-55-3	
Butylbenzylphthalate	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	85-68-7	
Caprolactam	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	105-60-2	
Carbazole	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	59-50-7	
4-Chloroaniline	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	111-44-4	
2-Chloronaphthalene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	91-58-7	
2-Chlorophenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	7005-72-3	
Chrysene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	53-70-3	
Dibenzofuran	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	120-83-2	
Diethylphthalate	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	105-67-9	L1
Dimethylphthalate	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	131-11-3	
Di-n-butylphthalate	ND	ug/kg	2860	1	06/04/24 10:15	06/04/24 21:46	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	606-20-2	
Di-n-octylphthalate	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	117-81-7	
Fluoranthene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	206-44-0	
Fluorene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	87-68-3	
Hexachlorobenzene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	77-47-4	L2
Hexachloroethane	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	193-39-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP2 **Lab ID: 70298909002** Collected: 05/21/24 09:45 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Isophorone	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	78-59-1	
2-Methylnaphthalene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	715	1	06/04/24 10:15	06/04/24 21:46		
Naphthalene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	91-20-3	
2-Nitroaniline	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	88-74-4	
3-Nitroaniline	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	99-09-2	
4-Nitroaniline	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	100-01-6	
Nitrobenzene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	98-95-3	
2-Nitrophenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	88-75-5	
4-Nitrophenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	621-64-7	
Pentachlorophenol	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	87-86-5	
Phenanthrene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	85-01-8	
Phenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	108-95-2	
Pyrene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	895	1	06/04/24 10:15	06/04/24 21:46	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	358	1	06/04/24 10:15	06/04/24 21:46	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	85	%.	32-154	1	06/04/24 10:15	06/04/24 21:46	4165-60-0	
2-Fluorobiphenyl (S)	86	%.	50-144	1	06/04/24 10:15	06/04/24 21:46	321-60-8	
Terphenyl-d14 (S)	89	%.	57-146	1	06/04/24 10:15	06/04/24 21:46	1718-51-0	
Phenol-d6 (S)	90	%.	54-121	1	06/04/24 10:15	06/04/24 21:46	13127-88-3	
2-Fluorophenol (S)	93	%.	57-124	1	06/04/24 10:15	06/04/24 21:46	367-12-4	
2,4,6-Tribromophenol (S)	84	%.	44-127	1	06/04/24 10:15	06/04/24 21:46	118-79-6	
Tentatively Identified Compounds								
Unknown Alkane	**194J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Heptane, 2,4-dimethyl-	**406J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46	2213-23-2	N
Unknown Alkane	**410J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Heptane, 3,5-dimethyl-	**1630J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46	926-82-9	N
Unknown Ketone	**532J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Unknown Hydrocarbon	**877J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Unknown Alkane	**3130J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Octane, 4-methyl-	**1290J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46	2216-34-4	N
Octane, 3-methyl-	**1190J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46	2216-33-3	N
Unknown Alkane	**301J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Unknown Cycloalkane	**754J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Unknown Hydrocarbon	**333J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Unknown Alkane	**742J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Unknown Aromatic Hydroca	**1890J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		
Unknown Hydrocarbon	**294J**	ug/kg		1	06/04/24 10:15	06/04/24 21:46		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP2 **Lab ID: 70298909002** Collected: 05/21/24 09:45 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: SM 2540G-2015 Pace Analytical Services - Greensburg							
Percent Moisture	**8.6**	%	0.10	1		05/28/24 13:45		

Sample: TP3 **Lab ID: 70298909003** Collected: 05/21/24 14:20 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Acenaphthene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	83-32-9	
Acenaphthylene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	208-96-8	
Acetophenone	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	98-86-2	
Anthracene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	120-12-7	
Atrazine	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	1912-24-9	
Benzaldehyde	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	100-52-7	
Benzo(a)anthracene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	56-55-3	
Benzo(a)pyrene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	207-08-9	
Biphenyl (Diphenyl)	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	101-55-3	
Butylbenzylphthalate	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	85-68-7	
Caprolactam	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	105-60-2	
Carbazole	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	59-50-7	
4-Chloroaniline	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	111-44-4	
2-Chloronaphthalene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	91-58-7	
2-Chlorophenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	7005-72-3	
Chrysene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	53-70-3	
Dibenzofuran	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	120-83-2	
Diethylphthalate	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	105-67-9	L1
Dimethylphthalate	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	131-11-3	
Di-n-butylphthalate	ND	ug/kg	2820	1	06/04/24 10:15	06/04/24 22:08	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	121-14-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP3 **Lab ID: 70298909003** Collected: 05/21/24 14:20 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
2,6-Dinitrotoluene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	606-20-2	
Di-n-octylphthalate	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	117-81-7	
Fluoranthene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	206-44-0	
Fluorene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	87-68-3	
Hexachlorobenzene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	77-47-4	L2
Hexachloroethane	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	193-39-5	
Isophorone	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	78-59-1	
2-Methylnaphthalene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	706	1	06/04/24 10:15	06/04/24 22:08		
Naphthalene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	91-20-3	
2-Nitroaniline	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	88-74-4	
3-Nitroaniline	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	99-09-2	
4-Nitroaniline	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	100-01-6	
Nitrobenzene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	98-95-3	
2-Nitrophenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	88-75-5	
4-Nitrophenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	621-64-7	
Pentachlorophenol	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	87-86-5	
Phenanthrene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	85-01-8	
Phenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	108-95-2	
Pyrene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	883	1	06/04/24 10:15	06/04/24 22:08	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	353	1	06/04/24 10:15	06/04/24 22:08	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	84	%.	32-154	1	06/04/24 10:15	06/04/24 22:08	4165-60-0	
2-Fluorobiphenyl (S)	86	%.	50-144	1	06/04/24 10:15	06/04/24 22:08	321-60-8	
Terphenyl-d14 (S)	89	%.	57-146	1	06/04/24 10:15	06/04/24 22:08	1718-51-0	
Phenol-d6 (S)	87	%.	54-121	1	06/04/24 10:15	06/04/24 22:08	13127-88-3	
2-Fluorophenol (S)	89	%.	57-124	1	06/04/24 10:15	06/04/24 22:08	367-12-4	
2,4,6-Tribromophenol (S)	88	%.	44-127	1	06/04/24 10:15	06/04/24 22:08	118-79-6	
Tentatively Identified Compounds								
Unknown	**187J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Hexane, 2,3,5-trimethyl-	**194J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08	1069-53-0	N
Unknown Alkane	**393J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Alkane	**385J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Heptane, 2,5-dimethyl- $	**1430J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08	2216-30-0	N
Unknown Ketone	**229J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Alkane	**262J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP3 **Lab ID: 70298909003** Collected: 05/21/24 14:20 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Tentatively Identified Compounds								
Heptane, 2,3-dimethyl- $	**2670J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08	3074-71-3	N
Unknown Alkane	**1170J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Octane, 3-methyl- $$ 3-M	**1020J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08	2216-33-3	N
Unknown Alkane	**304J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Aldehyde	**732J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Alcohol	**444J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Ketone	**466J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Cycloalkane	**417J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Aromatic Hydroca	**2100J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Unknown Alkane	**175J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Hexadecanoic acid	**156J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08	57-10-3	N
Unknown Hydrocarbon	**511J**	ug/kg		1	06/04/24 10:15	06/04/24 22:08		
Percent Moisture	Analytical Method: SM 2540G-2015 Pace Analytical Services - Greensburg							
Percent Moisture	**7.2**	%	0.10	1		05/28/24 13:45		

Sample: TP4 **Lab ID: 70298909004** Collected: 05/21/24 11:35 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8081B GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Aldrin	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	309-00-2	
alpha-BHC	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	319-84-6	
beta-BHC	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	319-85-7	
gamma-BHC (Lindane)	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	58-89-9	
alpha-Chlordane	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	5103-71-9	
gamma-Chlordane	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	5103-74-2	
4,4'-DDD	ND	ug/kg	3.6	1	06/03/24 09:04	06/04/24 10:04	72-54-8	
4,4'-DDE	ND	ug/kg	3.6	1	06/03/24 09:04	06/04/24 10:04	72-55-9	
4,4'-DDT	ND	ug/kg	3.6	1	06/03/24 09:04	06/04/24 10:04	50-29-3	
Dieldrin	ND	ug/kg	3.6	1	06/03/24 09:04	06/04/24 10:04	60-57-1	
Endosulfan I	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	959-98-8	
Endosulfan II	ND	ug/kg	3.6	1	06/03/24 09:04	06/04/24 10:04	33213-65-9	
Endosulfan sulfate	ND	ug/kg	3.6	1	06/03/24 09:04	06/04/24 10:04	1031-07-8	
Endrin	ND	ug/kg	3.6	1	06/03/24 09:04	06/04/24 10:04	72-20-8	
Heptachlor	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	76-44-8	
Heptachlor epoxide	ND	ug/kg	1.8	1	06/03/24 09:04	06/04/24 10:04	1024-57-3	
Methoxychlor	ND	ug/kg	17.9	1	06/03/24 09:04	06/04/24 10:04	72-43-5	
Toxaphene	ND	ug/kg	17.9	1	06/03/24 09:04	06/04/24 10:04	8001-35-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP4 **Lab ID: 70298909004** Collected: 05/21/24 11:35 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8081B GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Surrogates								
Tetrachloro-m-xylene (S)	84	%.	44-102	1	06/03/24 09:04	06/04/24 10:04	877-09-8	
Decachlorobiphenyl (S)	94	%.	41-108	1	06/03/24 09:04	06/04/24 10:04	2051-24-3	
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
PCB-1016 (Aroclor 1016)	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	0.36	1	06/03/24 09:04	06/04/24 22:20	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	0.36	1	06/03/24 09:04	06/04/24 22:20	11096-82-5	
PCB-1262 (Aroclor 1262)	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	37324-23-5	
PCB-1268 (Aroclor 1268)	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	11100-14-4	
PCB, Total	ND	ug/kg	0.18	1	06/03/24 09:04	06/04/24 22:20	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	89	%.	59-94	1	06/03/24 09:04	06/04/24 22:20	877-09-8	
Decachlorobiphenyl (S)	93	%.	73-118	1	06/03/24 09:04	06/04/24 22:20	2051-24-3	
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Acenaphthene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	83-32-9	
Acenaphthylene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	208-96-8	
Acetophenone	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	98-86-2	
Anthracene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	120-12-7	
Atrazine	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	1912-24-9	
Benzaldehyde	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	100-52-7	
Benzo(a)anthracene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	56-55-3	
Benzo(a)pyrene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	207-08-9	
Biphenyl (Diphenyl)	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	101-55-3	
Butylbenzylphthalate	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	85-68-7	
Caprolactam	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	105-60-2	
Carbazole	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	59-50-7	
4-Chloroaniline	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	111-44-4	
2-Chloronaphthalene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	91-58-7	
2-Chlorophenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	7005-72-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP4 **Lab ID: 70298909004** Collected: 05/21/24 11:35 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Chrysene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	53-70-3	
Dibenzofuran	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	120-83-2	
Diethylphthalate	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	105-67-9	L1
Dimethylphthalate	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	131-11-3	
Di-n-butylphthalate	ND	ug/kg	2850	1	06/04/24 10:15	06/04/24 22:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	606-20-2	
Di-n-octylphthalate	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	117-81-7	
Fluoranthene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	206-44-0	
Fluorene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	87-68-3	
Hexachlorobenzene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	77-47-4	L2
Hexachloroethane	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	193-39-5	
Isophorone	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	78-59-1	
2-Methylnaphthalene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	713	1	06/04/24 10:15	06/04/24 22:29		
Naphthalene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	91-20-3	
2-Nitroaniline	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	88-74-4	
3-Nitroaniline	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	99-09-2	
4-Nitroaniline	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	100-01-6	
Nitrobenzene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	98-95-3	
2-Nitrophenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	88-75-5	
4-Nitrophenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	621-64-7	
Pentachlorophenol	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	87-86-5	
Phenanthrene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	85-01-8	
Phenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	108-95-2	
Pyrene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	892	1	06/04/24 10:15	06/04/24 22:29	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	357	1	06/04/24 10:15	06/04/24 22:29	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	84	%.	32-154	1	06/04/24 10:15	06/04/24 22:29	4165-60-0	
2-Fluorobiphenyl (S)	84	%.	50-144	1	06/04/24 10:15	06/04/24 22:29	321-60-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP4 **Lab ID: 70298909004** Collected: 05/21/24 11:35 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Surrogates								
Terphenyl-d14 (S)	86	%.	57-146	1	06/04/24 10:15	06/04/24 22:29	1718-51-0	
Phenol-d6 (S)	87	%.	54-121	1	06/04/24 10:15	06/04/24 22:29	13127-88-3	
2-Fluorophenol (S)	88	%.	57-124	1	06/04/24 10:15	06/04/24 22:29	367-12-4	
2,4,6-Tribromophenol (S)	84	%.	44-127	1	06/04/24 10:15	06/04/24 22:29	118-79-6	
Tentatively Identified Compounds								
Unknown Ketone	**204J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Alkane	**197J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Alkane	**404J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Alkane	**492J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Heptane, 2,5-dimethyl- $	**1690J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29	2216-30-0	N
Unknown Ketone	**394J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Alkane	**845J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Alkane	**3410J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Octane, 4-methyl-	**1280J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29	2216-34-4	N
Octane, 3-methyl-	**1240J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29	2216-33-3	N
Unknown Alkane	**297J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Aldehyde	**742J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Alkane	**608J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Alkane	**732J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Cycloalkane	**380J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Hydrocarbon	**2710J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Unknown Ketone	**390J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29		
Hexadecanoic acid	**225J**	ug/kg		1	06/04/24 10:15	06/04/24 22:29	57-10-3	N
Percent Moisture	Analytical Method: SM 2540G-2015 Pace Analytical Services - Greensburg							
Percent Moisture	**9.1**	%	0.10	1		05/28/24 13:45		

