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Pittsburgh, PA 15220
phone: 412.922.4000
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psiusa.com

December 8, 2023, revised January 26, 2024

Pine Richland School District
702 Warrendale Road
Gibsonia, Pennsylvania
Attn: Mr. Jefferey Zimmerman
Maintenance Supervisor
jzimmerman@pinerichland.org

Re: Potable Water Lead Screening - 2023
Pine Richland School District
Gibsonia, Allegheny County, Pennsylvania
PSI Project No. 08165069-3

Dear Mr. Zimmerman:

In accordance with your request, Professional Service Industries, Inc. (PSI), an Intertek company, conducted a limited lead water screening of client-defined potable water sources at the Pine Richland School District facilities. PSI's sampling included sixty-nine (69) samples in the following school buildings at the Pine Richland School District:

- Pine Richland Elementary (9 samples)
- Eden Hall (12 samples)
- Pine Richland Hance Elementary (10 samples)
- Pine Richland Wexford Elementary (10 samples)
- Pine Richland High School (11 samples)
- Pine Richland Athletic Fields (7 samples)
- Pine Richland Middle School (10 samples)

PSI was given authorization to conduct the lead-in-water screening by Mr. Jeffrey Zimmerman, Maintenance Supervisor for the Pine Richland School District. The sampling and analysis were conducted in accordance with the agreement between PSI and the Pine Richland School District.

SCOPE

Water samples were collected from the identified potable water outlets selected by the client in the Pine Richland School District. The samples were collected from 69 potable water sources, including faucets and water fountains. A "first draw" sample is defined as the first water to come out of the tap after an 8-hour period of inactivity, but no more than 18-hours. The number of samples and the sample locations were determined by the client.

Lead was detected above the analytical detection limit of 1.0 ppb in 10 of the 69 samples collected. Of the 10 samples where lead was detected, **one (1)** had a lead concentration above the proposed PA State recommended upper limit of 5.0 ppb but below the EPA Action Level of 15.0 ppb. This location was remediated and re-sampled on December 14 and January 12, 2024. Analytical results for the re-sampling found lead concentrations to be < 5.0 ppb.

METHODOLOGY

PSI's inspector Michael Kopar and Pine Richland staff collected a total of sixty-nine (69) "first draw" water samples from potable drinking water outlets on November 30, 2023. The "first draw" water samples were collected directly from water fountains or faucets (cold water spigots) which had been isolated from service for approximately 8-18 hours. The samples were collected directly into laboratory-supplied 250 ml bottles containing a HNO_3 preservative solution.

The samples were packed in a cooler and transmitted under chain of custody to Pace Analytical Laboratories located at 575 Broad Hollow Road, in Melville, NY 11747 for analysis. This laboratory is a PA certified drinking water laboratory (PA Cert # 68-00350) accredited by the PA Department of Environmental Protection (PA DEP). The samples were analyzed for lead content by laboratory method EPA 200.8.

While the EPA drinking water recommended 'action level' for lead in Schools for drinking water at the tap is 0.020 milligrams per liter (mg/L) or 20 ug/L or 20 ppb, the **proposed PA Statewide Standard** for Lead in School drinking water maximum contaminant level is **5 ppb**. The EPA's "Lead and Copper Rule" (LCR) for Public Water suppliers (5CFR26460-26564) established an Action Level of 0.015 mg/L (15 ug/L or 15 ppb) for lead based on the 90th percentile level of tap water samples (1 L samples).

Public Water Supply Testing vs. Testing at Schools

- It is important to note that the lead testing protocol used by public water systems is aimed at identifying system-wide problems rather than problems at outlets in individual buildings. Moreover, the protocols for sample size and sampling procedures are different. Under the LCR for public water systems, a lead action level of 15 ppb is established for 1 L samples taken by public water systems at high risk residences. If more than 10 percent of the samples at residences exceed 15 ppb, system-wide corrosion control treatment may be necessary. The 15-ppb action level for public water systems is therefore a trigger for treatment rather than an exposure level.

- EPA recommends that schools collect 250 ml first-draw samples from water fountains and outlets, and that the water fountains and/or outlets be taken out of service if the lead level exceeds 20 ppb. The sample was designed to pinpoint specific fountains and outlets that require remediation (e.g. water cooler replacement). The school sampling protocol maximizes the likelihood that the highest concentrations of lead are found because the first 250 ml are analyzed for lead after overnight stagnation.

- Some other local, State (such as NY State), and other agencies have adopted the more conservative lead action level of 15 ug/L (ppb).

- Women for a Healthy Environment recommends that the outlet be remediated if lead concentrations are between 5 and 10 ppb, and the outlet be taken out of service if the lead exceeds 10 ppb.

Lead was detected above the analytical detection limit of 1.0 ppb in 10 of the 69 samples collected. Of the 10 samples where lead was detected, **one (1)** had a lead concentration above the proposed PA State recommended upper limit of 5.0 ppb but below the EPA Action Level of 15.0 ppb.

Detailed sample summary tables for each of the buildings sampled, including sample numbers and sources sampled, sample location and the laboratory results, are provided as attachments to this report, along with the laboratory analytical reports.

CONCLUSIONS

The EPA's "Lead and Copper Rule" (LCR) for Public Water suppliers (5CFR26460-26564) established an Action Level of 0.015 mg/L (15 ug/L or 15 ppb) for lead based on the 90th percentile level of tap water samples (1 L samples). EPA has recommended that schools collect 250 ml first draw water samples with an action Level of 20 ppb. New York State has further recommended that an Action Level for lead in drinking water be set at 15 ppb. For purposes of this report, the Woman for a Healthy Environment Action Level of 5 ppb has been set.

Based on the water sampling results, it appears as though the lead concentrations were within the recommended limits. None of the samples collected exceeded the Action Level of 15 ppb, however, one (1) sample (RE-47 Kitchen rinse sink by C113) exceeded the Women for a Healthy Environment's recommended limit of 5.0 ppb. This location was remediated and re-sampled on December 14, 2023 and January 12, 2024. Lead concentrations were below 5.0 ppb. Based on the analytical results, no further action appears warranted at this time.

RECOMMENDATIONS

Upon receipt of the sampling results, PSI recommended that the outlets with concentrations exceeding the EPA recommended limit of 20 ppb be isolated, cleaned or replaced, and then re-sampled. PSI also recommended cleaning or replacing then re-sampling the potable water outlets that exceeded 5 ppb to verify concentrations.

The EPA recommends that "at a minimum, every outlet that is regularly used for cooking and drinking should be sampled." Periodic, routine testing is recommended. Regular testing can be valuable because it establishes a record of the water quality.

If any changes are made in the plumbing system, PSI recommends testing the outlets prior to regular use.

WARRANTY

The field observations, measurements, and research reported herein are considered sufficient in detail and scope to form for the analysis of the selected water quality parameters. The investigation and conclusions presented herein are based upon the subjective evaluation of limited data. They may not represent all conditions at the subject site as they reflect the information gathered from specific locations. PSI warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental investigation methodology and only for the site described in this report.

The water quality sampling and analysis has been developed to provide the client with information regarding select parameter concentrations in the water samples collected at the subject property. It is necessarily limited to the conditions observed and to the information available at the time of the work.

Due to the limited nature of the work, there is a possibility that there may exist conditions which could not be identified within the scope of the assessment or which were not apparent at the time of report preparation. It is also possible that the testing methods employed at the time of the report may later be superseded by other methods. PSI does not accept responsibility for changes in the state of the art, nor for changes in the regulations. PSI believes that the findings and conclusions provided in this report are reasonable. However, no other warranties are implied or expressed.

