Mr. Matthew Sabetta, P.G.
Pennsylvania Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, Pennsylvania 19401

Arcadis U.S., Inc.
1 Harvard Way
Suite 5
Hillsborough, NJ 08844
United States
Phone: 908 526 1000
Fax: 908 253 3295
www.arcadis.com

Date: March 30, 2026
Our Ref: 30108678
Subject: Offsite Soil and Groundwater Sample Results – Adjacent Bartram's Garden Property
Alliance 51st Street Site
eFACTS PF No. 855927
1646 South 51st Street
City and County of Philadelphia

Dear Mr. Sabetta,

On behalf of Alliance 51st Street LLC (Alliance), Arcadis U.S., Inc. (Arcadis) is submitting this letter to the Pennsylvania Department of Environmental Protection (PADEP) to provide an update on recent investigation activities conducted relative to the above referenced Site. The subject Site is located at 1630-1646 South 51st Street in Philadelphia, Pennsylvania (Figure 1) and is bordered to the south by railroad tracks; beyond which is Bartram's Garden, which was formerly occupied by Warner Cement Company). Bartram's Garden is a public park that includes the Bartram's Garden Mile Trail. PADEP required groundwater delineation to the south of the Site. As a result, the location of a monitoring well was proposed and approved by PADEP. Further, a license agreement was obtained from the owner of the property, the City of Philadelphia and Bartram's Garden which both approved the location of the well. As part of the investigation, a soil boring was first advanced in the location of the well, and then a monitoring well (MW-12) was installed, developed and sampled. A Site Plan is included as Figure 2 which presents the location of MW-12.

Background

As detailed in previous Act 2 submittals, historical placement of fill occurred onsite and on the Bartram's Garden property in the early 1900s. Soil boring and well installation work was conducted on the Bartram's Garden property in February 2026 to determine the type of fill on the property, confirm the groundwater flow direction from the Site, and evaluate the concentrations of select inorganic constituents of concern (COCs) in soil and groundwater on the Bartram's Garden Site. Prior to initiating the work, PADEP agreed that volatile organic compounds (VOCs) associated with the Site were delineated in groundwater but that inorganics were present in downgradient wells at the Site which warranted delineation to the south. Activities and findings are discussed in the following sections.

Mr. Matthew Sabetta
PADEP
March 30, 2026

Investigation Activities

Prior to conducting intrusive activities, a geophysical survey was conducted by GeoSeek LLC (GeoSeek) on February 12, 2026 at the proposed monitoring well location to confirm the absence of sub-grade utilities in the work area. The geophysical investigation included the use of electromagnetic (EM) terrain conductivity measurement, metal detection, ground penetrating radar (GPR) and utility location equipment.

Soil Investigation

Boring Advancement and Sample Collection

Following the utility clearance, on February 12, 2026, the soil borehole at the MW-12 location was advanced utilizing direct push technologies, to a depth of 30 feet below ground surface (ft bgs) where refusal was encountered. During boring advancement, fill materials consisting of brick, concrete, wood, and non-native soil were observed throughout the entire boring. Photographs of the borehole material are presented in Attachment A. To evaluate the fill material, six soil samples were collected from each 5-foot macrocore interval, at depths of 4.5 to 5 ft bgs, 9.5 to 10 ft bgs, 14.5 to 15 ft bgs, 17.5 to 18 ft bgs, 24.5 to 25 ft bgs, and 29.5 to 30 ft bgs. During macrocore sampling, Arcadis personnel screened each boring for the presence of contamination using a photoionization detector (PID) and visual/olfactory observations. PID readings are presented on the Soil Boring and Construction Log in Attachment B. Soil samples were submitted for analysis for lead, chromium, and hexavalent chromium. Groundwater was not encountered prior to macrocore refusal.

Soil Sampling Results

During boring advancement, VOCs were screened in soil using a photoionization detector (PID) and no detections were observed, as presented in Attachment B.

Chromium and lead were detected in soil. This is expected due to the fill that historically was placed in the area. Hexavalent chromium was either not detected or detected at very low, estimated concentrations. Soil sample results were compared to the most stringent Residential Statewide Health Standard (SHS) Soil Screening Values, which are the representative Medium Specific Concentrations (MSCs) for soil. Lead is present at higher concentrations than chromium which is typical for historical fill. No sample results were greater than their respective residential soil MSCs, as presented in Table 1.

Groundwater Investigation

Monitoring Well Installation

Following macrocore refusal, hollow stem augers were utilized to continue advancement of the boring and install monitoring well MW-12. The well was installed to a total depth of 40 ft bgs and was completed with a 15-foot-long 0.010-slot 2-inch diameter polyvinyl chloride (PVC) screen set across the top of the water table. Two-inch PVC riser was installed above the screen and extended to the ground surface. A filter pack consisting of No.2 sand was placed in the annular space around the monitoring well screen and a two-foot bentonite seal was installed over top of the filter pack. A grout slurry was poured on top of the bentonite seal to fill the annular space to the

ground surface. A steel manhole and concrete pad was installed to complete the monitoring well at ground surface. The monitoring well was developed by over pumping and surging until the water was free of fine particles. The monitoring well was surveyed by a Pennsylvania licensed surveying company, DPK Consulting (DPK) located in Middlesex, New Jersey. A summary of well construction details is provided in Attachment B.