Sample: TP5 **Lab ID: 70298909005** Collected: 05/21/24 12:30 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
PCB-1016 (Aroclor 1016)	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	12674-11-2	ED
PCB-1221 (Aroclor 1221)	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	11104-28-2	ED
PCB-1232 (Aroclor 1232)	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	11141-16-5	ED
PCB-1242 (Aroclor 1242)	ND	ug/kg	365	10	06/10/24 09:07	06/11/24 18:24	53469-21-9	ED
PCB-1248 (Aroclor 1248)	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	12672-29-6	ED
PCB-1254 (Aroclor 1254)	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	11097-69-1	ED
PCB-1260 (Aroclor 1260)	ND	ug/kg	365	10	06/10/24 09:07	06/11/24 18:24	11096-82-5	ED
PCB-1262 (Aroclor 1262)	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	37324-23-5	ED

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP5 **Lab ID: 70298909005** Collected: 05/21/24 12:30 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
PCB-1268 (Aroclor 1268)	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	11100-14-4	ED
PCB, Total	ND	ug/kg	183	10	06/10/24 09:07	06/11/24 18:24	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	93	%.	59-94	10	06/10/24 09:07	06/11/24 18:24	877-09-8	
Decachlorobiphenyl (S)	327	%.	73-118	10	06/10/24 09:07	06/11/24 18:24	2051-24-3	S4
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Acenaphthene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	83-32-9	ED
Acenaphthylene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	208-96-8	ED
Acetophenone	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	98-86-2	ED
Anthracene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	120-12-7	ED
Atrazine	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	1912-24-9	ED
Benzaldehyde	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	100-52-7	ED
Benzo(a)anthracene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	56-55-3	ED
Benzo(a)pyrene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	50-32-8	ED
Benzo(b)fluoranthene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	205-99-2	ED,Ip
Benzo(g,h,i)perylene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	191-24-2	ED
Benzo(k)fluoranthene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	207-08-9	ED,Ip
Biphenyl (Diphenyl)	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	92-52-4	ED
4-Bromophenylphenyl ether	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	101-55-3	ED
Butylbenzylphthalate	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	85-68-7	ED
Caprolactam	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	105-60-2	ED
Carbazole	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	86-74-8	ED
4-Chloro-3-methylphenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	59-50-7	ED
4-Chloroaniline	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	106-47-8	ED
bis(2-Chloroethoxy)methane	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	111-91-1	ED
bis(2-Chloroethyl) ether	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	111-44-4	ED
2-Chloronaphthalene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	91-58-7	ED
2-Chlorophenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	95-57-8	ED
4-Chlorophenylphenyl ether	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	7005-72-3	ED
Chrysene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	218-01-9	ED
Dibenz(a,h)anthracene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	53-70-3	ED
Dibenzofuran	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	132-64-9	ED
3,3'-Dichlorobenzidine	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	91-94-1	ED
2,4-Dichlorophenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	120-83-2	ED
Diethylphthalate	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	84-66-2	ED
2,4-Dimethylphenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	105-67-9	ED,L1
Dimethylphthalate	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	131-11-3	ED
Di-n-butylphthalate	ND	ug/kg	29200	10	06/04/24 10:15	06/07/24 15:46	84-74-2	ED
4,6-Dinitro-2-methylphenol	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	534-52-1	ED
2,4-Dinitrophenol	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	51-28-5	ED
2,4-Dinitrotoluene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	121-14-2	ED
2,6-Dinitrotoluene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	606-20-2	ED
Di-n-octylphthalate	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	117-84-0	ED

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP5 **Lab ID: 70298909005** Collected: 05/21/24 12:30 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	117-81-7	ED
Fluoranthene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	206-44-0	ED
Fluorene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	86-73-7	ED
Hexachloro-1,3-butadiene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	87-68-3	ED
Hexachlorobenzene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	118-74-1	ED
Hexachlorocyclopentadiene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	77-47-4	ED,L2
Hexachloroethane	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	67-72-1	ED
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	193-39-5	ED
Isophorone	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	78-59-1	ED
2-Methylnaphthalene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	91-57-6	ED
2-Methylphenol(o-Cresol)	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	95-48-7	ED
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7300	10	06/04/24 10:15	06/07/24 15:46		ED
Naphthalene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	91-20-3	ED
2-Nitroaniline	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	88-74-4	ED
3-Nitroaniline	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	99-09-2	ED
4-Nitroaniline	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	100-01-6	ED
Nitrobenzene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	98-95-3	ED
2-Nitrophenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	88-75-5	ED
4-Nitrophenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	100-02-7	ED
N-Nitroso-di-n-propylamine	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	621-64-7	ED
Pentachlorophenol	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	87-86-5	ED
Phenanthrene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	85-01-8	ED
Phenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	108-95-2	ED
Pyrene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	129-00-0	ED
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	95-94-3	ED
2,3,4,6-Tetrachlorophenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	58-90-2	ED
2,4,5-Trichlorophenol	ND	ug/kg	9120	10	06/04/24 10:15	06/07/24 15:46	95-95-4	ED
2,4,6-Trichlorophenol	ND	ug/kg	3650	10	06/04/24 10:15	06/07/24 15:46	88-06-2	ED
Surrogates								
Nitrobenzene-d5 (S)	83	%.	32-154	10	06/04/24 10:15	06/07/24 15:46	4165-60-0	
2-Fluorobiphenyl (S)	101	%.	50-144	10	06/04/24 10:15	06/07/24 15:46	321-60-8	
Terphenyl-d14 (S)	101	%.	57-146	10	06/04/24 10:15	06/07/24 15:46	1718-51-0	
Phenol-d6 (S)	93	%.	54-121	10	06/04/24 10:15	06/07/24 15:46	13127-88-3	
2-Fluorophenol (S)	89	%.	57-124	10	06/04/24 10:15	06/07/24 15:46	367-12-4	
2,4,6-Tribromophenol (S)	71	%.	44-127	10	06/04/24 10:15	06/07/24 15:46	118-79-6	
Tentatively Identified Compounds								
Unknown Alkane	**1500J**	ug/kg		10	06/04/24 10:15	06/07/24 15:46		
Unknown Alkane	**2520J**	ug/kg		10	06/04/24 10:15	06/07/24 15:46		
Unknown Ketone	**3590J**	ug/kg		10	06/04/24 10:15	06/07/24 15:46		
Unknown	**5390J**	ug/kg		10	06/04/24 10:15	06/07/24 15:46		
Cyclohexanone, 3,3,5-tri	**2600J**	ug/kg		10	06/04/24 10:15	06/07/24 15:46	873-94-9	N
Percent Moisture	Analytical Method: SM 2540G-2015 Pace Analytical Services - Greensburg							
Percent Moisture	**9.7**	%	0.10	1		05/28/24 13:45		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP6 **Lab ID: 70298909006** Collected: 05/21/24 12:30 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8081B GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Aldrin	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	309-00-2	ED
alpha-BHC	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	319-84-6	ED
beta-BHC	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	319-85-7	ED
gamma-BHC (Lindane)	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	58-89-9	ED
alpha-Chlordane	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	5103-71-9	ED
gamma-Chlordane	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	5103-74-2	ED
4,4'-DDD	ND	ug/kg	39.8	10	06/03/24 09:04	06/04/24 10:27	72-54-8	ED
4,4'-DDE	ND	ug/kg	39.8	10	06/03/24 09:04	06/04/24 10:27	72-55-9	ED
4,4'-DDT	ND	ug/kg	39.8	10	06/03/24 09:04	06/04/24 10:27	50-29-3	CH,ED
Dieldrin	ND	ug/kg	39.8	10	06/03/24 09:04	06/04/24 10:27	60-57-1	ED
Endosulfan I	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	959-98-8	ED
Endosulfan II	ND	ug/kg	39.8	10	06/03/24 09:04	06/04/24 10:27	33213-65-9	ED
Endosulfan sulfate	ND	ug/kg	39.8	10	06/03/24 09:04	06/04/24 10:27	1031-07-8	ED
Endrin	ND	ug/kg	39.8	10	06/03/24 09:04	06/04/24 10:27	72-20-8	ED
Heptachlor	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	76-44-8	ED
Heptachlor epoxide	ND	ug/kg	19.9	10	06/03/24 09:04	06/04/24 10:27	1024-57-3	ED
Methoxychlor	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 10:27	72-43-5	CH,ED
Toxaphene	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 10:27	8001-35-2	ED
Surrogates								
Tetrachloro-m-xylene (S)	98	%.	44-102	10	06/03/24 09:04	06/04/24 10:27	877-09-8	
Decachlorobiphenyl (S)	122	%.	41-108	10	06/03/24 09:04	06/04/24 10:27	2051-24-3	S4
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
PCB-1016 (Aroclor 1016)	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	12674-11-2	ED
PCB-1221 (Aroclor 1221)	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	11104-28-2	ED
PCB-1232 (Aroclor 1232)	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	11141-16-5	ED
PCB-1242 (Aroclor 1242)	ND	ug/kg	398	10	06/03/24 09:04	06/04/24 21:03	53469-21-9	ED
PCB-1248 (Aroclor 1248)	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	12672-29-6	ED
PCB-1254 (Aroclor 1254)	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	11097-69-1	ED
PCB-1260 (Aroclor 1260)	ND	ug/kg	398	10	06/03/24 09:04	06/04/24 21:03	11096-82-5	ED
PCB-1262 (Aroclor 1262)	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	37324-23-5	ED
PCB-1268 (Aroclor 1268)	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	11100-14-4	ED
PCB, Total	ND	ug/kg	199	10	06/03/24 09:04	06/04/24 21:03	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	96	%.	59-94	10	06/03/24 09:04	06/04/24 21:03	877-09-8	S4
Decachlorobiphenyl (S)	103	%.	73-118	10	06/03/24 09:04	06/04/24 21:03	2051-24-3	
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Acenaphthene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	83-32-9	ED
Acenaphthylene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	208-96-8	ED
Acetophenone	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	98-86-2	ED
Anthracene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	120-12-7	ED
Atrazine	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	1912-24-9	ED