This report for the above referenced property represents the product of PSI's professional expertise and judgment in the environmental and industrial hygiene consulting industry. This report is certified to, can be relied upon by, and has been prepared for the exclusive use of the client. PSI appreciates you selecting our services for your needs. Please contact us at 412-385-0469 should you have any questions regarding this report.

Respectfully Submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.

Michael Kopar, CIE
Project Manager

p:\0816\2023\lbp\water sampling\08165069-3 pine richland\08165069-3 pine richland 2023 lead-in-water screening, rev 1-26-24.docx

Attachments: Drinking Water Sampling Tables
Laboratory Analysis Report & Chain of Custody Records

TABLE 1.0
DRINKING WATER SAMPLES
Pine Richland Eden Hall
Sample Date: November 30, 2023

Sample No.	Source	Sample Location	Sample type	Analytical Result (Pb) (ug/L = ppb)
EH-01	Sink	Kitchen prep by door	First Draw	< 1.0
EH-02	Sink	Kitchen prep dry stor	First Draw	3.8
EH-03	Sink	Kitchen prep by toaster	First Draw	< 1.0
EH-04	Sink	Room 230 guidance	First Draw	< 1.0
EH-05	WF	Inside café (left)	First Draw	< 1.0
EH-06	WF	Outside Café (left)	First Draw	< 1.0
EH-07	WF	Outside Room 314	First Draw	< 1.0
EH-08	WF	Outside Room 514	First Draw	< 1.0
EH-09	WF	Outside Room 525 (R)	First Draw	< 1.0
EH-10	WF	Outside Room 625 (R)	First Draw	< 1.0
EH-11	WF	Outside Room 825 (R)	First Draw	< 1.0
EH-12	WF	Room 632	First Draw	< 1.0

WF – Water Fountain
Bolded results exceeded the EPA Recommended Action Level of 20 ug/L (Pb), the NY State Action Level of 15 ppb and/or the proposed PA State Level of 5 ppb

TABLE 2.0
DRINKING WATER SAMPLES
Pine Richland Hance Elementary
Sample Date: November 30, 2023

Sample No.	Source	Sample Location	Sample type	Analytical Result (Pb) (ug/L = ppb)
HE-13	Faucet	Kitchen main	First Draw	1.5
HE-14	WF	Office restroom	First Draw	< 1.0
HE-14-2	WF	Outside gym	First Draw	< 1.0
HE-15	WF	Outside library	First Draw	< 1.0
HE-16	WF	Outside Room 140	First Draw	< 1.0
HE-19	WF	Room 129	First Draw	< 1.0
HE-20	WF	Room 133	First Draw	< 1.0
HE-21	WF	Room 137	First Draw	< 1.0
HE-22	WF	Room 145 (Faculty)	First Draw	< 1.0
HE-18	WF	Room 108 (L)	First Draw	< 1.0

WF – Water Fountain
Bolded results exceeded the EPA Recommended Action Level of 20 ug/L (Pb), the NY State Action Level of 15 ppb and/or the proposed PA State Level of 5 ppb

TABLE 3.0
DRINKING WATER SAMPLES
Pine Richland High School
Sample Date: November 30, 2023

Sample No.	Source	Sample Location	Sample type	Analytical Result (Pb) (ug/L = ppb)
HS-23	Sink	Kit – near pizza oven	First Draw	< 1.0
HS-24	Sink	Kit – outside Storage C (R)	First Draw	< 1.0
HS-25	Sink	Room 120 Kit 3	First Draw	< 1.0
HS-26	Sink	Room 120 Kit 4	First Draw	< 1.0
HS-27	WF	Cafeteria outside Student Activity	First Draw	No sample collected
HS-28	BF	Outside Attendance office (R)	First Draw	< 1.0
HS-29	WF	Outside Library office	First Draw	< 1.0
HS-30	WF	Outside rear Aud (R)	First Draw	< 1.0
HS-31	WF	Outside Weight Rm	First Draw	< 1.0
HS-32	WF	Room 300M (L)	First Draw	< 1.0
HS-33	WF	Room 317M (L)	First Draw	< 1.0
HS-34	WF	Room 415M (L)	First Draw	< 1.0

WF – Water Fountain
Bolded results exceeded the EPA Recommended Action Level of 20 ug/L (Pb), the NY State Action Level of 15 ppb and/or the proposed PA State Level of 5 ppb

TABLE 4.0
DRINKING WATER SAMPLES
Pine Richland Middle School
Sample Date: November 30, 2023

Sample No.	Source	Sample Location	Sample type	Analytical Result (Pb) (ug/L = ppb)
MS-35	BF	Outside gym	First Draw	< 1.0
MS-36	Sink	FCS Sink 3	First Draw	< 1.0
MS-37	Sink	FCS sink 5	First Draw	< 1.0
MS-38	Sink	Guidance office	First Draw	< 1.0
MS-39	Sink	Kitchen rear	First Draw	1.8
MS-40	WF	Outside cafe	First Draw	3.2
MS-41	WF	Outside E&E	First Draw	< 1.0
MS-42	WF	Outside gym (R)	First Draw	< 1.0
MS-43	WF	RR 206M	First Draw	< 1.0
MS-44	WF	RR 403M	First Draw	< 1.0

WF – Water Fountain
Bolded results exceeded the EPA Recommended Action Level of 20 ug/L (Pb), the NY State Action Level of 15 ppb and/or the proposed PA State Level of 5 ppb

TABLE 5.0
DRINKING WATER SAMPLES
Pine Richland - Richland Elementary
Sample Date: November 30, 2023

Sample No.	Source	Sample Location	Sample type	Analytical Result (Pb) (ug/L = ppb)
RE-45	BF	Outside Room 200	First Draw	< 1.0
RE-46	Sink	Kit Prep by C113	First Draw	3.6
RE-47	**Sink**	**Kit rinse by C113**	**First Draw**	**10.4**
RE-01	Sink	Kit rinse by C113 (12-14-23)	First Draw	2.2
RE-02	Sink	Kit rinse by C113 (1-12-24)	First Draw	3.2
RE-48	WF	Gym – Boys LR	First Draw	< 1.0
RE-49	WF	Outside Room 007	First Draw	< 1.0
RE-50	WF	Outside Room 103 (L)	First Draw	< 1.0
RE-51	WF	Outside Room 117 (lunch)	First Draw	< 1.0
RE-52	WF	Outside Room 219	First Draw	< 1.0
RE-53	No sample			

WF – Water Fountain
Bolded results exceeded the EPA Recommended Action Level of 20 ug/L (Pb), the NY State Action Level of 15 ppb and/or the proposed PA State Level of 5 ppb

TABLE 6.0
DRINKING WATER SAMPLES
Pine Richland Stadium / Athletics
Sample Date: November 30, 2023

Sample No.	Source	Sample Location	Sample type	Analytical Result (Pb) (ug/L = ppb)
SA-54	Sink	Concession A	First Draw	1.4
SA-55	Sink	Home Trainers Room	First Draw	< 1.0
SA-56	Sink	Annex Trainers Rm	First Draw	< 1.0
SA-57	WF	Outside camera loft (L)	First Draw	< 1.0
SA-58	WF	Outside Home LR (R)	First Draw	< 1.0
SA-59	WF	Outside Visit LR (R)	First Draw	< 1.0
SA-60	WF	Outside Weight (R)	First Draw	< 1.0