Monitoring Well Sampling

On February 27, 2026, a groundwater sample was collected from MW-12 using the USEPA low flow sampling techniques. Prior to beginning the groundwater sampling activities, groundwater levels were gauged on the Alliance Site and at MW-12 to determine the groundwater flow direction. The monitoring well was purged at a rate of approximately 0.05 gallons per minute (gpm) with a submersible centrifugal pump (ProActive Steel Monsoon Pump™ or equivalent). Water quality parameters were collected using a Horiba U-52 water quality meter and flow through cell every five minutes which included temperature (o Celsius (C), pH (standard units), conductivity (micro-Siemens per centimeter mS/cm)), dissolved oxygen (DO) (milligrams per liter (mg/l), oxidation reduction potential (ORP) (millivolts (mV), and turbidity (nephelometric turbidity units (NTU). After the water quality parameters stabilized as outlined in the USEPA low flow guidance, the tubing was disconnected from the Horiba U-52 and the sample was collected.

The groundwater samples were submitted under chain-of-custody protocol to Pace Analytical. Groundwater samples were analyzed for total and dissolved lead, chromium, and hexavalent chromium.

Groundwater Sampling Results

The ground elevation of the Bartram's Garden property is higher than onsite, and groundwater was encountered at a deeper depth in the borehole of MW-12 than onsite. The depth to groundwater in MW-12 was 32.74 ft bgs during gauging. Groundwater elevation measurements indicate a slightly variable flow from onsite wells MW-9 and MW-4, but a general flow direction toward the Schuylkill River. Monitoring well MW-12 is both side-gradient and slightly downgradient from MW-4 and MW-9. Groundwater elevation contours are mapped on Figure 3. During the gauging in February, onsite monitoring well MW-10 had been damaged by mowing activities and was not gauged. It was later repaired, re-surveyed, and re-gauged on March 19, 2026. The elevation of MW-10 in March was 9.34 feet above mean sea level, consistent with known elevations of onsite groundwater in that area.

The groundwater results indicate total lead is present at a concentration greater than the groundwater MSC, Lead is present due to the presence of fill which was confirmed to contain lead as discussed above. Dissolved metals data indicate minor and/or estimated detections of dissolved lead and chromium, and no detection of hexavalent chromium. There are no concentrations or laboratory reporting limit exceedances of the residential groundwater MSC for dissolved lead, chromium, or hexavalent chromium. Groundwater sample results are summarized in Table 2. Dissolved results presented in Table 2 are representative of actual groundwater conditions, as opposed to total metals concentrations which represent sediment that is bound to water molecules. The laboratory analytical report is provided in Attachment C.

Conclusion and Next Steps

Another groundwater sample will be collected from MW-12 for characterization in April 2026 and will be analyzed for dissolved chromium, lead, and hexavalent chromium. Upon confirmation of similar results, groundwater impacts from the Alliance Site are considered delineated in the southern direction. No additional groundwater

monitoring wells are proposed for the Site. Results from monitoring well MW-12 will be included in the forthcoming Remedial Investigation Report and Cleanup Plan for Groundwater. Based on the recent results, additional investigations on the Bartram's Garden property are not warranted.

If you have any questions regarding the findings, please do not hesitate to contact me at 908.526.1000.

Sincerely,
Arcadis U.S., Inc.

Lawrence G. Brunt, PE
Principal Engineer

Email: Larry.Brunt@arcadis.com
Direct Line: 908.526.1000

Crystal Foster
Principal Geologist

Email: Crystal.Foster@arcadis.com
Direct Line: 724.934.9529

CC. Eric Carlson – Alliance 51st Street LLC
Anthony J. Reitano, Esq. – Herold Law

Enclosures:

- Table 1 - Soil Sample Results - Bartram's Garden
- Table 2 - Groundwater Sample Results – Bartram's Garden
- Figure 1 – Site Location Map
- Figure 2 – Site Pan
- Figure 3 - Groundwater Elevation Contour Map – February 2026
- Attachment A – Photographic Documentation
- Attachment B – Soil boring and Monitoring Well Construction Log
- Attachment C - Laboratory Analytical Results

Tables

Table 1
Soil Sample Results - Bartram's Garden
Alliance 51st Street LLC
1630-1646 South 51st Street
Philadelphia, Pennsylvania

SAMPLE ID: / LAB ID: / COLLECTION DATE: / SAMPLE DEPTH: / SAMPLE MATRIX:	Representative Pennsylvania Residential Soil MSC (lower of Soil to GW and Direct Contact Screening Values)	MW-12 (4.5-5) L2607855-01 2/12/2026 4.5-5 SOIL				MW-12 (9.5-10) L2607855-02 2/12/2026 9.5-10 SOIL				MW-12 (14.5-15) L2607855-03 2/12/2026 14.5-15 SOIL				MW-12 (17.5-18) L2607855-04 2/12/2026 17.5-18 SOIL				MW-12 (24.5-25) L2607855-05 2/12/2026 24.5-25 SOIL				MW-12 (29.5-30) L2607855-06 2/12/2026 29.5-30 SOIL			
ANALYTE	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Metals																									
Chromium	190000	19.8		0.864	0.732	14.8		0.83	0.705	17.8		0.906	0.768	21.2		0.832	0.705	17.4		0.919	0.78	36.4		0.824	0.699
Lead	450	91.2		4.32	0.206	18.2		4.16	0.198	71.1		4.53	0.216	84.4		4.16	0.198	58.1		4.6	0.22	159		4.12	0.196
General Chemistry																									
Chromium, Hexavalent	37	0.442	J	0.883	0.177	0.17	U	0.85	0.17	1.34		0.925	0.185	0.175	U	0.876	0.175	0.72	J	0.928	0.19	0.169	U	0.846	0.169

Notes:
1. Soil concentrations reported in milligrams per kilogram (mg/kg)

Acronyms and Abbreviations:
bgs = below ground surface
Conc = concentration
MDL = method detection limit
MSC = Medium Specific Concentration
Q = qualifier
RL = reporting limit
SHS = Statewide Health Standard

Laboratory Qualifier:
U - Compound was undetected at the listed laboratory method detection limit.