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP6 **Lab ID: 70298909006** Collected: 05/21/24 12:30 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Benzaldehyde	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	100-52-7	ED
Benzo(a)anthracene	**6780**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	56-55-3	ED
Benzo(a)pyrene	**5860**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	50-32-8	ED
Benzo(b)fluoranthene	**9690**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	205-99-2	ED,Ip
Benzo(g,h,i)perylene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	191-24-2	ED
Benzo(k)fluoranthene	**9110**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	207-08-9	ED,Ip
Biphenyl (Diphenyl)	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	92-52-4	ED
4-Bromophenylphenyl ether	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	101-55-3	ED
Butylbenzylphthalate	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	85-68-7	ED
Caprolactam	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	105-60-2	ED
Carbazole	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	86-74-8	ED
4-Chloro-3-methylphenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	59-50-7	ED
4-Chloroaniline	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	106-47-8	ED
bis(2-Chloroethoxy)methane	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	111-91-1	ED
bis(2-Chloroethyl) ether	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	111-44-4	ED
2-Chloronaphthalene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	91-58-7	ED
2-Chlorophenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	95-57-8	ED
4-Chlorophenylphenyl ether	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	7005-72-3	ED
Chrysene	**7660**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	218-01-9	ED
Dibenz(a,h)anthracene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	53-70-3	ED
Dibenzofuran	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	132-64-9	ED
3,3'-Dichlorobenzidine	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	91-94-1	ED
2,4-Dichlorophenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	120-83-2	ED
Diethylphthalate	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	84-66-2	ED
2,4-Dimethylphenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	105-67-9	ED,L1
Dimethylphthalate	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	131-11-3	ED
Di-n-butylphthalate	ND	ug/kg	31300	10	06/04/24 10:15	06/07/24 16:08	84-74-2	ED
4,6-Dinitro-2-methylphenol	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	534-52-1	ED
2,4-Dinitrophenol	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	51-28-5	ED
2,4-Dinitrotoluene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	121-14-2	ED
2,6-Dinitrotoluene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	606-20-2	ED
Di-n-octylphthalate	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	117-84-0	ED
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	117-81-7	ED
Fluoranthene	**15700**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	206-44-0	ED
Fluorene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	86-73-7	ED
Hexachloro-1,3-butadiene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	87-68-3	ED
Hexachlorobenzene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	118-74-1	ED
Hexachlorocyclopentadiene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	77-47-4	ED,L2
Hexachloroethane	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	67-72-1	ED
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	193-39-5	ED
Isophorone	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	78-59-1	ED
2-Methylnaphthalene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	91-57-6	ED
2-Methylphenol(o-Cresol)	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	95-48-7	ED
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7830	10	06/04/24 10:15	06/07/24 16:08		ED
Naphthalene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	91-20-3	ED

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP6 **Lab ID: 70298909006** Collected: 05/21/24 12:30 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
2-Nitroaniline	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	88-74-4	ED
3-Nitroaniline	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	99-09-2	ED
4-Nitroaniline	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	100-01-6	ED
Nitrobenzene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	98-95-3	ED
2-Nitrophenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	88-75-5	ED
4-Nitrophenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	100-02-7	ED
N-Nitroso-di-n-propylamine	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	621-64-7	ED
Pentachlorophenol	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	87-86-5	ED
Phenanthrene	**20500**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	85-01-8	ED
Phenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	108-95-2	ED
Pyrene	**14700**	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	129-00-0	ED
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	95-94-3	ED
2,3,4,6-Tetrachlorophenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	58-90-2	ED
2,4,5-Trichlorophenol	ND	ug/kg	9790	10	06/04/24 10:15	06/07/24 16:08	95-95-4	ED
2,4,6-Trichlorophenol	ND	ug/kg	3920	10	06/04/24 10:15	06/07/24 16:08	88-06-2	ED
Surrogates								
Nitrobenzene-d5 (S)	90	%.	32-154	10	06/04/24 10:15	06/07/24 16:08	4165-60-0	
2-Fluorobiphenyl (S)	96	%.	50-144	10	06/04/24 10:15	06/07/24 16:08	321-60-8	
Terphenyl-d14 (S)	101	%.	57-146	10	06/04/24 10:15	06/07/24 16:08	1718-51-0	
Phenol-d6 (S)	88	%.	54-121	10	06/04/24 10:15	06/07/24 16:08	13127-88-3	
2-Fluorophenol (S)	84	%.	57-124	10	06/04/24 10:15	06/07/24 16:08	367-12-4	
2,4,6-Tribromophenol (S)	69	%.	44-127	10	06/04/24 10:15	06/07/24 16:08	118-79-6	
Tentatively Identified Compounds								
Unknown Alkane	**3250J**	ug/kg		10	06/04/24 10:15	06/07/24 16:08		
Unknown Ketone	**3910J**	ug/kg		10	06/04/24 10:15	06/07/24 16:08		
Cyclohexanone, 3,3,5-tri	**5970J**	ug/kg		10	06/04/24 10:15	06/07/24 16:08	873-94-9	N
Unknown Cycloalkane	**2040J**	ug/kg		10	06/04/24 10:15	06/07/24 16:08		
11H-Benzo[b]fluorene $$	**1870J**	ug/kg		10	06/04/24 10:15	06/07/24 16:08	243-17-4	N
Unknown Hydrocarbon	**1920J**	ug/kg		10	06/04/24 10:15	06/07/24 16:08		
Perylene $$ Peri-Dinaph	**3810J**	ug/kg		10	06/04/24 10:15	06/07/24 16:08	198-55-0	N
Percent Moisture	Analytical Method: SM 2540G-2015 Pace Analytical Services - Greensburg							
Percent Moisture	**17.7**	%	0.10	1		05/28/24 13:45		

Sample: TP8 **Lab ID: 70298909007** Collected: 05/21/24 14:00 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
PCB-1016 (Aroclor 1016)	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	11104-28-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP8 **Lab ID: 70298909007** Collected: 05/21/24 14:00 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
PCB-1232 (Aroclor 1232)	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.1	1	06/10/24 09:07	06/11/24 18:33	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.1	1	06/10/24 09:07	06/11/24 18:33	11096-82-5	
PCB-1262 (Aroclor 1262)	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	37324-23-5	
PCB-1268 (Aroclor 1268)	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	11100-14-4	
PCB, Total	ND	ug/kg	18.5	1	06/10/24 09:07	06/11/24 18:33	1336-36-3	
Surrogates								
Tetrachloro-m-xylene (S)	76	%.	59-94	1	06/10/24 09:07	06/11/24 18:33	877-09-8	
Decachlorobiphenyl (S)	100	%.	73-118	1	06/10/24 09:07	06/11/24 18:33	2051-24-3	
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Acenaphthene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	83-32-9	
Acenaphthylene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	208-96-8	
Acetophenone	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	98-86-2	
Anthracene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	120-12-7	
Atrazine	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	1912-24-9	
Benzaldehyde	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	100-52-7	
Benzo(a)anthracene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	56-55-3	
Benzo(a)pyrene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	207-08-9	
Biphenyl (Diphenyl)	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	101-55-3	
Butylbenzylphthalate	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	85-68-7	
Caprolactam	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	105-60-2	
Carbazole	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	59-50-7	
4-Chloroaniline	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	111-44-4	
2-Chloronaphthalene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	91-58-7	
2-Chlorophenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	7005-72-3	
Chrysene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	53-70-3	
Dibenzofuran	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	120-83-2	
Diethylphthalate	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	105-67-9	L1
Dimethylphthalate	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	131-11-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP8 **Lab ID: 70298909007** Collected: 05/21/24 14:00 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Di-n-butylphthalate	ND	ug/kg	2970	1	06/04/24 10:15	06/04/24 22:51	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	606-20-2	
Di-n-octylphthalate	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	117-81-7	
Fluoranthene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	206-44-0	
Fluorene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	87-68-3	
Hexachlorobenzene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	77-47-4	L2
Hexachloroethane	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	193-39-5	
Isophorone	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	78-59-1	
2-Methylnaphthalene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	743	1	06/04/24 10:15	06/04/24 22:51		
Naphthalene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	91-20-3	
2-Nitroaniline	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	88-74-4	
3-Nitroaniline	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	99-09-2	
4-Nitroaniline	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	100-01-6	
Nitrobenzene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	98-95-3	
2-Nitrophenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	88-75-5	
4-Nitrophenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	621-64-7	
Pentachlorophenol	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	87-86-5	
Phenanthrene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	85-01-8	
Phenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	108-95-2	
Pyrene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	930	1	06/04/24 10:15	06/04/24 22:51	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	372	1	06/04/24 10:15	06/04/24 22:51	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	85	%.	32-154	1	06/04/24 10:15	06/04/24 22:51	4165-60-0	
2-Fluorobiphenyl (S)	88	%.	50-144	1	06/04/24 10:15	06/04/24 22:51	321-60-8	
Terphenyl-d14 (S)	85	%.	57-146	1	06/04/24 10:15	06/04/24 22:51	1718-51-0	
Phenol-d6 (S)	90	%.	54-121	1	06/04/24 10:15	06/04/24 22:51	13127-88-3	
2-Fluorophenol (S)	90	%.	57-124	1	06/04/24 10:15	06/04/24 22:51	367-12-4	
2,4,6-Tribromophenol (S)	93	%.	44-127	1	06/04/24 10:15	06/04/24 22:51	118-79-6	
Tentatively Identified Compounds								
Unknown Alkane	**400J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Alkane	**394J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Heptane, 2,5-dimethyl-	**1680J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51	2216-30-0	N

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Sample: TP8 **Lab ID: 70298909007** Collected: 05/21/24 14:00 Received: 05/25/24 11:00 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	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV Microwave	Analytical Method: EPA 8270D Preparation Method: EPA 3546 Pace Analytical Services - Greensburg							
Tentatively Identified Compounds								
Unknown Alkane	**567J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Alkane	**814J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Alkane	**3020J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Octane, 4-methyl-	**1180J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51	2216-34-4	N
Octane, 3-methyl-	**1130J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51	2216-33-3	N
Unknown Aldehyde	**825J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Alkane	**969J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Ketone	**1990J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Hydrocarbon	**3740J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
1,4-Dichlorobenzene-d4	**2310J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51	3855-82-1	N
Unknown Ketone	**714J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Organic Acid	**413J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Alcohol	**443J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Aldehyde	**433J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
n-Hexadecanoic acid	**1040J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51	57-10-3	N
Unknown Alcohol	**913J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Unknown Cycloalkane	**395J**	ug/kg		1	06/04/24 10:15	06/04/24 22:51		
Percent Moisture	Analytical Method: SM 2540G-2015 Pace Analytical Services - Greensburg							
Percent Moisture	**12.0**	%	0.10	1		05/28/24 13:45		

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: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

QC Batch: 672541
QC Batch Method: EPA 3546
Analysis Method: EPA 8081B
Analysis Description: 8081 GCS Pesticides
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 70298909001, 70298909004, 70298909006

METHOD BLANK: 3274502 Matrix: Solid
Associated Lab Samples: 70298909001, 70298909004, 70298909006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/kg	ND	3.3	06/04/24 09:30	
4,4'-DDE	ug/kg	ND	3.3	06/04/24 09:30	
4,4'-DDT	ug/kg	ND	3.3	06/04/24 09:30	
Aldrin	ug/kg	ND	1.7	06/04/24 09:30	
alpha-BHC	ug/kg	ND	1.7	06/04/24 09:30	
alpha-Chlordane	ug/kg	ND	1.7	06/04/24 09:30	
beta-BHC	ug/kg	ND	1.7	06/04/24 09:30	
Dieldrin	ug/kg	ND	3.3	06/04/24 09:30	
Endosulfan I	ug/kg	ND	1.7	06/04/24 09:30	
Endosulfan II	ug/kg	ND	3.3	06/04/24 09:30	
Endosulfan sulfate	ug/kg	ND	3.3	06/04/24 09:30	
Endrin	ug/kg	ND	3.3	06/04/24 09:30	
gamma-BHC (Lindane)	ug/kg	ND	1.7	06/04/24 09:30	
gamma-Chlordane	ug/kg	ND	1.7	06/04/24 09:30	
Heptachlor	ug/kg	ND	1.7	06/04/24 09:30	
Heptachlor epoxide	ug/kg	ND	1.7	06/04/24 09:30	
Methoxychlor	ug/kg	ND	16.6	06/04/24 09:30	
Toxaphene	ug/kg	ND	16.6	06/04/24 09:30	
Decachlorobiphenyl (S)	%.	92	41-108	06/04/24 09:30	
Tetrachloro-m-xylene (S)	%.	77	44-102	06/04/24 09:30	