WF – Water Fountain
Bolded results exceeded the EPA Recommended Action Level of 20 ug/L (Pb), the NY State Action Level of 15 ppb and/or the proposed PA State Level of 5 ppb

TABLE 7.0
DRINKING WATER SAMPLES
Pine Richland Wexford Elementary
Sample Date: November 30, 2023

Sample No.	Source	Sample Location	Sample type	Analytical Result (Pb) (ug/L = ppb)
WE-61	Kettle	Kit Braising sprayer	First Draw	2.4
WE-62	Sink	Kit Food prep	First Draw	2.9
WE-63	WF	Kindergarten Locker Area (R)	First Draw	< 1.0
WE-64	WF	Locker Area (R)	First Draw	< 1.0
WE-65	WF	Outside Rm D 115 music	First Draw	< 1.0
WE-66	WF	Room B104	First Draw	< 1.0
WE-67	WF	Room B120	First Draw	< 1.0
WE-68	WF	Room C111	First Draw	< 1.0
WE-69	WF	Room C118	First Draw	< 1.0
WE-70	WF	Room C130	First Draw	2.8

WF – Water Fountain
Bolded results exceeded the EPA Recommended Action Level of 20 ug/L (Pb), the NY State Action Level of 15 ppb and/or the proposed PA State Level of 5 ppb

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

December 07, 2023

Mike Kopar
Intertek PSI
850 Poplar Street
Pittsburgh, PA 15220

RE: Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

Dear Mike Kopar:

Enclosed are the analytical results for sample(s) received by the laboratory on December 01, 2023. 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

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

Sincerely,

Lori Beyer

Lori A. Beyer
lori.beyer@pacelabs.com
516-370-6014
Project Manager

Enclosures

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

CERTIFICATIONS

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

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

ANALYTICAL RESULTS

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

Sample: EH-1 **Lab ID: 70279319001** Collected: 11/30/23 08:13 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:27	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

Sample: EH-2 **Lab ID: 70279319002** Collected: 11/30/23 08:16 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**3.8**	ug/L	1.0	1		12/06/23 11:32	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

Sample: EH-3 **Lab ID: 70279319003** Collected: 11/30/23 08:14 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:34	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

Sample: EH-4 **Lab ID: 70279319004** Collected: 11/30/23 08:22 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:38	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

Sample: EH-5 **Lab ID: 70279319005** Collected: 11/30/23 08:19 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:40	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

Sample: EH-6 **Lab ID: 70279319006** Collected: 11/30/23 08:17 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:41	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

Sample: EH-7 **Lab ID: 70279319007** Collected: 11/30/23 08:24 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:43	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

Sample: EH-8 **Lab ID: 70279319008** Collected: 11/30/23 08:26 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:44	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

Sample: EH-9 **Lab ID: 70279319009** Collected: 11/30/23 08:28 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:46	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

Sample: EH-10 **Lab ID: 70279319010** Collected: 11/30/23 08:35 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:47	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

Sample: EH-11 **Lab ID: 70279319011** Collected: 11/30/23 08:32 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:49	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

Sample: EH-12 **Lab ID: 70279319012** Collected: 11/30/23 08:36 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:50	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

QC Batch: 329730 | Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 | Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70279319001, 70279319002, 70279319003, 70279319004, 70279319005, 70279319006, 70279319007, 70279319008, 70279319009, 70279319010, 70279319011, 70279319012

METHOD BLANK: 1688119 Matrix: Water
Associated Lab Samples: 70279319001, 70279319002, 70279319003, 70279319004, 70279319005, 70279319006, 70279319007, 70279319008, 70279319009, 70279319010, 70279319011, 70279319012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	12/06/23 11:20	

LABORATORY CONTROL SAMPLE: 1688120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.2	100	85-115	

MATRIX SPIKE SAMPLE: 1688122

Parameter	Units	70279318010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	49.2	98	70-130	

MATRIX SPIKE SAMPLE: 1688124

Parameter	Units	70279319001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	45.7	90	70-130	

SAMPLE DUPLICATE: 1688121

Parameter	Units	70279318010 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1688123

Parameter	Units	70279319001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE RICHLAND-EDEN HALL 11/30
Pace Project No.: 70279319

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70279319001	**EH-1**	EPA 200.8	329730		
70279319002	**EH-2**	EPA 200.8	329730		
70279319003	**EH-3**	EPA 200.8	329730		
70279319004	**EH-4**	EPA 200.8	329730		
70279319005	**EH-5**	EPA 200.8	329730		
70279319006	**EH-6**	EPA 200.8	329730		
70279319007	**EH-7**	EPA 200.8	329730		
70279319008	**EH-8**	EPA 200.8	329730		
70279319009	**EH-9**	EPA 200.8	329730		
70279319010	**EH-10**	EPA 200.8	329730		
70279319011	**EH-11**	EPA 200.8	329730		
70279319012	**EH-12**	EPA 200.8	329730		

Pace® Location Requested (City/State):
Pace Analytical Long Island NY
575 Broad Hollow Rd, Melville, NY 11747

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY - Affix Workorder# Label Here

WO# : 70279319

70279319

Company Name:	INTERTEKLEAD	Contact/Report To:	Mike Kopar
Street Address:	850 Poplar Street, Pittsburgh, PA 15220	Phone #:	412-385-0469
		E-Mail:	mike.kopar@intertek.com
		Cc E-Mail:	
Customer Project #:	08165069.3	Invoice To:	Same
Project Name:	School Lead Sampling Pine-Richland	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):	EDEN HALL	Purchase Order # (if applicable):	
		Quote #:	x
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s):	~~New York~~ Pennsylvania

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

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
[ ] 2 Day [ ] 3 day [ ] 5 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), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

200.8 Drinking Water Lead

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

Lab Use Only
Proj. Mgr: Lori Beyer
AcctNum / Client ID:
Table #:
Profile / Template: 8705
Prelog / Bottle Ord. ID: 1150798

Preservation non-conformance identified for sample.

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. CL2	Number & Type of Containers Plastic	Number & Type of Containers Glass	Sample Comment
EH-1	DW	G	11/30/23	8:13Am					X	
EH-2				8:16Am						
EH-3				8:14Am						
EH-4				8:22Am						
EH-5				8:19Am						
EH-6				8:17Am						
EH-7				8:24Am						
EH-8				8:26Am						
EH-9				8:28 Am						
EH-10				8:35Am						

Customer Remarks / Special Conditions / Possible Hazards:
Lead

Collected By:
Printed Name: Michael Kopar
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)

Relinquished by/Company: (Signature)	Date/Time: 11.30.23	Received by/Company: (Signature)	14.2°C (N)	Date/Time: 12/1/23, 10:55	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)		Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)		Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)		Date/Time:	Page: 1 of 1

Pace® Location Requested (City/State):
Pace Analytical Long Island NY
575 Broad Hollow Rd, Melville, NY 11747

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	INTERTEKLEAD	Contact/Report To:	Mike Kopar
Street Address:	850 Poplar Street, Pittsburgh, PA 15220	Phone #:	412-385-0469
		E-Mail:	mike.kopar@intertek.com
		Cc E-Mail:	
Customer Project #:	08165069.3	Invoice To:	Same
Project Name:	School Lead Samping Pine-Richland	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):	EDEN HALL	Purchase Order # (if applicable):	
		Quote #:	x
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s):	~~New York~~ Pennsylvania

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

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

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

Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

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

Lab Use Only
Proj. Mgr: Lori Beyer
AcctNum / Client ID:
Table #:
Profile / Template: 8705
Prelog / Bottle Ord. ID: 1150798

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	200.8 Drinking Water LEAD	Sample Comment
EH-11	DW	G	11-30-23	8:32AM						X	
EH-12	↓	↓	↓	8:56AM						X	

Preservation non-conformance identified for sample.