Table 2
Groundwater Sample Results - Bartram's Garden
Alliance 51st Street LLC
1630 - 1646 South 51st Street
Philadelphia, Pennsylvania

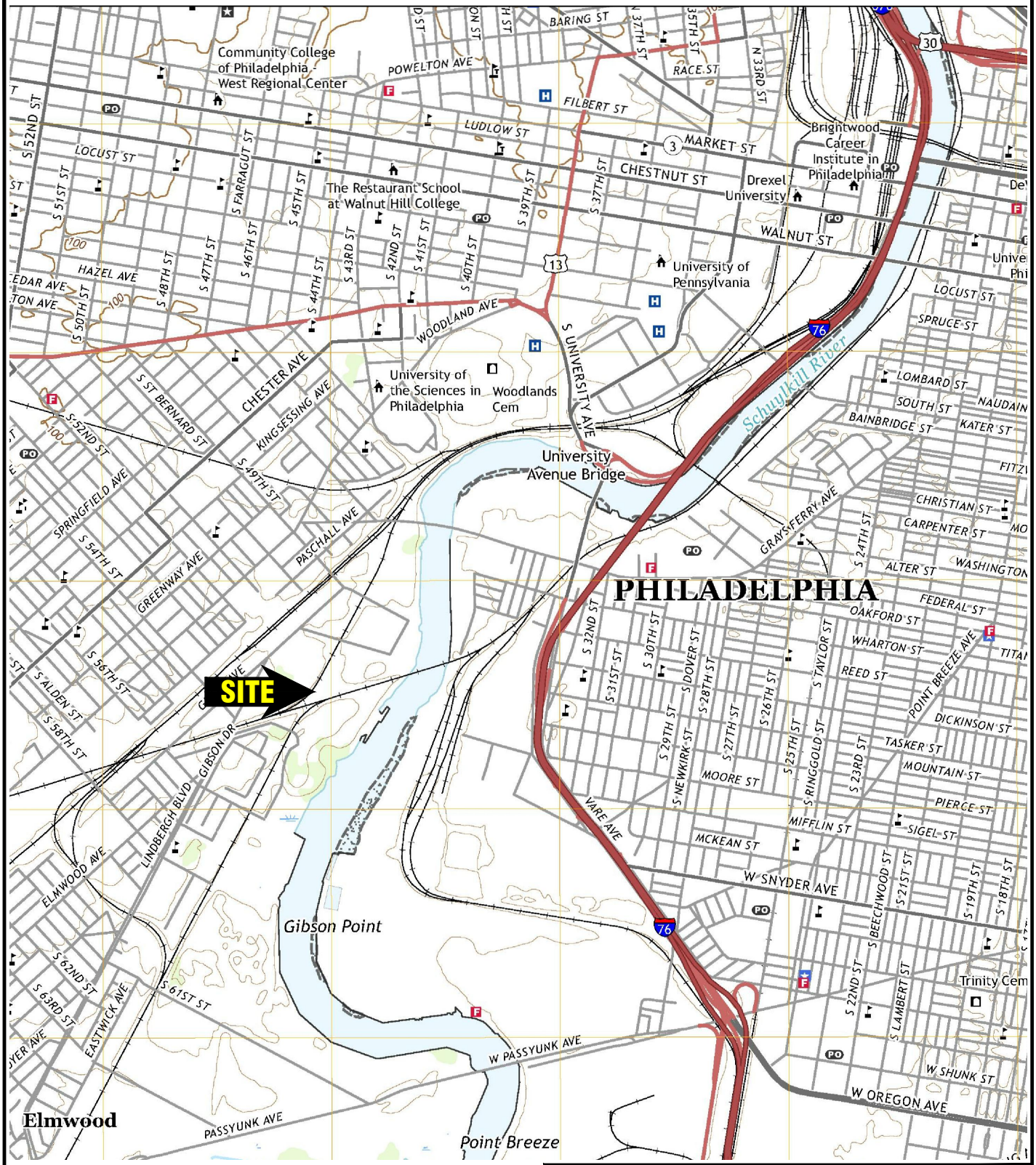
SAMPLE ID: / LAB ID: / COLLECTION DATE: / SAMPLE MATRIX:	Pennsylvania Residential & Non-Residential Used Aquifer Groundwater	MW-12 L2610617-01 2/27/2026 WATER			
ANALYTE	**(ug/l)**	**Conc**	**Q**	**RL**	**MDL**
DISSOLVED METALS					
Chromium, Dissolved	100	2.401		1	0.178
Lead, Dissolved	5	0.6907	J	1	0.343
TOTAL METALS					
Chromium, Total	100	25.82		1	0.178
Lead, Total	5	21.68		1	0.343
GENERAL CHEMISTRY					
Chromium, Hexavalent, Dissolved	100	3	U	10	3

Notes:
1. Concentrations are reported in micrograms per liter.
2. Screening value for chromium III used for chromium.
3. Gray shading indicates an exceedance of the MSC; however, this is for total lead.
   The dissolved lead concentrations is less than the MSC.

Acronyms and Abbreviations:
Conc = concentration
MDL = method detection limit
MSC = Medium Specific Concentration
Q = qualifier
RL = reporting limit

Laboratory Qualifiers:
U = The compound was undetected at the listed laboratory MDL.
J = estimated, detected above MDL but below RL.