LABORATORY CONTROL SAMPLE: 3274503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	26.4	15.6	59	53-108	
4,4'-DDE	ug/kg	26.4	23.9	90	57-104	
4,4'-DDT	ug/kg	26.4	26.2	99	53-120	
Aldrin	ug/kg	13.2	11.4	86	55-99	
alpha-BHC	ug/kg	13.2	11.3	86	51-98	
alpha-Chlordane	ug/kg	13.2	11.8	89	54-99	
beta-BHC	ug/kg	13.2	11.2	85	55-99	
Dieldrin	ug/kg	26.4	23.9	91	58-103	
Endosulfan I	ug/kg	13.2	10.7	81	51-94	
Endosulfan II	ug/kg	26.4	22.9	87	55-97	
Endosulfan sulfate	ug/kg	26.4	24.9	94	59-102	
Endrin	ug/kg	26.4	23.9	90	57-104	
gamma-BHC (Lindane)	ug/kg	13.2	11.4	86	54-96	
gamma-Chlordane	ug/kg	13.2	11.6	88	55-99	
Heptachlor	ug/kg	13.2	11.3	85	55-96	

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: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

LABORATORY CONTROL SAMPLE: 3274503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Heptachlor epoxide	ug/kg	13.2	11.0	83	54-96	
Methoxychlor	ug/kg	132	132	100	57-120	
Decachlorobiphenyl (S)	%.			94	41-108	
Tetrachloro-m-xylene (S)	%.			79	44-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3274504 3274505

Parameter	Units	30687973001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/kg	ND	32.9	32.1	17.4	14.9	50	44	31-123	15	25	
4,4'-DDE	ug/kg	ND	32.9	32.1	25.2	24.6	70	70	10-144	2	25	
4,4'-DDT	ug/kg	ND	32.9	32.1	31.5	28.2	89	81	10-175	11	25	
Aldrin	ug/kg	ND	16.5	16	11.6	11.3	68	69	10-175	2	25	
alpha-BHC	ug/kg	ND	16.5	16	12.5	12.5	74	76	24-132	0	25	
alpha-Chlordane	ug/kg	ND	16.5	16	11.7	11.1	67	65	19-134	5	25	
beta-BHC	ug/kg	ND	16.5	16	12.6	13.1	68	73	10-167	4	25	
Dieldrin	ug/kg	ND	32.9	32.1	23.6	22.8	70	70	10-164	4	25	
Endosulfan I	ug/kg	ND	16.5	16	10.1	9.7	59	58	10-169	4	25	
Endosulfan II	ug/kg	ND	32.9	32.1	26.1	25.8	73	74	24-119	1	25	
Endosulfan sulfate	ug/kg	ND	32.9	32.1	27.9	27.3	75	75	17-130	2	25	
Endrin	ug/kg	ND	32.9	32.1	24.6	24.3	72	73	10-171	1	25	
gamma-BHC (Lindane)	ug/kg	ND	16.5	16	12.7	12.4	73	73	10-139	2	25	
gamma-Chlordane	ug/kg	ND	16.5	16	12.8	12.2	76	74	20-134	5	25	
Heptachlor	ug/kg	ND	16.5	16	12.3	12.6	70	74	10-144	2	25	
Heptachlor epoxide	ug/kg	ND	16.5	16	10.8	10.6	61	62	10-153	2	25	
Methoxychlor	ug/kg	ND	165	160	146	150	83	88	10-155	3	25	
Decachlorobiphenyl (S)	%.						80	78	41-108			
Tetrachloro-m-xylene (S)	%.						69	70	44-102			

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: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

QC Batch: 672542
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 70298909001, 70298909004, 70298909006

METHOD BLANK: 3274506 Matrix: Solid
Associated Lab Samples: 70298909001, 70298909004, 70298909006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	16.6	06/04/24 13:44	
PCB-1221 (Aroclor 1221)	ug/kg	ND	16.6	06/04/24 13:44	
PCB-1232 (Aroclor 1232)	ug/kg	ND	16.6	06/04/24 13:44	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.3	06/04/24 13:44	
PCB-1248 (Aroclor 1248)	ug/kg	ND	16.6	06/04/24 13:44	
PCB-1254 (Aroclor 1254)	ug/kg	ND	16.6	06/04/24 13:44	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.3	06/04/24 13:44	
PCB-1262 (Aroclor 1262)	ug/kg	ND	16.6	06/04/24 13:44	
PCB-1268 (Aroclor 1268)	ug/kg	ND	16.6	06/04/24 13:44	
Decachlorobiphenyl (S)	%.	95	73-118	06/04/24 13:44	
Tetrachloro-m-xylene (S)	%.	87	59-94	06/04/24 13:44	

LABORATORY CONTROL SAMPLE: 3274507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	164	136	83	66-108	
PCB-1260 (Aroclor 1260)	ug/kg	164	132	80	57-108	
Decachlorobiphenyl (S)	%.			84	73-118	
Tetrachloro-m-xylene (S)	%.			78	59-94	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3274508 3274509

Parameter	Units	30687021001 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	3890 U	383	381	1950000	2070000	507000	545000	10-175	6	25	E,MH
PCB-1260 (Aroclor 1260)	ug/kg	7780 U	383	381	48300	42800	12600	11300	10-175	12	25	MH
Decachlorobiphenyl (S)	%.						69	80	73-118			S4
Tetrachloro-m-xylene (S)	%.						270	190	59-94			S4

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: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

QC Batch: 674353
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 70298909005, 70298909007

METHOD BLANK: 3283258 Matrix: Solid
Associated Lab Samples: 70298909005, 70298909007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	16.5	06/11/24 16:33	
PCB-1221 (Aroclor 1221)	ug/kg	ND	16.5	06/11/24 16:33	
PCB-1232 (Aroclor 1232)	ug/kg	ND	16.5	06/11/24 16:33	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.9	06/11/24 16:33	
PCB-1248 (Aroclor 1248)	ug/kg	ND	16.5	06/11/24 16:33	
PCB-1254 (Aroclor 1254)	ug/kg	ND	16.5	06/11/24 16:33	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.9	06/11/24 16:33	
PCB-1262 (Aroclor 1262)	ug/kg	ND	16.5	06/11/24 16:33	
PCB-1268 (Aroclor 1268)	ug/kg	ND	16.5	06/11/24 16:33	
Decachlorobiphenyl (S)	%.	92	73-118	06/11/24 16:33	
Tetrachloro-m-xylene (S)	%.	78	59-94	06/11/24 16:33	

LABORATORY CONTROL SAMPLE: 3283259

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	166	136	82	66-108	
PCB-1260 (Aroclor 1260)	ug/kg	166	142	86	57-108	
Decachlorobiphenyl (S)	%.			89	73-118	
Tetrachloro-m-xylene (S)	%.			77	59-94	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3283260 3283261

Parameter	Units	30687805003 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	185 U	189	186	285	265	150	142	10-175	7	25	
PCB-1260 (Aroclor 1260)	ug/kg	1120	189	186	845	840	-146	-152	10-175	1	25	ML
Decachlorobiphenyl (S)	%.						123	120	73-118			S4
Tetrachloro-m-xylene (S)	%.						92	86	59-94			

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: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

QC Batch: 672894 | Analysis Method: EPA 8270D
QC Batch Method: EPA 3546 | Analysis Description: 8270D Solid MSSV Microwave
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 70298909001, 70298909002, 70298909003, 70298909004, 70298909005, 70298909006, 70298909007

METHOD BLANK: 3275861 Matrix: Solid
Associated Lab Samples: 70298909001, 70298909002, 70298909003, 70298909004, 70298909005, 70298909006, 70298909007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	326	06/04/24 16:14	
2,3,4,6-Tetrachlorophenol	ug/kg	ND	326	06/04/24 16:14	
2,4,5-Trichlorophenol	ug/kg	ND	815	06/04/24 16:14	
2,4,6-Trichlorophenol	ug/kg	ND	326	06/04/24 16:14	
2,4-Dichlorophenol	ug/kg	ND	326	06/04/24 16:14	
2,4-Dimethylphenol	ug/kg	ND	326	06/04/24 16:14	
2,4-Dinitrophenol	ug/kg	ND	815	06/04/24 16:14	
2,4-Dinitrotoluene	ug/kg	ND	326	06/04/24 16:14	
2,6-Dinitrotoluene	ug/kg	ND	326	06/04/24 16:14	
2-Chloronaphthalene	ug/kg	ND	326	06/04/24 16:14	
2-Chlorophenol	ug/kg	ND	326	06/04/24 16:14	
2-Methylnaphthalene	ug/kg	ND	326	06/04/24 16:14	
2-Methylphenol(o-Cresol)	ug/kg	ND	326	06/04/24 16:14	
2-Nitroaniline	ug/kg	ND	815	06/04/24 16:14	
2-Nitrophenol	ug/kg	ND	326	06/04/24 16:14	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	651	06/04/24 16:14	
3,3'-Dichlorobenzidine	ug/kg	ND	326	06/04/24 16:14	
3-Nitroaniline	ug/kg	ND	815	06/04/24 16:14	
4,6-Dinitro-2-methylphenol	ug/kg	ND	815	06/04/24 16:14	
4-Bromophenylphenyl ether	ug/kg	ND	326	06/04/24 16:14	
4-Chloro-3-methylphenol	ug/kg	ND	326	06/04/24 16:14	
4-Chloroaniline	ug/kg	ND	326	06/04/24 16:14	
4-Chlorophenylphenyl ether	ug/kg	ND	326	06/04/24 16:14	
4-Nitroaniline	ug/kg	ND	815	06/04/24 16:14	
4-Nitrophenol	ug/kg	ND	326	06/04/24 16:14	
Acenaphthene	ug/kg	ND	326	06/04/24 16:14	
Acenaphthylene	ug/kg	ND	326	06/04/24 16:14	
Acetophenone	ug/kg	ND	326	06/04/24 16:14	
Anthracene	ug/kg	ND	326	06/04/24 16:14	
Atrazine	ug/kg	ND	326	06/04/24 16:14	
Benzaldehyde	ug/kg	ND	326	06/04/24 16:14	
Benzo(a)anthracene	ug/kg	ND	326	06/04/24 16:14	
Benzo(a)pyrene	ug/kg	ND	326	06/04/24 16:14	
Benzo(b)fluoranthene	ug/kg	ND	326	06/04/24 16:14	
Benzo(g,h,i)perylene	ug/kg	ND	326	06/04/24 16:14	
Benzo(k)fluoranthene	ug/kg	ND	326	06/04/24 16:14	
Biphenyl (Diphenyl)	ug/kg	ND	326	06/04/24 16:14	
bis(2-Chloroethoxy)methane	ug/kg	ND	326	06/04/24 16:14	
bis(2-Chloroethyl) ether	ug/kg	ND	326	06/04/24 16:14	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	326	06/04/24 16:14	

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: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