Customer Remarks / Special Conditions / Possible Hazards:
Lead

Collected By:
Printed Name: Michael Kopar
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)

Relinquished by/Company: (Signature)	Date/Time: 11-30-23	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

Client: INTERTEKLEAD Profile #: 8705

Work ID: Pine Richland - EDEN HALL 11/30 COC Page _____ of _____

☐ Use Point Number Spreadsheet ☐ Multiday Project

☐ Add SCLOGFD to first sample for field charge

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC
1																																																				
2																																																					
3																																																					
4																																																					
5																																																					
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7																																																					
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9																																																					
10																																																					
11																																																					
12																																																					

Container Codes

Glass				Plastic		Misc.	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic	SP5T	120mL Coliform Na Thio
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	R	Terracore Kit
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic	WGFU	4oz Unpreserved Jar
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic	WGKU	8oz Unpreserved Jar
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic	TEDL	Tedlar Bag
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	GN	General
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma	WP	Wipe
		AG1A	(NH4Cl)	BP35	250mL Ammonium Acetate		
WG9O	8oz clear soil jar			BP3R	250mL NH4SO4-NH4OH		
WG4O	4oz clear soil jar			BP1Z	1L NaOH, Zn Acetate		
				BP1N	1L HNO3 plastic		
				BP1B	Na Thiosulfate Amber Bottle		

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClActetic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials _____

Additional Comments

WO# : 70279319
PM: LAB Due Date: 12/15/23
CLIENT: INTERTEKLEAD

WO#: 70279319
PM: LAB Due Date: 12/15/23
CLIENT: INTERTEKLEAD

Client Name: INTERTEKLEAD Project #

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Clien ☐ Commercia ☐ Pace ☐ Other

Tracking #: 7107 9430 3158

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: +0.4 ☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 13.8 Cooler Temperature Corrected(°C): 14.2 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: 12/11/23 JH

				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	☑Yes	☐No		12.
Matrix:	SL	WT	OIL OTHER	

Date and Initials of person checking preservation: JH 12/11/23

All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # 227822				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 #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sul	☐Yes	☐No	☑N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
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	

DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW : _____

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

TABLE 2.0
DRINKING WATER SAMPLES
Pine Richland Hance Elementary
Sample Date: November 30, 2023

Sample No.	Source	Sample Location	Sample type	Analytical Result (Pb) (ug/L = ppb)
HE-13	Faucet	Kitchen main	First Draw	1.5
HE-14	WF	Office restroom	First Draw	< 1.0
HE-14-2	WF	Outside gym	First Draw	< 1.0
HE-15	WF	Outside library	First Draw	< 1.0
HE-16	WF	Outside Room 140	First Draw	< 1.0
HE-19	WF	Room 129	First Draw	< 1.0
HE-20	WF	Room 133	First Draw	< 1.0
HE-21	WF	Room 137	First Draw	< 1.0
HE-22	WF	Room 145 (Faculty)	First Draw	< 1.0
HE-18	WF	Room 108 (L)	First Draw	< 1.0

WF – Water Fountain
Bolded results exceeded the EPA Recommended Action Level of 20 ug/L (Pb), the NY State Action Level of 15 ppb and/or the proposed PA State Level of 5 ppb

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

December 07, 2023

Mike Kopar
Intertek PSI
850 Poplar Street
Pittsburgh, PA 15220

RE: Project: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

Dear Mike Kopar:

Enclosed are the analytical results for sample(s) received by the laboratory on December 01, 2023. 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

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

Sincerely,

Lori Beyer

Lori A. Beyer
lori.beyer@pacelabs.com
516-370-6014
Project Manager

Enclosures

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

CERTIFICATIONS

Project: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

Sample: H-13 **Lab ID: 70279361001** Collected: 11/30/23 06:51 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**2.5**	ug/L	1.0	1		12/06/23 13:08	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

Sample: H-14 **Lab ID: 70279361002** Collected: 11/30/23 06:54 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 13:16	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

Sample: H-14-2 **Lab ID: 70279361003** Collected: 11/30/23 06:56 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 13:18	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

Sample: H-15 **Lab ID: 70279361004** Collected: 11/30/23 07:18 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 13:19	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

Sample: H-16 **Lab ID: 70279361005** Collected: 11/30/23 06:59 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 13:21	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

Sample: H-19 **Lab ID: 70279361006** Collected: 11/30/23 07:02 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 13:22	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

Sample: H-20 **Lab ID: 70279361007** Collected: 11/30/23 07:05 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 13:24	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

Sample: H-21 **Lab ID: 70279361008** Collected: 11/30/23 07:10 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 13:25	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

Sample: H-22 **Lab ID: 70279361009** Collected: 11/30/23 07:08 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 13:27	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

Sample: H-18 **Lab ID: 70279361010** Collected: 11/30/23 07:14 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 13:28	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

QC Batch: 329733 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70279361001, 70279361002, 70279361003, 70279361004, 70279361005, 70279361006, 70279361007, 70279361008, 70279361009, 70279361010

METHOD BLANK: 1688136 Matrix: Water
Associated Lab Samples: 70279361001, 70279361002, 70279361003, 70279361004, 70279361005, 70279361006, 70279361007, 70279361008, 70279361009, 70279361010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	12/06/23 13:05	

LABORATORY CONTROL SAMPLE: 1688137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.5	101	85-115	

MATRIX SPIKE SAMPLE: 1688139

Parameter	Units	70279361001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	2.5	50	51.1	97	70-130	

SAMPLE DUPLICATE: 1688138

Parameter	Units	70279361001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	2.5	2.4	1	

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: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE-RICHLAND-HANCE 11/30
Pace Project No.: 70279361

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70279361001	**H-13**	EPA 200.8	329733		
70279361002	**H-14**	EPA 200.8	329733		
70279361003	**H-14-2**	EPA 200.8	329733		
70279361004	**H-15**	EPA 200.8	329733		
70279361005	**H-16**	EPA 200.8	329733		
70279361006	**H-19**	EPA 200.8	329733		
70279361007	**H-20**	EPA 200.8	329733		
70279361008	**H-21**	EPA 200.8	329733		
70279361009	**H-22**	EPA 200.8	329733		
70279361010	**H-18**	EPA 200.8	329733		

Pace® Location Requested (City/State):
Pace Analytical Long Island NY
575 Broad Hollow Rd, Melville, NY 11747

CHAIN-OF-CUSTODY Anaiytical Request Document

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

WO# : 70279361

70279361

Company Name:	INTERTEKLEAD	Contact/Report To:	Mike Kopar
Street Address:	850 Poplar Street, Pittsburgh, PA 15220	Phone #:	412-385-6469
		E-Mail:	mike.kopar@intertek.com
		Cc E-Mail:	
Customer Project #:	08165069.3	Invoice To:	Same
Project Name:	School Lead Samping Pine - Richland	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):	HANCE	Purchase Order # (if applicable):	
		Quote #:	x
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s):	~~New York~~ Pennsylvania

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

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

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

Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

200.8 Drinking Water LEAD

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

Lab Use Only
Proj. Mgr: Lori Beyer
AcctNum / Client ID:
Table #:
Profile / Template: 8705
Prelog / Bottle Ord. ID: 1150798

Preservation non-conformance identified for sample.