Figures



SOURCE: USGS TOPOGRAPHIC MAP
QUAD: PHILADELPHIA PA, NJ
DATE: 2019

0 2000' 4000'
GRAPHIC SCALE

ALLIANCE HSP VENTURES
1646 S 51 ST STREET
PHILADELPHIA, PENNSYLVANIA

SITE LOCATION MAP

ARCADIS

FIGURE
1

LEGEND:

SITE BOUNDARY

MONITORING WELL

NOTES:

1. MONITORING WELL LOCATIONS SURVEYED BY DPK ENGINEERING, MONITORING WELL LOCATION MAP, DATED 04/04/2021. MW-10 AND MW-11 WERE ADDED ON 08/14/2025, ELECTRONIC FILE 22-9519 MW00 2022-04-06. MW-12 WAS ADDED ON 03/12/2026, SURVEY PROVIDED BY DPK CONSULTING, LLC.
2. PLAN DATUM: PENNSYLVANIA STATE PLANE COORDINATES: PA83-SF.

SOUTH 51ST STREET

MW-10

MW-11

MW-8

MW-7

MW-2

MW-1

MW-5

FOUNDATION BUILDING MATERIALS

MW-3

MW-4

MW-9

BARTRAM'S GARDEN

SCHUYLKILL RIVER

MW-12

SOURCE:
©Microsoft Corporation ©Maxar ©CNES (2021) Distribution Airbus DS

0 100' 200'

GRAPHIC SCALE

ALLIANCE HSP VENTURES
1630-1646 SOUTH 51ST STREET
PHILADELPHIA, PENNSYLVANIA

SITE PLAN

ARCADIS

FIGURE
2

LEGEND:

- SITE BOUNDARY
- MONITORING WELL
- 10 — GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- (7.62) — GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- (NG) — NOT GAUGED

NOTES:

1. MONITORING WELL LOCATIONS SURVEYED BY DPK ENGINEERING, MONITORING WELL LOCATION MAP, DATED 04/04/2021. MW-10 AND MW-11 WERE ADDED ON 08/14/2025, ELECTRONIC FILE 22-9519 MW00 2022-04-06. MW-12 WAS ADDED ON 03/12/2026, SURVEY PROVIDED BY DPK CONSULTING, LLC.
2. PLAN DATUM: PENNSYLVANIA STATE PLANE COORDINATES: PA83-SF.

SOUTH 51ST STREET

FOUNDATION BUILDING MATERIALS

BARTRAM'S GARDEN

SCHUYLKILL RIVER

MW-1 (4.00)
MW-2 (9.35)
MW-3 (16.71)
MW-4 (22.21)
MW-5 (17.29)
MW-7 (14.75)
MW-8 (20.46)
MW-9 (25.42)
MW-10 (NG)
MW-11 (7.62)
MW-12 (8.84)

5
10
15
20
25

SOURCE:
©Microsoft Corporation ©Maxar ©CNES (2021) Distribution Airbus DS

0 100' 200'
GRAPHIC SCALE

ALLIANCE HSP VENTURES
1630-1646 SOUTH 51ST STREET
PHILADELPHIA, PENNSYLVANIA

GROUNDWATER ELEVATION AND CONTOUR MAP MARCH 2025

ARCADIS

FIGURE 3

Attachment A

PHOTOGRAPH LOG

Alliance 51st Street

Photograph: 1

Description:
Soil cores from MW-12

Location:
Bartram's Garden- MW-12

Photograph taken by: Matt Hilinski

Date: 2/12/2026

Photograph: 2

Description:
Soil cores from MW-12

Location:
Bartram's Garden- MW-12

Photograph taken by: Matt Hilinski

Date: 2/12/2026

Attachment B

Boring No./Well ID: **MW-12-SB / MW-12**

Surface Finish: Flushmount

Soil Boring and Construction Log

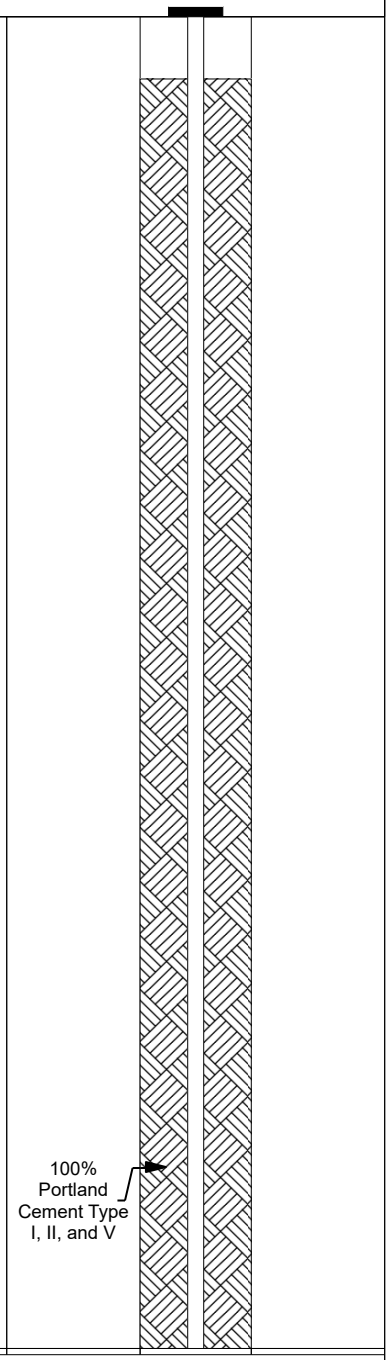
Client Name: Alliance
Project Number: Alliance 51st Street
Project Name: Alliance 51st Street

Date Started: 02-12-2026
Date Completed: 02-12-2026
Total Depth: 40.0 ft bgs

Well Type: Single Screened
Logger(s): Matt Hilinski
Reviewer: NA

Depth (ft)	Sample ID	Rec. (ft)	PID (ppm)	Graphic	Material Description
0		5.00	0.0		(0.0-3.5 ft): SAND, fine, little gravel, small to medium pebbles, subangular to subround; soft, poorly sorted, dry, 10YR 4/3 - brown. NOTE: Fill.
1			0.0		
2			0.0		
3			0.0		
4			0.0		
5	MW-12 (4.5-5)		0.0		(3.5-4.0 ft): GRAVEL, large cobbles, subangular; poorly sorted, dry, 10YR 5/1 - gray. NOTE: Fill.
6		1.00	0.0		(4.0-5.0 ft): SAND, fine, little silt, trace gravel, granules, subangular to subround; medium stiff, poorly sorted, dry, 10R 7/1 - light gray. NOTE: Fill.
7			0.0		(5.0-10.0 ft) NOTE: Concrete.
8			0.0		
9			0.0		
10	MW-12 (9.5-10)		0.0		
			0.0		(10.0-11.0 ft) NOTE: Concrete.