METHOD BLANK: 3275861 Matrix: Solid
Associated Lab Samples: 70298909001, 70298909002, 70298909003, 70298909004, 70298909005, 70298909006, 70298909007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	ND	326	06/04/24 16:14	
Caprolactam	ug/kg	ND	815	06/04/24 16:14	
Carbazole	ug/kg	ND	326	06/04/24 16:14	
Chrysene	ug/kg	ND	326	06/04/24 16:14	
Di-n-butylphthalate	ug/kg	ND	2600	06/04/24 16:14	
Di-n-octylphthalate	ug/kg	ND	326	06/04/24 16:14	
Dibenz(a,h)anthracene	ug/kg	ND	326	06/04/24 16:14	
Dibenzofuran	ug/kg	ND	326	06/04/24 16:14	
Diethylphthalate	ug/kg	ND	326	06/04/24 16:14	
Dimethylphthalate	ug/kg	ND	326	06/04/24 16:14	
Fluoranthene	ug/kg	ND	326	06/04/24 16:14	
Fluorene	ug/kg	ND	326	06/04/24 16:14	
Hexachloro-1,3-butadiene	ug/kg	ND	326	06/04/24 16:14	
Hexachlorobenzene	ug/kg	ND	326	06/04/24 16:14	
Hexachlorocyclopentadiene	ug/kg	ND	326	06/04/24 16:14	
Hexachloroethane	ug/kg	ND	326	06/04/24 16:14	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	326	06/04/24 16:14	
Isophorone	ug/kg	ND	326	06/04/24 16:14	
N-Nitroso-di-n-propylamine	ug/kg	ND	326	06/04/24 16:14	
Naphthalene	ug/kg	ND	326	06/04/24 16:14	
Nitrobenzene	ug/kg	ND	326	06/04/24 16:14	
Pentachlorophenol	ug/kg	ND	815	06/04/24 16:14	
Phenanthrene	ug/kg	ND	326	06/04/24 16:14	
Phenol	ug/kg	ND	326	06/04/24 16:14	
Pyrene	ug/kg	ND	326	06/04/24 16:14	
2.195:Unknown Alkane	ug/kg	217		06/04/24 16:14	
2.248:Heptane, 2,4-dimethyl-	ug/kg	464		06/04/24 16:14	N
2.291:Unknown Alkane	ug/kg	496		06/04/24 16:14	
2.345:Heptane, 2,5-dimethyl-	ug/kg	1850		06/04/24 16:14	N
2.388:Unknown Organic Acid	ug/kg	401		06/04/24 16:14	
2.430:Unknown Alkane	ug/kg	869		06/04/24 16:14	
2.489:Unknown Alkane	ug/kg	3440		06/04/24 16:14	
2.537:Unknown Alkane	ug/kg	1610		06/04/24 16:14	
2.591:Octane, 3-methyl- $$ 3-M	ug/kg	1290		06/04/24 16:14	N
2.676:Unknown Alkane	ug/kg	321		06/04/24 16:14	
2.901:Unknown Aromatic Hydroca	ug/kg	869		06/04/24 16:14	
2.976:Unknown Alcohol	ug/kg	339		06/04/24 16:14	
3.094:Unknown Alkane	ug/kg	722		06/04/24 16:14	
3.345:Unknown Aromatic Hydroca	ug/kg	1910		06/04/24 16:14	
2,4,6-Tribromophenol (S)	%.	90	44-127	06/04/24 16:14	
2-Fluorobiphenyl (S)	%.	95	50-144	06/04/24 16:14	
2-Fluorophenol (S)	%.	102	57-124	06/04/24 16:14	
Nitrobenzene-d5 (S)	%.	93	32-154	06/04/24 16:14	
Phenol-d6 (S)	%.	95	54-121	06/04/24 16:14	
Terphenyl-d14 (S)	%.	110	57-146	06/04/24 16:14	

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: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

LABORATORY CONTROL SAMPLE: 3275862

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	3270	3480	106	36-120	
2,3,4,6-Tetrachlorophenol	ug/kg	3270	3730	114	46-130	
2,4,5-Trichlorophenol	ug/kg	3270	3700	113	64-127	
2,4,6-Trichlorophenol	ug/kg	3270	3930	120	64-129	
2,4-Dichlorophenol	ug/kg	3270	3640	111	63-120	
2,4-Dimethylphenol	ug/kg	3270	4210	129	62-120	L1
2,4-Dinitrophenol	ug/kg	3270	3870	118	43-149	
2,4-Dinitrotoluene	ug/kg	3270	3710	113	63-133	
2,6-Dinitrotoluene	ug/kg	3270	3520	108	62-122	
2-Chloronaphthalene	ug/kg	3270	3390	104	63-117	
2-Chlorophenol	ug/kg	3270	3640	111	64-116	
2-Methylnaphthalene	ug/kg	3270	3420	104	65-111	
2-Methylphenol(o-Cresol)	ug/kg	3270	3720	114	65-121	
2-Nitroaniline	ug/kg	3270	3690	113	65-128	
2-Nitrophenol	ug/kg	3270	3490	107	63-126	
3&4-Methylphenol(m&p Cresol)	ug/kg	6540	7350	112	65-121	E
3,3'-Dichlorobenzidine	ug/kg	3270	2850	87	50-124	
3-Nitroaniline	ug/kg	3270	2650	81	51-120	
4,6-Dinitro-2-methylphenol	ug/kg	3270	3960	121	59-152	
4-Bromophenylphenyl ether	ug/kg	3270	3650	112	63-124	
4-Chloro-3-methylphenol	ug/kg	3270	3830	117	66-126	
4-Chloroaniline	ug/kg	3270	1810	55	46-107	
4-Chlorophenylphenyl ether	ug/kg	3270	3500	107	63-121	
4-Nitroaniline	ug/kg	3270	3750	115	43-162	
4-Nitrophenol	ug/kg	3270	3520	107	56-148	
Acenaphthene	ug/kg	3270	3510	107	64-116	
Acenaphthylene	ug/kg	3270	3550	108	68-117	
Acetophenone	ug/kg	3270	3570	109	34-113	
Anthracene	ug/kg	3270	3430	105	65-120	
Atrazine	ug/kg	3270	885	27	10-158	
Benzaldehyde	ug/kg	3270	534	16	10-69	
Benzo(a)anthracene	ug/kg	3270	3690	113	70-124	
Benzo(a)pyrene	ug/kg	3270	3760	115	69-128	
Benzo(b)fluoranthene	ug/kg	3270	3960	121	60-137	
Benzo(g,h,i)perylene	ug/kg	3270	2710	83	65-132	
Benzo(k)fluoranthene	ug/kg	3270	3940	120	63-125	
Biphenyl (Diphenyl)	ug/kg	3270	3450	105	37-124	
bis(2-Chloroethoxy)methane	ug/kg	3270	3510	107	64-115	
bis(2-Chloroethyl) ether	ug/kg	3270	3240	99	61-117	
bis(2-Ethylhexyl)phthalate	ug/kg	3270	4110	126	65-132	
Butylbenzylphthalate	ug/kg	3270	4100	125	66-135	
Caprolactam	ug/kg	3270	3150	96	44-128	
Carbazole	ug/kg	3270	3090	95	65-117	
Chrysene	ug/kg	3270	3580	109	69-118	
Di-n-butylphthalate	ug/kg	3270	3850	118	54-142	
Di-n-octylphthalate	ug/kg	3270	3970	121	59-144	
Dibenz(a,h)anthracene	ug/kg	3270	3130	96	65-138	

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: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

LABORATORY CONTROL SAMPLE: 3275862

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenzofuran	ug/kg	3270	3500	107	65-117	
Diethylphthalate	ug/kg	3270	3680	112	62-124	
Dimethylphthalate	ug/kg	3270	3390	104	61-122	
Fluoranthene	ug/kg	3270	3650	112	67-124	
Fluorene	ug/kg	3270	3520	108	67-119	
Hexachloro-1,3-butadiene	ug/kg	3270	3310	101	61-113	
Hexachlorobenzene	ug/kg	3270	3890	119	63-124	
Hexachlorocyclopentadiene	ug/kg	3270	663	20	62-129	L2
Hexachloroethane	ug/kg	3270	3140	96	63-109	
Indeno(1,2,3-cd)pyrene	ug/kg	3270	2980	91	63-134	
Isophorone	ug/kg	3270	2650	81	64-115	
N-Nitroso-di-n-propylamine	ug/kg	3270	3630	111	62-119	
Naphthalene	ug/kg	3270	3320	101	66-112	
Nitrobenzene	ug/kg	3270	3340	102	63-114	
Pentachlorophenol	ug/kg	3270	3830	117	67-157	
Phenanthrene	ug/kg	3270	3740	114	67-122	
Phenol	ug/kg	3270	3760	115	64-123	
Pyrene	ug/kg	3270	3970	121	66-123	
2,4,6-Tribromophenol (S)	%.			101	44-127	
2-Fluorobiphenyl (S)	%.			92	50-144	
2-Fluorophenol (S)	%.			95	57-124	
Nitrobenzene-d5 (S)	%.			91	32-154	
Phenol-d6 (S)	%.			95	54-121	
Terphenyl-d14 (S)	%.			95	57-146	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3275863 3275864

Parameter	Units	30686952001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	4050	4100	4250	4280	105	104	25-117	1	25	
2,3,4,6-Tetrachlorophenol	ug/kg	ND	4050	4100	4550	4630	112	113	10-162	2	25	
2,4,5-Trichlorophenol	ug/kg	ND	4050	4100	4390	4570	109	111	42-139	4	25	
2,4,6-Trichlorophenol	ug/kg	ND	4050	4100	4920	4830	122	118	30-156	2	25	
2,4-Dichlorophenol	ug/kg	ND	4050	4100	4300	4520	106	110	50-127	5	25	
2,4-Dimethylphenol	ug/kg	ND	4050	4100	4320	4270	107	104	47-128	1	25	
2,4-Dinitrophenol	ug/kg	ND	4050	4100	4450	4000	110	97	10-175	11	25	
2,4-Dinitrotoluene	ug/kg	ND	4050	4100	4430	4500	109	110	48-135	2	25	
2,6-Dinitrotoluene	ug/kg	ND	4050	4100	4170	4340	103	106	54-122	4	25	
2-Chloronaphthalene	ug/kg	ND	4050	4100	4150	4200	102	102	48-135	1	25	
2-Chlorophenol	ug/kg	ND	4050	4100	4140	4230	102	103	54-128	2	25	
2-Methylnaphthalene	ug/kg	ND	4050	4100	4160	4440	103	108	54-121	6	25	
2-Methylphenol(o-Cresol)	ug/kg	ND	4050	4100	4410	4560	109	111	56-129	3	25	
2-Nitroaniline	ug/kg	ND	4050	4100	4430	4430	109	108	53-133	0	25	
2-Nitrophenol	ug/kg	ND	4050	4100	4190	4400	103	107	31-146	5	25	

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: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3275863 3275864