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. CL2	Number & Type of Containers Plastic	Number & Type of Containers Glass	200.8 Drinking Water LEAD	Sample Comment
H-13	DW	G	11-30-23	6:51AM	11-30-23					X	
H-14				6:54AM	11-30-23						
H-14-2				6:56AM							
H-15				7:18AM							
H-16				6:59AM							
H-19				7:02AM							
H-20				7:05AM							
H-21				7:10AM							
H-22				7:09AM							
H-18				7:14AM							

Customer Remarks / Special Conditions / Possible Hazards:
Lead

Collected By:
Printed Name: Michael Kopar
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)

	Date/Time:		Date/Time:	
Relinquished by/Company: (Signature)	11.30.23	Received by/Company: (Signature)	14.2°C, N	12/1/23, 10:55
Relinquished by/Company: (Signature)		Received by/Company: (Signature)		
Relinquished by/Company: (Signature)		Received by/Company: (Signature)		
Relinquished by/Company: (Signature)		Received by/Company: (Signature)		

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier
[ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Page 6 of 18

Client: INTERTEKLEAD Profile #: 8705

Work ID: Pine-Richland-Hance 11/30 COC Page _____ of _____

☐ Use Point Number Spreadsheet ☐ Multiday Project

☐ Add SCLOGFD to first sample for field charge

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP3S	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC
1																																1																						
2																																1																						
3																																1																						
4																																1																						
5																																1																						
6																																1																						
7																																1																						
8																																1																						
9																																1																						
10																																1																						
11																																																					
12																																																					

Container Codes

Glass				Plastic		Misc.	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic	SP5T	120mL Coliform Na Thio
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	R	Terracore Kit
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic	WGFU	4oz Unpreserved Jar
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic	WGKU	8oz Unpreserved Jar
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic	TEDL	Tedlar Bag
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	GN	General
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma	WP	Wipe
		AG1A	(NH4Cl)	BP3S	250mL Ammonium Acetate		
WG9O	8oz clear soil jar			BP3R	250mL NH4SO4-NH4OH		
WG4O	4oz clear soil jar			BP1Z	1L NaOH, Zn Acetate		
				BP1N	1L HNO3 plastic		
				BP1B	Na Thiosulfate Amber Bottle		

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClActetic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosultate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials _____

Additional Comments

WO#: 70279361
PM: LAB Due Date: 12/15/23
CLIENT: INTERTEKLEAD

WO# : 70279361
PM: LAB Due Date: 12/15/23
CLIENT: INTERTEKLEAD

Client Name: Interteklead **Project #**

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

Tracking #: 7107 9430 3170

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:** +0.4 ☐ Samples on ice, cooling process has begun
Cooler Temperature(°C): **Cooler Temperature Corrected(°C):** **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 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: AS 12/1/23

				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	☑Yes	☐No		12.
Matrix:	SL	WT	OIL OTHER	

Date and Initials of person checking preservation: AS

All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # 227822V				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 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	

DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW :

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

* PM (Project Manager) review is documented electronically in LIMS.

TABLE 3.0
DRINKING WATER SAMPLES
Pine Richland High School
Sample Date: November 30, 2023

Sample No.	Source	Sample Location	Sample type	Analytical Result (Pb) (ug/L = ppb)
HS-23	Sink	Kit – near pizza oven	First Draw	< 1.0
HS-24	Sink	Kit – outside Storage C (R)	First Draw	< 1.0
HS-25	Sink	Room 120 Kit 3	First Draw	< 1.0
HS-26	Sink	Room 120 Kit 4	First Draw	< 1.0
HS-27	WF	Cafeteria outside Student Activity	First Draw	No sample collected
HS-28	BF	Outside Attendance office (R)	First Draw	< 1.0
HS-29	WF	Outside Library office	First Draw	< 1.0
HS-30	WF	Outside rear Aud (R)	First Draw	< 1.0
HS-31	WF	Outside Weight Rm	First Draw	< 1.0
HS-32	WF	Room 300M (L)	First Draw	< 1.0
HS-33	WF	Room 317M (L)	First Draw	< 1.0
HS-34	WF	Room 415M (L)	First Draw	< 1.0

WF – Water Fountain
Bolded results exceeded the EPA Recommended Action Level of 20 ug/L (Pb), the NY State Action Level of 15 ppb and/or the proposed PA State Level of 5 ppb

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

December 07, 2023

Mike Kopar
Intertek PSI
850 Poplar Street
Pittsburgh, PA 15220

RE: Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

Dear Mike Kopar:

Enclosed are the analytical results for sample(s) received by the laboratory on December 01, 2023. 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

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

Sincerely,

Lori Beyer

Lori A. Beyer
lori.beyer@pacelabs.com
516-370-6014
Project Manager

Enclosures

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

CERTIFICATIONS

Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

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

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

Sample: HS-23 **Lab ID: 70279326001** Collected: 11/30/23 06:30 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:39	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

Sample: HS-24 **Lab ID: 70279326002** Collected: 11/30/23 06:30 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:41	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

Sample: HS-25 **Lab ID: 70279326003** Collected: 11/30/23 06:30 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:42	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

Sample: HS-26 **Lab ID: 70279326004** Collected: 11/30/23 06:47 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:44	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

Sample: HS-28 BF **Lab ID: 70279326005** Collected: 11/30/23 06:47 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:46	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

Sample: HS-29 **Lab ID: 70279326006** Collected: 11/30/23 06:47 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:47	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

Sample: HS-30 **Lab ID: 70279326007** Collected: 11/30/23 07:14 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:49	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

Sample: HS-31 **Lab ID: 70279326008** Collected: 11/30/23 06:51 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:50	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

Sample: HS-32 **Lab ID: 70279326009** Collected: 11/30/23 06:51 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:52	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

Sample: HS-33 **Lab ID: 70279326010** Collected: 11/30/23 07:00 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:56	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

Sample: HS-34 **Lab ID: 70279326011** Collected: 11/30/23 07:00 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:58	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

QC Batch: 329732 | Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 | Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70279326001, 70279326002, 70279326003, 70279326004, 70279326005, 70279326006, 70279326007, 70279326008, 70279326009, 70279326010, 70279326011

METHOD BLANK: 1688129 Matrix: Water
Associated Lab Samples: 70279326001, 70279326002, 70279326003, 70279326004, 70279326005, 70279326006, 70279326007, 70279326008, 70279326009, 70279326010, 70279326011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	12/06/23 12:06	

LABORATORY CONTROL SAMPLE: 1688130

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.9	100	85-115	

MATRIX SPIKE SAMPLE: 1688132

Parameter	Units	70279321007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	47.9	95	70-130	

MATRIX SPIKE SAMPLE: 1688134

Parameter	Units	70279321008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	44.9	89	70-130	

SAMPLE DUPLICATE: 1688131

Parameter	Units	70279321007 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1688133

Parameter	Units	70279321008 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE-RICHLAND HIGH SCHOOL11/30
Pace Project No.: 70279326