Construction Details



Drilling Co.: Hawk Drilling
Driller: Andrew Bunnell, Nelson Trimmer
Drilling Method: Direct Push (DP), Hollow-Stem Auger (HSA)
Sampling Method: Direct Push (DP)
Drill Rig: AMS 9570

Terminology
NA: Not Applicable

Remarks

Interval Length: 5.0 ft
First Encountered Water (ft bgs): ▼ No water encountered
Static Water Level (ft btoc): ▽ 32.59
Top of Casing Elevation: 41.28 ft
Ground Surface Elevation: 41.50 ft
Easting: 2680757.00 ft
Northing: 229154.00 ft
Coordinate System: NAD83 StatePlane Pennsylvania South

Boring No./Well ID: **MW-12-SB / MW-12**

Surface Finish: Flushmount

Soil Boring and Construction Log

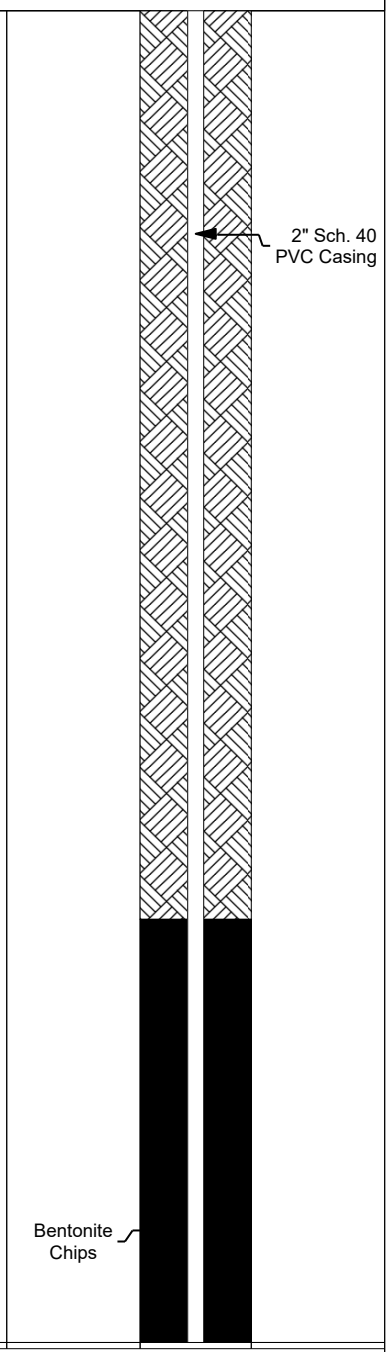
Client Name: Alliance
Project Number: Alliance 51st Street
Project Name: Alliance 51st Street

Date Started: 02-12-2026
Date Completed: 02-12-2026
Total Depth: 40.0 ft bgs

Well Type: Single Screened
Logger(s): Matt Hilinski
Reviewer: NA

Depth (ft)	Sample ID	Rec. (ft)	PID (ppm)	Graphic	Material Description
11			0.0		(10.0-11.0 ft) NOTE: Concrete.
			0.0		(11.0-15.0 ft): GRAVEL, small to medium pebbles, subangular to subround, little silt, little clay, little fine to medium sand, subangular; no plasticity, poorly sorted, dry, 10R 7/1 - light gray. NOTE: Fill.
12			0.0		
			0.0		
13		2.80	0.0		
			0.0		
14			0.0		
	MW-12 (14.5-15)		0.0		
15			0.0		(15.0-19.0 ft): SAND, fine, some gravel, small to medium pebbles, subangular to subround; soft, poorly sorted, dry, 10YR 6/4 - light yellowish brown. NOTE: Fill.
			0.0		
16			0.0		
			0.0		
17			0.0		
		2.90	0.0		
	MW-12 (17.5-18)		0.0		
18			0.0		
			0.0		
19			0.0		(19.0-20.0 ft) NOTE: Brick.
			0.0		
20			0.0		(20.0-30.0 ft) NOTE: Fill.
			0.0		
21			0.0		

Construction Details



Drilling Co.: Hawk Drilling
Driller: Andrew Bunnell, Nelson Trimmer
Drilling Method: Direct Push (DP), Hollow-Stem Auger (HSA)
Sampling Method: Direct Push (DP)
Drill Rig: AMS 9570

Terminology
NA: Not Applicable

Remarks

Interval Length: 5.0 ft
First Encountered Water (ft bgs): ▼ No water encountered
Static Water Level (ft btoc): ▽ 32.59
Top of Casing Elevation: 41.28 ft
Ground Surface Elevation: 41.50 ft
Easting: 2680757.00 ft
Northing: 229154.00 ft
Coordinate System: NAD83 StatePlane Pennsylvania South

Boring No./Well ID: **MW-12-SB / MW-12**

Surface Finish: Flushmount

Soil Boring and Construction Log

Client Name: Alliance
Project Number: Alliance 51st Street
Project Name: Alliance 51st Street