Parameter	Units	30686952001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	8100	8200	8600	8860	106	108	58-128	3	25	E
3,3'-Dichlorobenzidine	ug/kg	ND	4050	4100	1560	1090	39	27	10-159	36	25	R1
3-Nitroaniline	ug/kg	ND	4050	4100	2790	3050	69	74	42-121	9	25	
4,6-Dinitro-2-methylphenol	ug/kg	ND	4050	4100	4520	4460	112	109	10-175	1	25	
4-Bromophenylphenyl ether	ug/kg	ND	4050	4100	4310	4470	106	109	57-130	4	25	
4-Chloro-3-methylphenol	ug/kg	ND	4050	4100	4570	4840	113	118	58-132	6	25	
4-Chloroaniline	ug/kg	ND	4050	4100	1420	1400	35	34	28-112	1	25	
4-Chlorophenylphenyl ether	ug/kg	ND	4050	4100	4230	4280	104	104	56-129	1	25	
4-Nitroaniline	ug/kg	ND	4050	4100	3880	4520	96	110	28-175	15	25	
4-Nitrophenol	ug/kg	ND	4050	4100	4070	3900	100	95	14-164	4	25	
Acenaphthene	ug/kg	ND	4050	4100	4310	4350	107	106	53-133	1	25	
Acenaphthylene	ug/kg	ND	4050	4100	4340	4340	107	106	53-133	0	25	
Acetophenone	ug/kg	ND	4050	4100	4470	4720	110	115	23-109	5	25	MH
Anthracene	ug/kg	ND	4050	4100	4040	4180	100	102	50-133	4	25	
Atrazine	ug/kg	ND	4050	4100	1030	1110	25	27	10-145	8	25	
Benzaldehyde	ug/kg	ND	4050	4100	3470	3410	86	83	10-74	2	25	MH
Benzo(a)anthracene	ug/kg	ND	4050	4100	4330	4580	107	112	42-149	6	25	
Benzo(a)pyrene	ug/kg	ND	4050	4100	4580	4780	113	116	55-133	4	25	
Benzo(b)fluoranthene	ug/kg	ND	4050	4100	5310	5780	131	141	51-144	8	25	
Benzo(g,h,i)perylene	ug/kg	ND	4050	4100	2580	2280	64	55	10-147	13	25	
Benzo(k)fluoranthene	ug/kg	ND	4050	4100	5160	5360	127	131	43-147	4	25	
Biphenyl (Diphenyl)	ug/kg	ND	4050	4100	4270	4240	106	103	10-151	1	25	
bis(2-Chloroethoxy)methane	ug/kg	ND	4050	4100	4200	4360	104	106	57-124	4	25	
bis(2-Chloroethyl) ether	ug/kg	ND	4050	4100	3930	4010	97	98	61-117	2	25	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	4050	4100	4660	5080	114	122	56-149	9	25	
Butylbenzylphthalate	ug/kg	ND	4050	4100	4780	5080	118	124	60-149	6	25	
Caprolactam	ug/kg	ND	4050	4100	3800	3990	94	97	24-145	5	25	
Carbazole	ug/kg	ND	4050	4100	3810	4070	94	99	53-130	7	25	
Chrysene	ug/kg	ND	4050	4100	4180	4540	103	111	36-149	8	25	
Di-n-butylphthalate	ug/kg	ND	4050	4100	4580	4810	113	117	56-138	5	25	
Di-n-octylphthalate	ug/kg	ND	4050	4100	6570	8050	162	196	36-175	20	25	MH
Dibenz(a,h)anthracene	ug/kg	ND	4050	4100	2980	2710	74	66	21-142	10	25	
Dibenzofuran	ug/kg	ND	4050	4100	4290	4360	106	106	54-131	2	25	
Diethylphthalate	ug/kg	ND	4050	4100	4430	4520	109	110	56-130	2	25	
Dimethylphthalate	ug/kg	ND	4050	4100	3950	3990	97	97	54-131	1	25	
Fluoranthene	ug/kg	ND	4050	4100	4440	4730	110	115	17-174	6	25	
Fluorene	ug/kg	ND	4050	4100	4210	4270	104	104	54-135	1	25	
Hexachloro-1,3-butadiene	ug/kg	ND	4050	4100	3970	4260	98	104	51-126	7	25	
Hexachlorobenzene	ug/kg	ND	4050	4100	4650	4960	115	121	55-131	7	25	
Hexachlorocyclopentadiene	ug/kg	ND	4050	4100	735	698	18	17	10-155	5	25	
Hexachloroethane	ug/kg	ND	4050	4100	3840	4170	95	102	50-120	8	25	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	4050	4100	2890	2640	71	64	20-139	9	25	
Isophorone	ug/kg	ND	4050	4100	3150	3320	78	81	57-119	5	25	
N-Nitroso-di-n-propylamine	ug/kg	ND	4050	4100	4490	4710	111	115	61-122	5	25	

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: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3275863 3275864

Parameter	Units	30686952001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Naphthalene	ug/kg	ND	4050	4100	3990	4240	98	103	50-133	6	25	
Nitrobenzene	ug/kg	ND	4050	4100	4010	4140	99	101	59-118	3	25	
Pentachlorophenol	ug/kg	ND	4050	4100	4770	5110	118	124	16-175	7	25	
Phenanthrene	ug/kg	ND	4050	4100	4460	4660	110	114	25-161	4	25	
Phenol	ug/kg	ND	4050	4100	4440	4630	110	113	60-125	4	25	
Pyrene	ug/kg	ND	4050	4100	4200	4680	104	114	13-173	11	25	
2,4,6-Tribromophenol (S)	%.						91	93	44-127			
2-Fluorobiphenyl (S)	%.						90	88	50-144			
2-Fluorophenol (S)	%.						91	91	57-124			
Nitrobenzene-d5 (S)	%.						86	87	32-154			
Phenol-d6 (S)	%.						91	92	54-121			
Terphenyl-d14 (S)	%.						88	93	57-146			

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: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

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.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
ED	Due to the extract's physical characteristics, the analysis was performed at dilution.
Ip	Benzo(b)fluoranthene and benzo(k)fluoranthene were separated in the check standard but did not meet the resolution criteria specified in the test method. Sample results included are reported as individual isomers, but the lab and the client must recognize them as an isomeric pair.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
N	The reported TIC has an 85% or higher match on a mass spectral library search.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 70298909 / Envirospec Engineer
Pace Project No.: 30687208

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70298909001	**TP1**	EPA 3546	672541	EPA 8081B	672861
70298909004	**TP4**	EPA 3546	672541	EPA 8081B	672861
70298909006	**TP6**	EPA 3546	672541	EPA 8081B	672861
70298909001	**TP1**	EPA 3546	672542	EPA 8082A	672862
70298909004	**TP4**	EPA 3546	672542	EPA 8082A	672862
70298909005	**TP5**	EPA 3546	674353	EPA 8082A	674572
70298909006	**TP6**	EPA 3546	672542	EPA 8082A	672862
70298909007	**TP8**	EPA 3546	674353	EPA 8082A	674572
70298909001	**TP1**	EPA 3546	672894	EPA 8270D	673172
70298909002	**TP2**	EPA 3546	672894	EPA 8270D	673172
70298909003	**TP3**	EPA 3546	672894	EPA 8270D	673172
70298909004	**TP4**	EPA 3546	672894	EPA 8270D	673172
70298909005	**TP5**	EPA 3546	672894	EPA 8270D	673172
70298909006	**TP6**	EPA 3546	672894	EPA 8270D	673172
70298909007	**TP8**	EPA 3546	672894	EPA 8270D	673172
70298909001	**TP1**	SM 2540G-2015			
70298909002	**TP2**	SM 2540G-2015			
70298909003	**TP3**	SM 2540G-2015			
70298909004	**TP4**	SM 2540G-2015			
70298909005	**TP5**	SM 2540G-2015			
70298909006	**TP6**	SM 2540G-2015			
70298909007	**TP8**	SM 2540G-2015			

REPORT OF LABORATORY ANALYSIS

Internal Transfer Chain of Custody

☐ Rush Multiplier____X

☐ Samples Pre-Logged into eCOC

Workorder: 70298909 **Workorder Name:** WILLIAMS ROAD PHASE II 5/21

Cert. Needed: ☒ Yes ☐ No

Owner Received Date: 5/23/2024 **Results Requested By:** 6/7/2024

Report To	Subcontract To
Daniel H. Bonitto Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone 516-370-6000	Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3, & 4 Greensburg, PA 15601 Phone (724)850-5600

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Requested Analysis: 8081	8082	8270									LAB USE ONLY
1	TP1	PS	5/21/2024 09:45	70298909001	Solid	1						X	X	X									001
2	TP2	PS	5/21/2024 09:45	70298909002	Solid	1								X									002
3	TP3	PS	5/21/2024 14:20	70298909003	Solid	1								X									003
4	TP4	PS	5/21/2024 11:35	70298909004	Solid	1						X	X	X									004
5	TP5	PS	5/21/2024 12:30	70298909005	Solid	1							X	X									005
6	TP6	PS	5/21/2024 13:20	70298909006	Solid	1						X	X	X									006
7	TP8	PS	5/21/2024 14:00	70298909007	Solid	1							X	X									007

Transfers	Released By	Date/Time	Received By	Date/Time
1	Byck PXC	5/24/24, 18:2	Evan Laughlin	5/25/24 1100
2				
3				

Comments

Cooler Temperature on Receipt 3.3 °C | Custody Seal Y or (N) | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

WO# : 30687208

30687208

WO# : 30687208

PM: CMC **Due Date: 06/11/24**

CLIENT: PACE_70_MENY

WO# : 70298909

70298909

EL 5/25/24

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

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

Company Name: Envirospec Engineering PLLC	Contact/Report To: Joseph Braun
Street Address: 349 Northern Blvd Ste. 3 Albany NY12204	Phone #: 860-690-0534
	E-Mail: jbraun@envirospeceng.com
	Cc E-Mail: slabrecque@envirospeceng.com
Customer Project #: E24-4216	Invoice to: Gianna Aiezza
Project Name: Williams Road Phase II	Invoice E-mail: jbraun@envirospeceng.com
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): New York

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

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

Analysis:

Specify Container Size **: 5 5 EnCore 5

Identify Container Preservative Type***: 1 1 5035 1 1

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested: 8082 (PCBs); 8270 (SVOCs); 8260 (VOCs); 5010 & 7471 (Mitigs & Mercury); 8081 (Pesticides)

Lab Use Only: Proj. Mgr: / Acct.Num / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Sample Comment
TP1	SL	G	5/21	09:45						
TP2	SL	G	5/21	10:35						
TP3	SL	G	5/21	14:30						
TP4	SL	G	5/21	11:35						
TP5	SL	G	5/21	12:30						
TP6	SL	G	5/21	13:20						
TP8	SL	G	5/21	14:00						

Additional Instructions from Pace®:
For Melville Lab
VOC 8260 including MTBE
Lab Filtering for water samples.

Collected By:
Printed Name
Signature
5/21/24

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: 1 Thermometer ID: TH211 Correction Factor (°C): -0.1 Obs. Temp. (°C): 1.4 Corrected Temp (°C): 1.3 Ice: [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Envirospec	16:45	PACE	5/21/24 1645	
PACE	5/21/24 1700			Delivered by: [ ] In-Person [ ] Courier
	5/21/24		5/21/24 2210	[ ] FedEX [ ] UPS [ ] Other
165	5/22 FSA		5/23/24 7:15	Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

DC#_Title: Excel Form Template
Effective Date:

WO#: 70298909

PM: DHB **Due Date: 06/06/24**
CLIENT: Envirospec

Client Name: Envirospec Engn Project #

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No Temperature Blank Present: ☐ Yes ☑ No
Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☑ Ziplo ☐ None ☐ Other Type of Ice: ☑ Wet ☐ Blue ☐ None

Thermometer Used: IR211 Correction Factor: -0.1 ☐ Samples on ice, cooling process has begun
Cooler Temperature(°C): 1.4 Cooler Temperature Corrected(°C): 1.3 Date/Time 5035A kits placed in freezer
Temp should be above freezing to 6 0°C

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples originate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: SH 5/22/24

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: SL WT OIL OTHER	☑Yes	☐No		12.

SL=123

Date and Initials of person checking preservation: SH 5/24/24

All containers needing preservation have been	☐Yes	☐No	☑N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☐Yes	☐No	☑N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sul	☐Yes	☐No	☑N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm):	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	16.
Trip Blank Present:	☐Yes	☐No	☑N/A	17.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: Date/Time:
Comments/ Resolution:

WO#: 30687208

PM: CMC **Due Date: 06/11/24**
CLIENT: PACE_70_MENY

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

DC#_Title: ENV-FRM-GBUR-0088 v07_Sample [illegible] Upon Receipt-Greensburg

Effective Date: 01/04/2024

WO# : 30687208

PM: CMC Due Date: 06/11/24

CLIENT: PACE_70_MENY

Client Name: Pace - Melville, NY

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 7057 1747 0562

Initial / Date	
Examined By:	EL 5/25/24
Labeled By:	EL 5/25/24
Temped By:	EL 5/25/24

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals Intact:** ☐ Yes ☑ No

Thermometer Used: 19 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 3.7 °C Correction Factor: -0.4 °C Final Temp: 3.3 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# —	D.P.D. Residual Chlorine Lot # —
Chain of Custody Present	✓			1.	
Chain of Custody Filled Out:	✓			2.	
-Were client corrections present on COC		✓			
Chain of Custody Relinquished	✓			3.	
Sampler Name & Signature on COC:		✓		4.	
Sample Labels match COC:	✓			5.	
-Includes date/time/ID Matrix: SL					
Samples Arrived within Hold Time:	✓			6.	
Short Hold Time Analysis (<72hr remaining):		✓		7.	
Rush Turn Around Time Requested:		✓		8.	
Sufficient Volume:	✓			9.	
Correct Containers Used:	✓			10.	
-Pace Containers Used	✓				
Containers Intact:	✓			11.	
Orthophosphate field filtered:			✓	12.	
Hex Cr Aqueous samples field filtered:			✓	13.	
Organic Samples checked for dichlorination			✓	14:	
Filtered volume received for dissolved tests:			✓	15:	
All containers checked for preservation:			✓	16.	
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix					
All containers meet method preservation requirements:	✓			Initial when completed EL	Date/Time of Preservation
				Lot# of added Preservative	
8260C/D: Headspace in VOA Vials (> 6mm)			✓	17.	
624.1: Headspace in VOA Vials (0mm)			✓	18.	
Radon: Headspace in RAD Vials (0mm)			✓	19.	
Trip Blank Present:			✓	Trip blank custody seal present? YES or NO	
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed EL	Date: 5/25/24 Survey Meter SN: 25014380