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70279326001	**HS-23**	EPA 200.8	329732		
70279326002	**HS-24**	EPA 200.8	329732		
70279326003	**HS-25**	EPA 200.8	329732		
70279326004	**HS-26**	EPA 200.8	329732		
70279326005	**HS-28 BF**	EPA 200.8	329732		
70279326006	**HS-29**	EPA 200.8	329732		
70279326007	**HS-30**	EPA 200.8	329732		
70279326008	**HS-31**	EPA 200.8	329732		
70279326009	**HS-32**	EPA 200.8	329732		
70279326010	**HS-33**	EPA 200.8	329732		
70279326011	**HS-34**	EPA 200.8	329732		

Pace® Location Requested (City/State):
Pace Analytical Long Island NY
575 Broad Hollow Rd, Melville, NY 11747

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 70279326

70279326

Company Name:	INTERTEKLEAD	Contact/Report To:	Mike Kopar
Street Address:	850 Poplar Street, Pittsburgh, PA 15220	Phone #:	412-385-0469
		E-Mail:	mike.kopar@intertek.com
		Cc E-Mail:	
Customer Project #:	08165069.3	Invoice To:	Same
Project Name:	School Lead Sampling Pine-Richland	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):	High School	Purchase Order # (if applicable):	
		Quote #:	X
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	~~New York~~ Pennsylvania

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

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 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), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	200.8 Drinking Water LEAD
HS-23	DW	G	11/29/23	6:30						X
HS-24										X
HS-25										X
HS-26				6:47						X
										X
HS-28 BF										X
HS-29										X
HS-30				7:04						X
HS-31				6:51						X
HS-32										X

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

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

Lab Use Only
- Proj. Mgr: Lori Beyer
- AcctNum / Client ID:
- Table #:
- Profile / Template: 8705
- Prelog / Bottle Ord. ID: 1150798

Sample Comment

Preservation non-conformance identified for sample.

Customer Remarks / Special Conditions / Possible Hazards:
Lead

Collected By:
Printed Name: Michael Kopar
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)

Relinquished by/Company: (Signature)	Date/Time: 11.29.23	Received by/Company: (Signature) (14.2°C) (N)	Date/Time: 12/1/23, 10:55	Tracking Number:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:		
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1	

Pace® Location Requested (City/State):
Pace Analytical Long Island NY
575 Broad Hollow Rd, Melville, NY 11747

CHAIN-OF-CUSTODY Analytical Request Document

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

LIS ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	INTERTEKLEAD	Contact/Report To:	Mike Kopar
Street Address:	850 Poplar Street, Pittsburgh, PA 15220	Phone #:	412-385-0419
		E-Mail:	mike.kopar@intertek.com
		Cc E-Mail:	
Customer Project #:	08165069.3	Invoice To:	Same
Project Name:	School Lead Sampling Pine-Richland	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):	High school	Purchase Order # (if applicable):	
		Quote #:	X
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s):	~~New York~~ Pennsylvania
Data Deliverables:	[ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable:	
		Rush (Pre-approval required):	[ ] 2 Day [ ] 3 day [ ] 5 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), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	200.8 Drinking Water 1200	Sample Comment
HS-33	DW	G	11-30-23	700						X	
HS-34	↓	↓	↓							X	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

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

Lab Use Only

Proj. Mgr: Lori Beyer
AcctNum / Client ID:
Table #:
Profile / Template: 8705
Prelog / Bottle Ord. ID: 1150798

Preservation non-conformance identified for sample.

Customer Remarks / Special Conditions / Possible Hazards:
Lead

Collected By:
Printed Name: Michael Kopar
Signature: Michael Kopar

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)

Relinquished by/Company: (Signature) Michael Kopar	Date/Time: 11-30-23	Received by/Company: (Signature) Pace PHL (4.2°C) (N)	Date/Time: 12/1/23, 10:55	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

2

Client: INTERTEK/LEAD Profile #: 8705

Work ID: Pine-Richard High School 11/30 COC Page _____ of _____

☐ Use Point Number Spreadsheet ☐ Multiday Project

☐ Add SCLOGFD to first sample for field charge

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC
1																																																				
2																																																					
3																																																					
4																																																					
5																																																					
6																																																					
7																																																					
8																																																					
9																																																					
10																																																					
11																																																					
12																																																					

Container Codes

Glass				Plastic		Misc.	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic	SP5T	120mL Coliform Na Thio
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	R	Terracore Kit
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic	WGFU	4oz Unpreserved Jar
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic	WGKU	8oz Unpreserved Jar
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic	TEDL	Tedlar Bag
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	GN	General
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma	WP	Wipe
		AG1A	(NH4Cl)	BP35	250mL Ammonium Acetate		
WG9O	8oz clear soil jar			BP3R	250mL NH4SO4-NH4OH		
WG4O	4oz clear soil jar			BP1Z	1L NaOH, Zn Acetate		
				BP1N	1L HNO3 plastic		
				BP1B	Na Thiosulfate Amber Bottle		

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClActetic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials _____

Additional Comments

WO# : 70279326

PM: LAB Due Date: 12/15/23

CLIENT: INTERTEKLEAD

WO#: 70279326
PM: LAB Due Date: 12/15/23
CLIENT: INTERTEKLEAD

Client Name: INTERTEKLEAD Project #

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

Tracking #: 7107 9430 3158

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: +0.4 ☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 13.8 Cooler Temperature Corrected(°C): 14.2 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: JH 12/11/23

				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	☑Yes	☐No		12.
Matrix:	SL	WT	OIL OTHER	

Date and Initials of person checking preservation: JH 12/11/23

All containers needing preservation have been pH paper Lot # 227822	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl 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 #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sul	☐Yes	☐No	☑N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
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	

DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW: _____

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

TABLE 4.0
DRINKING WATER SAMPLES
Pine Richland Middle School
Sample Date: November 30, 2023

Sample No.	Source	Sample Location	Sample type	Analytical Result (Pb) (ug/L = ppb)
MS-35	BF	Outside gym	First Draw	< 1.0
MS-36	Sink	FCS Sink 3	First Draw	< 1.0
MS-37	Sink	FCS sink 5	First Draw	< 1.0
MS-38	Sink	Guidance office	First Draw	< 1.0
MS-39	Sink	Kitchen rear	First Draw	1.8
MS-40	WF	Outside cafe	First Draw	3.2
MS-41	WF	Outside E&E	First Draw	< 1.0
MS-42	WF	Outside gym (R)	First Draw	< 1.0
MS-43	WF	RR 206M	First Draw	< 1.0
MS-44	WF	RR 403M	First Draw	< 1.0

WF – Water Fountain
Bolded results exceeded the EPA Recommended Action Level of 20 ug/L (Pb), the NY State Action Level of 15 ppb and/or the proposed PA State Level of 5 ppb

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

December 07, 2023

Mike Kopar
Intertek PSI
850 Poplar Street
Pittsburgh, PA 15220

RE: Project: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

Dear Mike Kopar:

Enclosed are the analytical results for sample(s) received by the laboratory on December 01, 2023. 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

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

Sincerely,

Lori A. Beyer
lori.beyer@pacelabs.com
516-370-6014
Project Manager

Enclosures

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

CERTIFICATIONS

Project: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

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

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

ANALYTICAL RESULTS

Project: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

Sample: MS-35 **Lab ID: 70279318001** Collected: 11/30/23 00:00 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:03	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

Sample: MS-36 **Lab ID: 70279318002** Collected: 11/30/23 00:00 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:05	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