Date Started: 02-12-2026
Date Completed: 02-12-2026
Total Depth: 40.0 ft bgs

Well Type: Single Screened
Logger(s): Matt Hilinski
Reviewer: NA

Depth (ft)	Sample ID	Rec. (ft)	PID (ppm)	Graphic	Material Description
22			0.0		(20.0-30.0 ft) NOTE: Fill.
			0.0		
23		4.00	0.0		
			0.0		
24			0.0		
	MW-12 (24.5-25)		0.0		
25			0.0		
			0.0		
26			0.0		
			0.0		
27		4.00	0.0		
			0.0		
28			0.0		
			0.0		
29			0.0		
	MW-12 (29.5-30)		0.0		
30					
31					
32					

Construction Details: #10/20 sand

Drilling Co.: Hawk Drilling
Driller: Andrew Bunnell, Nelson Trimmer
Drilling Method: Direct Push (DP), Hollow-Stem Auger (HSA)
Sampling Method: Direct Push (DP)
Drill Rig: AMS 9570

Terminology
NA: Not Applicable

Remarks

Interval Length: 5.0 ft
First Encountered Water (ft bgs): ▼ No water encountered
Static Water Level (ft btoc): ▽ 32.59
Top of Casing Elevation: 41.28 ft
Ground Surface Elevation: 41.50 ft
Easting: 2680757.00 ft
Northing: 229154.00 ft
Coordinate System: NAD83 StatePlane Pennsylvania South

Boring No./Well ID: **MW-12-SB / MW-12**

Surface Finish: Flushmount

Soil Boring and Construction Log

Client Name: Alliance
Project Number: Alliance 51st Street
Project Name: Alliance 51st Street

Date Started: 02-12-2026
Date Completed: 02-12-2026
Total Depth: 40.0 ft bgs

Well Type: Single Screened
Logger(s): Matt Hilinski
Reviewer: NA

Depth (ft)	Sample ID	Rec. (ft)	PID (ppm)	Graphic	Material Description	Construction Details
33						2" 0.01"-Slot Sch. 40 PVC Screen
34						
35						
36		10.00				
37						
38						
39						
40					End Depth: 40.00 ft	
41						
42						

Drilling Co.: Hawk Drilling
Driller: Andrew Bunnell, Nelson Trimmer
Drilling Method: Direct Push (DP), Hollow-Stem Auger (HSA)
Sampling Method: Direct Push (DP)
Drill Rig: AMS 9570

Terminology
NA: Not Applicable

Remarks

Interval Length: 5.0 ft
First Encountered Water (ft bgs): ▼ No water encountered
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Ground Surface Elevation: 41.50 ft
Easting: 2680757.00 ft
Northing: 229154.00 ft
Coordinate System: NAD83 StatePlane Pennsylvania South

Attachment C

ANALYTICAL REPORT

Lab Number:	L2610617
Client:	Arcadis U.S., Inc 1 Harvard Way Suite 5 Hillsborough, NJ 08844
ATTN:	Larry Brunt
Phone:	(908) 526-1000
Project Name:	ALLIANCE 51ST
Project Number:	30108678.07G
Report Date:	03/25/26

Project Name: ALLIANCE 51ST
Project Number: 30108678.07G

Lab Number: L2610617
Report Date: 03/25/26

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2610617-01	MW-12	WATER	PHILADELPHIA, PA	02/27/26 13:35	02/27/26

Project Name:	ALLIANCE 51ST	**Lab Number:**	L2610617
Project Number:	30108678.07G	**Report Date:**	03/25/26

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	ALLIANCE 51ST	**Lab Number:**	L2610617
Project Number:	30108678.07G	**Report Date:**	03/25/26

Case Narrative (continued)

Report Revision

March 25, 2026: The Dissolved Metals element list has been amended on L2610617-01.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 03/25/26

QC OUTLIER SUMMARY REPORT

Project Name: ALLIANCE 51ST
Project Number: 30108678.07G

Lab Number: L2610617
Report Date: 03/25/26

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
General Chemistry - Westborough Lab								
7196A	Batch QC (L2610618-02)	WG2179992-4	Chromium, Hexavalent	MS	76	85-115	01	potential low bias
7196A	Batch QC (L2610618-02)	WG2179993-4	Chromium, Hexavalent (Unfiltered)	MS	77	85-115	01	potential low bias

METALS

Project Name: ALLIANCE 51ST
Project Number: 30108678.07G
Lab Number: L2610617
Report Date: 03/25/26

SAMPLE RESULTS

Lab ID: L2610617-01
Client ID: MW-12
Sample Location: PHILADELPHIA, PA
Date Collected: 02/27/26 13:35
Date Received: 02/27/26
Field Prep: Refer to COC

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	25.82		ug/l	1.000	0.1780	1	03/01/26 16:36	03/04/26 07:12	EPA 3005A	1,6020B	TAA
Lead, Total	21.68		ug/l	1.000	0.3430	1	03/01/26 16:36	03/04/26 07:12	EPA 3005A	1,6020B	TAA
Dissolved Metals - Mansfield Lab											
Chromium, Dissolved	2.401		ug/l	1.000	0.1780	1	03/01/26 16:36	03/02/26 09:06	EPA 3005A	1,6020B	DHL
Lead, Dissolved	0.6907	J	ug/l	1.000	0.3430	1	03/01/26 16:36	03/02/26 09:06	EPA 3005A	1,6020B	DHL

Project Name: ALLIANCE 51ST
Project Number: 30108678.07G
Lab Number: L2610617
Report Date: 03/25/26

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG2180283-1										
Chromium, Total	ND		ug/l	1.000	0.1780	1	03/01/26 16:36	03/04/26 06:44	1,6020B	TAA
Lead, Total	ND		ug/l	1.000	0.3430	1	03/01/26 16:36	03/04/26 06:44	1,6020B	TAA