Comments:

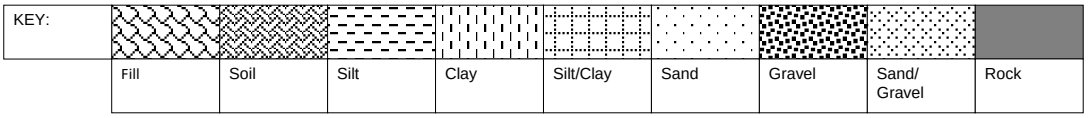
Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

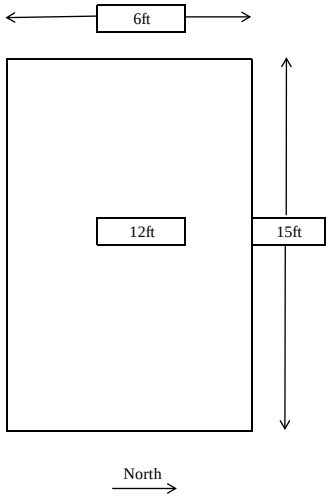
APPENDIX D
Test Pit Logs

Test Pit No.: TP6- trees jut out

Sample ID:	Depth (ft. bgs)/ Water Depth	Graphic Log	DESCRIPTIVE LOG (color, grain size and amount, texture, moisture) (and = 30-50%; some = 20-30%; little = 10-20%; trace = 1-10%)	Initial PID Readings	Headspace PID Reading
	0		sandy silt, small rocks, small pieces of brick		
	1		sandy silt, small rocks, small pieces of brick		
	2		sandy silt, small rocks, small pieces of brick		
	3		sandy silt, small rocks, small pieces of brick		
	4		concrete pieces and wood and metal		
	5		concrete pieces and wood and metal	0.0	2.0
TP6	6		concrete pieces and wood and metal		
	7		debris (plastic, metal, wood) and concrete, dark grey clay		
	8		debris (plastic, metal, wood) and concrete, dark grey clay		
	9		debris (plastic, metal, wood) and concrete, dark grey clay		
	10		debris (plastic, metal, wood) and concrete, dark grey clay		
	11		debris (plastic, metal, wood) and concrete, dark grey clay		
	12		ended at 12'	0.0	0.8
	13				
	15				
	16				
	17				
	18				
	19				
	20				



Miscellaneous Notes:



Depth to Water: N/A (as determined from open excavation)

Soil Analytical testing completed:

full set of soil samples (SVOCs, VOCs, PCBs, and Metals) including pesticides collected at 13:20

Groundwater Analytical Testing completed:

NA

Contractor:

Equipment: excavator, sample bottles, PID

DATE:	Tuesday, May 21, 2024	**LOCATION: Williams Road**	
LOGGED BY:	SW	**TEST PIT LOG**	
TEST PIT LOCATION:	TP6		
envirospec ENGINEERING, PLLC	349 Northern Blvd, STE 3 Albany, NY 12204 Phone: 518.453.2203 Fax: 518.453.2204 www.envirospeceng.com	**CLIENT: Hart Engineering**	**PROJECT No.:** E24-4216 **PROJECT MGR:** Gianna Aiezza

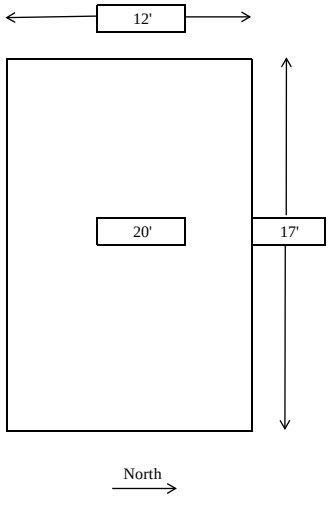
Test Pit No.: **TP1 garage**

Sample ID:	Depth (ft. bgs)/ Water Depth	Graphic Log	DESCRIPTIVE LOG (color, grain size and amount, texture, moisture) (and = 30-50%; some = 20-30%; little = 10-20%; trace = 1-10%)	Initial PID Readings	Headspace PID Reading
	0		silt, very rocky		
	1		silt, very rocky		
	2		silt, very rocky		
	3		silt, very rocky		
	4		silt, very rocky		
	5		silt, very rocky		
	6		silt, very rocky		
	7		silt, very rocky		
	8		silt, very rocky		
	9		silt, very rocky		
	10		silt, very rocky	0 ppm	
	11		silt, very rocky		
	12		silt, very rocky		
	13		silt, very rocky		
	15		silt/clay, slightly damp	0 ppm	
	16		silt/clay, slightly damp		
	17		silt/clay, slightly damp		
	18		silt/clay, slightly damp		
	19		silt/clay, slightly damp		
TP1	20		ended at 20'	0 ppm	1.4 ppm

KEY:

Fill	Soil	Silt	Clay	Silt/Clay	Sand	Gravel	Sand/ Gravel	Rock

Miscellaneous Notes:



Depth to Water: N/A (as determined from open excavation)

Soil Analytical testing completed:
SVOCs, VOCs, PCBs, Metals, and Pesticide samples taken at 9:45 AM

Groundwater Analytical Testing completed:
NA

Contractor: N/A
Equipment: Excavator, sample bottles, PID

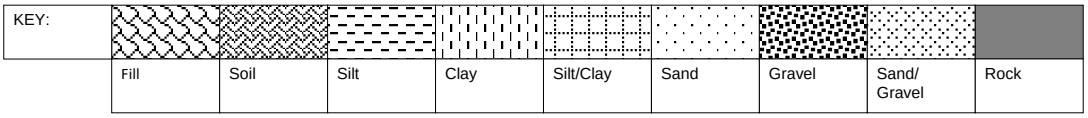
DATE:	Tuesday, May 21, 2024	**LOCATION: Williams Road**	
LOGGED BY:	AP	**TEST PIT LOG**	
TEST PIT LOCATION:	TP1		

envirospec ENGINEERING PLLC
349 Northern Blvd, STE 3
Albany, NY 12204
Phone: 518.453.2203
Fax: 518.453.2204
www.envirospeceng.com

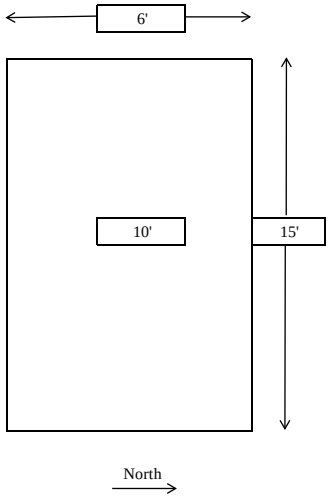
CLIENT: Hart Engineering	**PROJECT No.:**	**E24-4216**
	PROJECT MGR:	Gianna Aiezza

Test Pit No.: **TP2 garage**

Sample ID:	Depth (ft. bgs)/ Water Depth	Graphic Log	DESCRIPTIVE LOG (color, grain size and amount, texture, moisture) (and = 30-50%; some = 20-30%; little = 10-20%; trace = 1-10%)	Initial PID Readings	Headspace PID Reading
	0		silt/gravel, small rocks		
	1		silt/gravel, small rocks	0 ppm	
	2		silt/gravel, small rocks		
	3		silt/gravel, small rocks		
	4		silt/gravel, small rocks		
	5		silt/gravel, small rocks		
	6		silt/gravel, small rocks		
	7		silt/gravel, small rocks		
	8		gray gravel/sand		
	9		gray gravel/sand	0 ppm	west wall: 0.7 ppm
TP2	10		ended at 10'		bottom: 1.5 ppm
	11				
	12				
	13				
	15				
	16				
	17				
	18				
	19				
	20				



Miscellaneous Notes:



Depth to Water: N/A (as determined from open excavation)

Soil Analytical testing completed:
SVOCs and VOCs samples taken at 10:26 AM

Groundwater Analytical Testing completed:
NA

Contractor: N/A
Equipment: Excavator, sample bottles, PID

DATE:	Tuesday, May 21, 2024	**LOCATION: Williams Road**	
LOGGED BY:	AP	**TEST PIT LOG**	
TEST PIT LOCATION:	TP2		
envirospec ENGINEERING, PLLC	349 Northern Blvd, STE 3 Albany, NY 12204 Phone: 518.453.2203 Fax: 518.453.2204 www.envirospeceng.com	**CLIENT: Hart Engineering**	**PROJECT No.:** E24-4216 **PROJECT MGR:** Gianna Aiezza

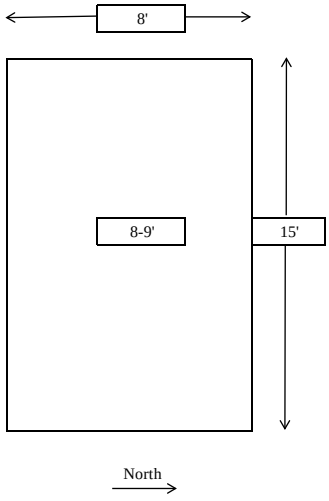
Test Pit No.: **TP3 drums**

Sample ID:	Depth (ft. bgs)/ Water Depth	Graphic Log	DESCRIPTIVE LOG (color, grain size and amount, texture, moisture) (and = 30-50%; some = 20-30%; little = 10-20%; trace = 1-10%)	Initial PID Readings	Headspace PID Reading
	0		silt/gravel		
	1		silt/gravel		
	2		silt/gravel		
	3		silt/gravel		
	4		silt/gravel		
	5		silt/gravel, large rocks		
	6		silt/gravel, large rocks		
	7		silt/gravel, large rocks		
	8		silt/gravel, large rocks		
TP-03	9		ended at 9'		
	10				
	11				
	12				
	13				
	15				
	16				
	17				
	18				
	19				
	20				

KEY:

Fill	Soil	Silt	Clay	Silt/Clay	Sand	Gravel	Sand/ Gravel	Rock

Miscellaneous Notes:



Depth to Water: N/A (as determined from open excavation)

Soil Analytical testing completed:
SVOCs, VOCs, and Metals from extractor bucket, samples taken at 14:40

Groundwater Analytical Testing completed:
NA

Contractor: N/A
Equipment: Exacavator, sample bottles, PID

No headspace taken
No indication of metal dumping or drums

DATE:	Tuesday, May 21, 2024	**LOCATION: Williams Road**	
LOGGED BY:	AP	**TEST PIT LOG**	
TEST PIT LOCATION:	TP3		
envirospec ENGINEERING PLLC	349 Northern Blvd, STE 3 Albany, NY 12204 Phone: 518.453.2203 Fax: 518.453.2204 www.envirospeceng.com	**CLIENT: Hart Engineering**	**PROJECT No.:** E24-4216 **PROJECT MGR:** Gianna Aiezza