Sample: MS-37 **Lab ID: 70279318003** Collected: 11/30/23 00:00 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:06	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

Sample: MS-38 **Lab ID: 70279318004** Collected: 11/30/23 00:00 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:08	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

Sample: MS-39 **Lab ID: 70279318005** Collected: 11/30/23 00:00 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**1.8**	ug/L	1.0	1		12/06/23 11:09	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

Sample: MS-40 **Lab ID: 70279318006** Collected: 11/30/23 00:00 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**3.2**	ug/L	1.0	1		12/06/23 11:11	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

Sample: MS-41 **Lab ID: 70279318007** Collected: 11/30/23 07:48 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:12	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

Sample: MS-42 **Lab ID: 70279318008** Collected: 11/30/23 07:27 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:14	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

Sample: MS-43 **Lab ID: 70279318009** Collected: 11/30/23 07:38 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:15	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

Sample: MS-44 **Lab ID: 70279318010** Collected: 11/30/23 07:38 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:23	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

QC Batch: 329728
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70279318001, 70279318002, 70279318003, 70279318004, 70279318005, 70279318006, 70279318007, 70279318008, 70279318009

METHOD BLANK: 1688113 Matrix: Water
Associated Lab Samples: 70279318001, 70279318002, 70279318003, 70279318004, 70279318005, 70279318006, 70279318007, 70279318008, 70279318009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	12/06/23 10:31	

LABORATORY CONTROL SAMPLE: 1688114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.7	101	85-115	

MATRIX SPIKE SAMPLE: 1688116

Parameter	Units	70279521001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	46.6	93	70-130	

MATRIX SPIKE SAMPLE: 1688118

Parameter	Units	70279317001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	2.4	50	46.3	88	70-130	

SAMPLE DUPLICATE: 1688115

Parameter	Units	70279521001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1688117

Parameter	Units	70279317001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	2.4	2.4	1	

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: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

QC Batch: 329730
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70279318010

METHOD BLANK: 1688119 Matrix: Water
Associated Lab Samples: 70279318010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	12/06/23 11:20	

LABORATORY CONTROL SAMPLE: 1688120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.2	100	85-115	

MATRIX SPIKE SAMPLE: 1688122

Parameter	Units	70279318010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	49.2	98	70-130	

MATRIX SPIKE SAMPLE: 1688124

Parameter	Units	70279319001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	45.7	90	70-130	

SAMPLE DUPLICATE: 1688121

Parameter	Units	70279318010 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1688123

Parameter	Units	70279319001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE RICHLAND MIDDLE SCHOOL
Pace Project No.: 70279318

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70279318001	**MS-35**	EPA 200.8	329728		
70279318002	**MS-36**	EPA 200.8	329728		
70279318003	**MS-37**	EPA 200.8	329728		
70279318004	**MS-38**	EPA 200.8	329728		
70279318005	**MS-39**	EPA 200.8	329728		
70279318006	**MS-40**	EPA 200.8	329728		
70279318007	**MS-41**	EPA 200.8	329728		
70279318008	**MS-42**	EPA 200.8	329728		
70279318009	**MS-43**	EPA 200.8	329728		
70279318010	**MS-44**	EPA 200.8	329730		

Pace® Location Requested (City/State):
Pace Analytical Long Island NY
575 Broad Hollow Rd, Melville, NY 11747

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY - Affix Workorder/Login Label Here

WO# : 70279318

70279318

Company Name:	INTERTEKLEAD	Contact/Report To:	Mike Kopar
Street Address:	850 Poplar Street. Pittsburgh, PA 15220	Phone #:	412-385-0469
		E-Mail:	mike.kopar@intertek.com
		Cc E-Mail:	
Customer Project #:	08165069.3	Invoice To:	Same
Project Name:	School Lead Sampling Pine-Richland	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):	MIDDLE SCHOOL	Purchase Order # (if applicable):	
		Quote #:	x
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s):	~~New York~~ Pennsylvania

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

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
[ ] 2 Day [ ] 3 day [ ] 5 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), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. CL2	Number & Type of Containers Plastic	Number & Type of Containers Glass	200.8 Drinking Water (DW)	Sample Comment
MS-35	DW	G	11/30/23							X	
MS-36										X	
MS-37										X	
MS-38										X	
MS-39										X	
MS-40										X	
MS-41				748						X	
MS-42				727						X	
MS-43				738						X	
MS-44										X	

Specify Container Size **
Identify Container Preservative Type***
Analysis Requested

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

Lab Use Only
Proj. Mgr: Lori Beyer
AcctNum / Client ID:
Table #:
Profile / Template: 8705
Prelog / Bottle Ord. ID: 1150798

Preservation non-conformance identified for sample.

Customer Remarks / Special Conditions / Possible Hazards:
Lead

Collected By:
Printed Name: Michael Kopar
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)

Relinquished by/Company: (Signature)	Date/Time: 11.30.23	Received by/Company: (Signature)	Date/Time: 12/1/23, 10:55
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

DC#_Title: ENV-FRM-MELV-0150 v1_Sample Container Count Melville
Effective Date: 4/10/2023

WO#: 70279318
PM: LAB Due Date: 12/15/23
CLIENT: INTERTEKLEAD

Client: INTERTEK/LEAD Profile #: 8705

Work ID: PINE-RICHLAND-MIDDLE SCHOOL 11/30 COC Page ______ of ______

☐ Use Point N

☐ Add SCLOGFU to first sample

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC
1																																↓		Kevin																	
2																																																			
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10																																																			
11																																																			
12																																20																			

Container Codes

Glass			
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass
		AG1A	(NH4Cl)
WG9O	8oz clear soil jar		
WG4O	4oz clear soil jar		

Plastic	
BP4U	125mL unpreserved plastic
BP3U	250mL unpreserved plastic
BP2U	500mL unpreserved plastic
BP1U	1L unpreserved plastic
BP4N	125mL HNO3 plastic
BP3N	250mL HNO3 plastic
BP2N	500mL HNO3 plastic
BP3S	250mL H2SO4 plastic
BP2S	500mL H2SO4 plastic
BP3C	NaOH 250mL bottle
BP3T	250mL Trizma
BP35	250mL Ammonium Acetate
BP3R	250mL NH4SO4-NH4OH
BP1Z	1L NaOH, Zn Acetate
BP1N	1L HNO3 plastic
BP1B	Na Thiosulfate Amber Bottle

Misc.	
SP5T	120mL Coliform Na Thio
R	Terracore Kit
WG2U	2oz Unpreserved Jar
WGFU	4oz Unpreserved Jar
WGKU	8oz Unpreserved Jar
WGDU	16oz Unpreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClActetic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials: [signature]

Additional Comments

WO#: 70279318
PM: LAB **Due Date: 12/15/23**
CLIENT: INTERTEKLEAD

Client Name: INTERTEK LEAD Project #

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

Tracking #: 7109 9430 3170

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: +0.4 ☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 14.2 Cooler Temperature Corrected(°C): 14.6 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 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 12/5/23

				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.