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01 Batch: WG2180285-1										
Chromium, Dissolved	ND		ug/l	1.000	0.1780	1	03/01/26 16:36	03/02/26 08:57	1,6020B	DHL
Lead, Dissolved	ND		ug/l	1.000	0.3430	1	03/01/26 16:36	03/02/26 08:57	1,6020B	DHL

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALLIANCE 51ST
Project Number: 30108678.07G

Lab Number: L2610617
Report Date: 03/25/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG2180283-2								
Chromium, Total	96		-		80-120	-		
Lead, Total	97		-		80-120	-		
Dissolved Metals - Mansfield Lab Associated sample(s): 01 Batch: WG2180285-2								
Chromium, Dissolved	99		-		80-120	-		
Lead, Dissolved	113		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ALLIANCE 51ST
Project Number: 30108678.07G

Lab Number: L2610617
Report Date: 03/25/26

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2180283-3 QC Sample: L2610265-03 Client ID: MS Sample												
Chromium, Total	1.814	200	197.9	98		-	-		75-125	-		
Lead, Total	ND	530	519.8	98		-	-		75-125	-		
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2180285-3 QC Sample: L2610617-01 Client ID: MW-12												
Chromium, Dissolved	2.401	200	201.7	100		-	-		75-125	-		
Lead, Dissolved	0.6907J	530	658.3	124		-	-		75-125	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST
Project Number: 30108678.07G

Lab Number: L2610617
Report Date: 03/25/26

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG2180285-4 QC Sample: L2610617-01 Client ID: MW-12						
Chromium, Dissolved	2.401	2.371	ug/l	1		20
Lead, Dissolved	0.6907J	0.7212J	ug/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: ALLIANCE 51ST
Project Number: 30108678.07G

Lab Number: L2610617
Report Date: 03/25/26

SAMPLE RESULTS

Lab ID: L2610617-01
Client ID: MW-12
Sample Location: PHILADELPHIA, PA

Date Collected: 02/27/26 13:35
Date Received: 02/27/26
Field Prep: Refer to COC

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent (Unfiltered)	ND		mg/l	0.010	0.003	1	02/28/26 06:00	02/28/26 06:45	1,7196A	KAF
Chromium, Hexavalent	ND		ug/l	10.0	3.00	1	02/28/26 06:00	02/28/26 06:39	1,7196A	KAF

Project Name: ALLIANCE 51ST
Project Number: 30108678.07G
Lab Number: L2610617
Report Date: 03/25/26

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG2179992-1										
Chromium, Hexavalent	ND		ug/l	10.0	3.00	1	02/28/26 06:00	02/28/26 06:38	1,7196A	KAF
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG2179993-1										
Chromium, Hexavalent (Unfiltered)	ND		mg/l	0.010	0.003	1	02/28/26 06:00	02/28/26 06:45	1,7196A	KAF

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALLIANCE 51ST
Project Number: 30108678.07G

Lab Number: L2610617
Report Date: 03/25/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG2179992-2								
Chromium, Hexavalent	106		-		85-115	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG2179993-2								
Chromium, Hexavalent (Unfiltered)	105		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ALLIANCE 51ST
Project Number: 30108678.07G

Lab Number: L2610617
Report Date: 03/25/26

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2179992-4 QC Sample: L2610618-02 Client ID: MS Sample												
Chromium, Hexavalent	ND	500	76.0	**76**	Q	-	-		85-115	-		
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2179993-4 QC Sample: L2610618-02 Client ID: MS Sample												
Chromium, Hexavalent (Unfiltered)	ND	0.1	0.077	**77**	Q	-	-		85-115	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: ALLIANCE 51ST
Project Number: 30108678.07G

Lab Number: L2610617
Report Date: 03/25/26

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2179992-3 QC Sample: L2610618-01 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	ug/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2179993-3 QC Sample: L2610618-01 Client ID: DUP Sample						
Chromium, Hexavalent (Unfiltered)	0.042J	ND	mg/l	NC		20

Project Name: ALLIANCE 51ST
Project Number: 30108678.07G

Lab Number: L2610617
Report Date: 03/25/26

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2610617-01A	Plastic 250ml unpreserved	NA	NA			Y	Absent		HEXCR-7196-UF(1)
L2610617-01B	Plastic 250ml unpreserved	NA	NA			Y	Absent		HEXCR-7196-PPB(1)
L2610617-01C	Plastic 250ml HNO3 preserved	NA	<2	<2		Y	Absent		CR-6020T-PPB(180),PB-6020T-PPB(180)
L2610617-01D	Plastic 250ml HNO3 preserved	NA	<2	<2		Y	Absent		PB-6020S-PPB(180),CR-6020S-PPB(180)

*Values in parentheses indicate holding time in days

Project Name:	ALLIANCE 51ST	**Lab Number:**	L2610617
Project Number:	30108678.07G	**Report Date:**	03/25/26

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	ALLIANCE 51ST	**Lab Number:**	L2610617
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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were

Report Format: DU Report with 'J' Qualifiers

Project Name:	ALLIANCE 51ST	**Lab Number:**	L2610617
Project Number:	30108678.07G	**Report Date:**	03/25/26

Data Qualifiers

estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: ALLIANCE 51ST
Project Number: 30108678.07G
Lab Number: L2610617
Report Date: 03/25/26

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ENV-FORM-WES2-0065 v02 Certificate/Approval Program Summary

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
Biological Tissue Matrix: EPA 3050B

PAS-MAN1 Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.