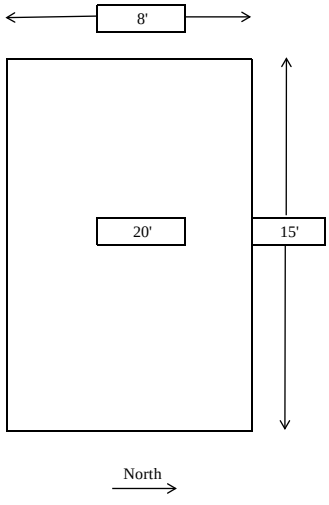
Test Pit No.: TP4 middle field

Sample ID:	Depth (ft. bgs)/ Water Depth	Graphic Log	DESCRIPTIVE LOG (color, grain size and amount, texture, moisture) (and = 30-50%; some = 20-30%; little = 10-20%; trace = 1-10%)	Initial PID Readings	Headspace PID Reading
	0		dark brown soil, silt/gravel		
	1		dark brown soil, silt/gravel		
	2		dark brown soil, silt/gravel		
	3		dark brown soil, silt/gravel		
	4		dark brown soil, silt/gravel		
	5		dark brown soil, silt/gravel, some brick		
	6		dark brown soil, silt/gravel	0 ppm	1.1 ppm
	7		dark brown soil, silt/gravel		
	8		dark brown soil, silt/gravel		
	9		dark brown soil, silt/gravel		
TP4	10		dark brown soil, silt/gravel, river rocks (big)	0 ppm	0.9 ppm
	11		dark brown soil, silt/gravel		
	12		dark brown soil, silt/gravel		
	13		dark brown soil, silt/gravel		
	15		dark brown soil, silt/gravel		
	16		dark brown soil, silt/gravel		
	17		dark brown soil, silt/gravel		
	18		dark brown soil, silt/gravel		
	19		dark brown soil, silt/gravel, very rocky	0 ppm	
	20		ended at 20'		

KEY:

Fill	Soil	Silt	Clay	Silt/Clay	Sand	Gravel	Sand/ Gravel	Rock

Miscellaneous Notes:



Depth to Water: N/A (as determined from open excavation)

Soil Analytical testing completed:
SVOCs, VOCs, PCBs, Metals, and Pesticide samples taken at 11:45 AM

Groundwater Analytical Testing completed:
NA

Contractor: N/A
Equipment: Exacavator, sample bottles, PID

DATE:	Tuesday, May 21, 2024	**LOCATION: Williams Road**	
LOGGED BY:	AP	**TEST PIT LOG**	
TEST PIT LOCATION:	TP4		
envirospec ENGINEERING, PLLC	349 Northern Blvd, STE 3 Albany, NY 12204 Phone: 518.453.2203 Fax: 518.453.2204 www.envirospeceng.com	**CLIENT: Hart Engineering**	**PROJECT No.:** E24-4216
			PROJECT MGR: Gianna Aiezza

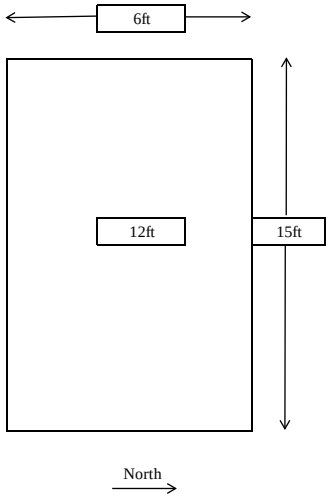
Test Pit No.: TP5 Way back

Sample ID:	Depth (ft. bgs)/ Water Depth	Graphic Log	DESCRIPTIVE LOG (color, grain size and amount, texture, moisture) (and = 30-50%; some = 20-30%; little = 10-20%; trace = 1-10%)	Initial PID Readings	Headspace PID Reading
	0		sandy/ silt, small rocks		
	1		sandy/ silt, small rocks		
	2		sandy/ silt, small rocks		
	3		asphalt material, concrete pieces		
	4		asphalt material, concrete pieces		
	5		asphalt material, concrete pieces	0.1	60.3
TP5	6		asphalt material, concrete pieces		
	7		large concrete material, clay		
	8		large concrete material, clay		
	9		large concrete material, clay		
	10		large concrete material, clay		
	11		large concrete material, clay		
	12		ended at 12'	0.1	8.2
	13				
	15				
	16				
	17				
	18				
	19				
	20				

KEY:

Fill	Soil	Silt	Clay	Silt/Clay	Sand	Gravel	Sand/ Gravel	Rock

Miscellaneous Notes:



Depth to Water: N/A (as determined from open excavation)

Soil Analytical testing completed:
soil samples (SVOCs, VOCs, PCBs, and Metals) w/o pesticides collected at 12:30

Groundwater Analytical Testing completed:
NA

Contractor:

Equipment: excavator, sample bottles, PID

DATE:	Tuesday, May 21, 2024	**LOCATION: Williams Road**	
LOGGED BY:	SW	**TEST PIT LOG**	
TEST PIT LOCATION:	TP5		
envirospec ENGINEERING PLLC	349 Northern Blvd, STE 3 Albany, NY 12204 Phone: 518.453.2203 Fax: 518.453.2204 www.envirospeceng.com	**CLIENT: Hart Engineering**	**PROJECT No.:** E24-4216 **PROJECT MGR:** Gianna Aiezza

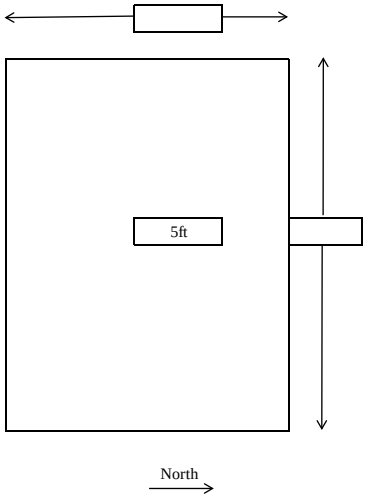
Test Pit No.: TP7 ~5 ft towards bac

Sample ID:	Depth (ft. bgs)/ Water Depth	Graphic Log	DESCRIPTIVE LOG (color, grain size and amount, texture, moisture) (and = 30-50%; some = 20-30%; little = 10-20%; trace = 1-10%)	Initial PID Readings	Headspace PID Reading
	0		sandy silt, bricks and concrete and small rocks		
	1		sandy silt, bricks and concrete and small rocks		
	2		sandy silt, bricks and concrete and small rocks		
TP7	3		sandy silt, bricks and concrete and small rocks		
	4		dark grey material		
	5		ended at 5'	0.0	1.6
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	15				
	16				
	17				
	18				
	19				
	20				

KEY:

Fill	Soil	Silt	Clay	Silt/Clay	Sand	Gravel	Sand/ Gravel	Rock

Miscellaneous Notes:



Depth to Water: N?A (as determined from open excavation)

Soil Analytical testing completed:
no soil samples taken

Groundwater Analytical Testing completed:
NA

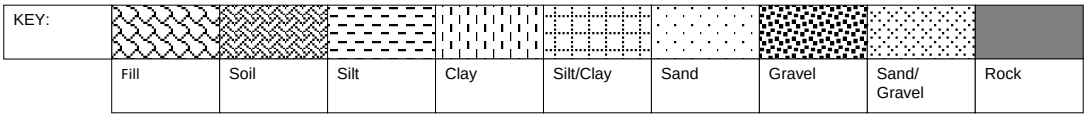
Contractor:

Equipment: excavator, sample bottles, PID

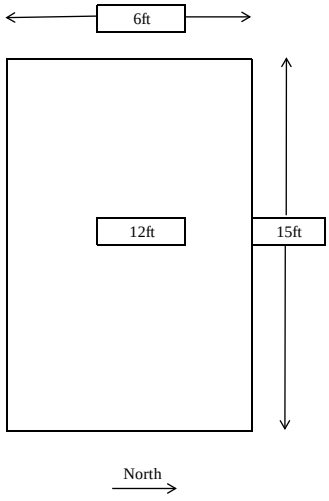
DATE:	Tuesday, May 21, 2024	**LOCATION: Williams Road**	
LOGGED BY:	SW	**TEST PIT LOG**	
TEST PIT LOCATION:	TP7		
envirospec ENGINEERING, PLLC	349 Northern Blvd, STE 3 Albany, NY 12204 Phone: 518.453.2203 Fax: 518.453.2204 www.envirospeceng.com	**CLIENT: Hart Engineering**	**PROJECT No.:** E24-4216 **PROJECT MGR:** Gianna Aiezza

Test Pit No.: TP8- front (opposit

Sample ID:	Depth (ft. bgs)/ Water Depth	Graphic Log	DESCRIPTIVE LOG (color, grain size and amount, texture, moisture) (and = 30-50%; some = 20-30%; little = 10-20%; trace = 1-10%)	Initial PID Readings	Headspace PID Reading
	0		sandy silt, brown, some small rocks		
	1		sandy silt, brown, some small rocks		
	2		sandy silt, brown, some small rocks		
	3		sandy silt, brown, some small rocks		
	4		sandy silt, brown, some small rocks		
	5		sandy silt, brown, some small rocks	0.0	2.3
TP8	6		sandy silt, brown, some small rocks		
	7		sandy silt, brown, some small rocks		
	8		sandy silt, brown, some small rocks		
	9		sandy silt, brown, some small rocks		
	10		small amount of clay		
	11		small amount of clay		
	12		ended at 12'	0.0	1.5
	13				
	15				
	16				
	17				
	18				
	19				
	20				



Miscellaneous Notes:



Depth to Water: N/A (as determined from open excavation)

Soil Analytical testing completed:
soil samples (SVOCs, VOCs, PCBs, and Metals) w/o pesticides collected at 14:00

Groundwater Analytical Testing completed:
NA

Contractor:

Equipment: excavator, sample bottles, PID

DATE:	Tuesday, May 21, 2024	**LOCATION: Williams Road**	
LOGGED BY:	SW	**TEST PIT LOG**	
TEST PIT LOCATION:	TP8		
envirospec ENGINEERING, PLLC	349 Northern Blvd, STE 3 Albany, NY 12204 Phone: 518.453.2203 Fax: 518.453.2204 www.envirospeceng.com	**CLIENT: Hart Engineering**	**PROJECT No.:** E24-4216 **PROJECT MGR:** Gianna Aiezza

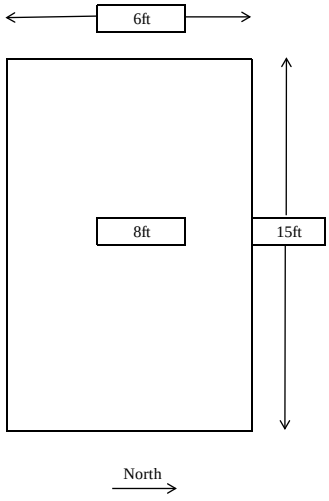
Test Pit No.: TP9- to the right/ c

Sample ID:	Depth (ft. bgs)/ Water Depth	Graphic Log	DESCRIPTIVE LOG (color, grain size and amount, texture, moisture) (and = 30-50%; some = 20-30%; little = 10-20%; trace = 1-10%)	Initial PID Readings	Headspace PID Reading
	0		dark grey-clay, brick, concrete, wood, metal, tire pieces (asphalt smell)		
	1		dark grey-clay, brick, concrete, wood, metal, tire pieces (asphalt smell)		
	2		dark grey-clay, brick, concrete, wood, metal, tire pieces (asphalt smell)		
	3		dark grey-clay, brick, concrete, wood, metal, tire pieces (asphalt smell)		
TP9	4		dark grey-clay, brick, concrete, wood, metal, tire pieces (asphalt smell)		
	5		dark grey-clay, brick, concrete, wood, metal, tire pieces (asphalt smell)		
	6		dark grey-clay, brick, concrete, wood, metal, tire pieces (asphalt smell)		
	7		dark grey-clay, brick, concrete, wood, metal, tire pieces (asphalt smell)		
	8		ended at 8'	0.1	1.8
	9				
	10				
	11				
	12				
	13				
	15				
	16				
	17				
	18				
	19				
	20				

KEY:

Fill	Soil	Silt	Clay	Silt/Clay	Sand	Gravel	Sand/ Gravel	Rock

Miscellaneous Notes:



Depth to Water: N/A (as determined from open excavation)

Soil Analytical testing completed:
no soil samples taken

Groundwater Analytical Testing completed:
NA

Contractor:

Equipment: excavator, sample bottles, PID

DATE:	Tuesday, May 21, 2024	**LOCATION: Williams Road**	
LOGGED BY:	SW	**TEST PIT LOG**	
TEST PIT LOCATION:	TP9		
envirospec ENGINEERING, PLLC	349 Northern Blvd, STE 3 Albany, NY 12204 Phone: 518.453.2203 Fax: 518.453.2204 www.envirospeceng.com	**CLIENT: Hart Engineering**	**PROJECT No.:** E24-4216 **PROJECT MGR:** Gianna Aiezza