PAS-ELON East Longmeadow Facility – 39 Spruce Street East Longmeadow, MA 01028
EPA 524.2: 1,3,5-Trichlorobenzene, m/p-Xylene, o-xylene.
EPA 625.1: 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, N-Nitrosodiphenylamine.
EPA 8081B NPW and SCM: Alachlor, Endrin Ketone, Hexachlorobenzene.
EPA 8260D NPW: Tetrahydrofuran, 1,3,5-Trichlorobenzene; **SCM:** TAME, TBEE, Diethyl ether, DIPE, Tetrahydrofuran. 1,3,5-Trichlorobenzene, Freon-113.
EPA 8270E: NPW: Carbazole, 1-Methylnaphthalene, Pentachloronitrobenzene; **SCM:** Carbazole, 1-Methylnaphthalene.
EPA TO-13: Air: Benzo(e)pyrene, 1-Methylnaphthalene, 2-Methylnaphthalene, Perylene.
EPA TO-4A Pesticide Air: delta-BHC, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Hexachlorobenzene, Methoxychlor.
SM4500: NPW: Amenable Cyanide; **SCM:** Total Phosphorus, TKN, NH3, NECi: NO2, NO3, ASTMD516.

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT.**

ENV-FORM-WES2-0065 v02 Certificate/Approval Program Summary

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

PAS-ELON East Longmeadow Facility – 39 Spruce Street East Longmeadow, MA 01028

Drinking Water

EPA 300.0: NO3, NO2, Fl, Cl, SO4. **NECI Reductase**: NO3, NO2.
SM4500F-C, SM4500Cl-B, ASTM D516, SM4500CN-C,E, EPA 180.1, SM2320B, SM 2540C, SM4500H-B, SM4500SO4-E.
EPA 537.1; EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: SM9223-P/A: TC/EC; SM9223B-Colilert-enumeration: TC/EC; HPC-Simplate.

Non-Potable Water

SM4500H-B, SM2510B, SM2540C, SM2320B, SM4500Cl-B, ASTMD516, SM4500NH3-B, C, EPA 350.1, NECi: NO3, **SM4500NH3-B, C: TKN, SM4500P-E: Ortho Phosphate, SM4500P-B, E: Total Phosphorus, EPA 410.4, SM5210B, SM5310C, SM4500CN-C, E, SM2540D, SM4500Cl-G, SM4500SO4-E, EPA 1664, EPA 420.1, EPA 300.0:** Cl, SO4, NO3.
EPA 624.1: Volatile Halocarbons, Volatile Aromatics.
EPA 608.3: Chlordane, Toxaphene, Aldrin, Alpha-BHC, Beta-BHC, Gamma-BHC, Delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs.
EPA 625.1: SVOC-Acid Extractables and Base/Neutrals
Microbiology: SM9223B-Colilert: E. coli (Ambient and Wastewater), **SM9223B-Colilert-18:** Fecal Coliform (Wastewater).

Certification IDs:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY kY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195.

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, CA 3117, CO MA00030, CT PH-0825, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MD 350, MA M-MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, UT MA00030, VT VT-0015, VA 460194, WA C954.

PAS-MAN1 Mansfield Air Lab Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

PAS-ELON East Longmeadow Facility – 39 Spruce St. East Longmeadow, MA 01028
CT PH-0821, ME MA00100, MI 9100, NC (DENR) 652, NC (DW) 25703, MA M-MA100, NH (Secondary) 2516, NH (Primary) 2557, NJ MA007, NY 10899, PA 68-05812, RI LAO00373, VA 460217, VT-255716, WV DEP 419, WV-DW 9979C, LA 05130, LA-DW LA042, MD-DW 373, OH 87781.

For a complete listing of analytes and methods, please contact your Project Manager.

Bartram's Garden

NEW JERSEY CHAIN OF CUSTODY

Pace ANALYTICAL SERVICES

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Woodcliff Lake, NJ 07677: 123 Tice Blvd, Suite 101
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 02/28/26

PACE Job #: L2610615 MB

Client Information
Client: Arcadis
Address: 1 Harwood Way STE 5
Hillsborough NJ 08844
Phone: 908-526-1000
Fax: Matt.Hilinski@arcadis.com
Email: Larry.Brundage@arcadis.com

Project Information
Project Name: Alliance First
Project Location: Philadelphia, PA
Project #: 30105678.076
(Use Project name as Project #): ☐
Project Manager: Larry Brundage
PACE Quote #:

Turn-Around Time
Standard ☐
Rush (only if pre approved) ☐
Due Date: 3 day TAT
# of Days:

These samples have been previously analyzed by Pace ☐

Deliverables
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☐ Other

Billing Information
☐ Same as Client Info
PO #

Site Information
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:
Total Cr (Dissolved) and Hex Cr we filtered

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☒ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

PACE Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Hex Cr	Total Cr	Hex Cr (Unfiltered)	Total Cr (Dissolved)	Lead				Total Bottle	Sample Specific Comments
10618-01	MW-12	02/27/26	1335	AQ	RM	X	X	X	X	X				4	Total Cr (Dissolved) and Hex Cr were filtered
7															
MB															

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
I/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	P	P	P	P	P				
Preservative	A	C	A	C	C				

Relinquished By:	Date/Time	Received By:	Date/Time
Raymond Mill	02/27/2026 1635	Nicole Dupace	2/27/26 1635
HN AH	2-28-26 0540	HN	2-27 2315
		AH	2-28-26 0210
			02/28/26-0360

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY PACE'S TERMS & CONDITIONS. (See reverse side.)

8 MB

Form No: 01-14 HC (rev. 29-Jan-2025)

Sample Delivery Group Summary

Pace Job Number : L2610617

Account Name : Arcadis U.S., Inc.
Project Number : 30108678.07G
Project Name : ALLIANCE 51ST

Received : 27-FEB-2026
Reviewer : Matthew Bianculli

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.7	
B	Absent/	Ice	3.9	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**