Date and Initials of person checking preservation: SH 12/5/23

All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # 227822				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 #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sul	☐Yes	☐No	☑N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
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	

DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW: BRG 12/5/23

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

TABLE 5.0
DRINKING WATER SAMPLES
Pine Richland - Richland Elementary
Sample Date: November 30, 2023

Sample No.	Source	Sample Location	Sample type	Analytical Result (Pb) (ug/L = ppb)
RE-45	BF	Outside Room 200	First Draw	< 1.0
RE-46	Sink	Kit Prep by C113	First Draw	3.6
RE-47	**Sink**	**Kit rinse by C113**	**First Draw**	**10.4**
RE-48	WF	Gym – Boys LR	First Draw	< 1.0
RE-49	WF	Outside Room 007	First Draw	< 1.0
RE-50	WF	Outside Room 103 (L)	First Draw	< 1.0
RE-51	WF	Outside Room 117 (lunch)	First Draw	< 1.0
RE-52	WF	Outside Room 219	First Draw	< 1.0
RE-53	WF	Outside Room J200 (R)	First Draw	< 1.0

WF – Water Fountain
Bolded results exceeded the EPA Recommended Action Level of 20 ug/L (Pb), the NY State Action Level of 15 ppb and/or the proposed PA State Level of 5 ppb

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

December 08, 2023

Mike Kopar
Intertek PSI
850 Poplar Street
Pittsburgh, PA 15220

RE: Project: PINE-RICHLAND ELEMENTARY 11/30
Pace Project No.: 70279321

Dear Mike Kopar:

Enclosed are the analytical results for sample(s) received by the laboratory on December 01, 2023. 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

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

Sincerely,

Lori Beyer

Lori A. Beyer
lori.beyer@pacelabs.com
516-370-6014
Project Manager

Enclosures

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

CERTIFICATIONS

Project: PINE-RICHLAND ELEMENTARY 11/30
Pace Project No.: 70279321

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND ELEMENTARY 11/30
Pace Project No.: 70279321

Sample: H-45 **Lab ID: 70279321001** Collected: 11/30/23 07:47 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 11:52	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND ELEMENTARY 11/30
Pace Project No.: 70279321

Sample: H-46 **Lab ID: 70279321002** Collected: 11/30/23 07:38 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**3.6**	ug/L	1.0	1		12/06/23 11:58	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND ELEMENTARY 11/30
Pace Project No.: 70279321

Sample: H-47 **Lab ID: 70279321003** Collected: 11/30/23 07:46 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**10.4**	ug/L	1.0	1		12/06/23 12:00	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND ELEMENTARY 11/30
Pace Project No.: 70279321

Sample: H-48 **Lab ID: 70279321004** Collected: 11/30/23 07:59 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:01	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND ELEMENTARY 11/30
Pace Project No.: 70279321

Sample: H-49 **Lab ID: 70279321005** Collected: 11/30/23 07:56 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:03	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND ELEMENTARY 11/30
Pace Project No.: 70279321

Sample: H-50 **Lab ID: 70279321006** Collected: 11/30/23 07:45 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:04	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND ELEMENTARY 11/30
Pace Project No.: 70279321

Sample: H-51 **Lab ID: 70279321007** Collected: 11/30/23 07:52 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:09	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND ELEMENTARY 11/30
Pace Project No.: 70279321

Sample: H-52 **Lab ID: 70279321008** Collected: 11/30/23 07:51 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:16	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: PINE-RICHLAND ELEMENTARY 11/30
Pace Project No.: 70279321

QC Batch: 329730 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70279321001, 70279321002, 70279321003, 70279321004, 70279321005, 70279321006

METHOD BLANK: 1688119 Matrix: Water
Associated Lab Samples: 70279321001, 70279321002, 70279321003, 70279321004, 70279321005, 70279321006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	12/06/23 11:20	

LABORATORY CONTROL SAMPLE: 1688120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.2	100	85-115	

MATRIX SPIKE SAMPLE: 1688122

Parameter	Units	70279318010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	49.2	98	70-130	

MATRIX SPIKE SAMPLE: 1688124

Parameter	Units	70279319001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	45.7	90	70-130	

SAMPLE DUPLICATE: 1688121

Parameter	Units	70279318010 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1688123

Parameter	Units	70279319001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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: PINE-RICHLAND ELEMENTARY 11/30
Pace Project No.: 70279321

QC Batch: 329732
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70279321007, 70279321008

METHOD BLANK: 1688129 Matrix: Water
Associated Lab Samples: 70279321007, 70279321008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	12/06/23 12:06	

LABORATORY CONTROL SAMPLE: 1688130

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.9	100	85-115	

MATRIX SPIKE SAMPLE: 1688132

Parameter	Units	70279321007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	47.9	95	70-130	

MATRIX SPIKE SAMPLE: 1688134

Parameter	Units	70279321008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	44.9	89	70-130	

SAMPLE DUPLICATE: 1688131

Parameter	Units	70279321007 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1688133

Parameter	Units	70279321008 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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: PINE-RICHLAND ELEMENTARY 11/30
Pace Project No.: 70279321

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE-RICHLAND ELEMENTARY 11/30
Pace Project No.: 70279321

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70279321001	**H-45**	EPA 200.8	329730		
70279321002	**H-46**	EPA 200.8	329730		
70279321003	**H-47**	EPA 200.8	329730		
70279321004	**H-48**	EPA 200.8	329730		
70279321005	**H-49**	EPA 200.8	329730		
70279321006	**H-50**	EPA 200.8	329730		
70279321007	**H-51**	EPA 200.8	329732		
70279321008	**H-52**	EPA 200.8	329732		

Pace® Location Requested (City/State):
Pace Analytical Long Island NY
575 Broad Hollow Rd, Melville, NY 11747

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 70279321

70279321

Company Name:	INTERTEKLEAD	Contact/Report To:	Mike Kopar
Street Address:	850 Poplar Street, Pittsburgh, PA 15220	Phone #:	412-385-0469
		E-Mail:	mike.kopar@intertek.com
		Cc E-Mail:	
Customer Project #:	08165069.3	Invoice To:	Same
Project Name:	School Lead Sampling Pine-Richland	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):	Richland Elementary	Purchase Order # (if applicable):	
		Quote #:	x
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s):	~~New York~~ Pennsylvania
Data Deliverables:	[ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable:	
		Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other	DW PWSID # or WW Permit # as applicable:
		Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

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

Lab Use Only

Proj. Mgr: Lori Beyer

AcctNum / Client ID:

Table #:

Profile / Template: 8705

Prelog / Bottle Ord. ID: 1150798

Preservation non-conformance identified for sample.

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. CL2	Number & Type of Containers Plastic	Number & Type of Containers Glass	200.8 Drinking Water LEAD	Sample Comment
H-45	DW	G	11/30/23	7:47AM						X	
H-46				7:38AM						X	
H-47				7:41AM						X	
H-48				7:59AM						X	
H-49				7:56AM						X	
H-50				7:45AM						X	
H-51				7:52AM						X	
H-52				7:58AM						X	
H-53	↓	↓	↓ NO TEST							X	

Customer Remarks / Special Conditions / Possible Hazards:
Lead

Collected By:
Printed Name: Michael Kopar
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)

Relinquished by/Company: (Signature)	Date/Time: 11.30.23	Received by/Company: (Signature)	(14.2°C) (N)	Date/Time: 12/1/23, 10:55	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)		Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)		Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)		Date/Time:	Page: 1 of 1

WO# : 70279321
PM: LAB **Due Date: 12/15/23**
CLIENT: INTERTEKLEAD

Client: INTERTEK/LEAD Profile #: 8705

Work ID: Pine-Richard Elementary 11/30 COC Page _____ of _____

☐ Use Point Num

☐ Add SCLOGFD to first sample for field charge

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP3S	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC
1																															1																					
2																															1																					
3																															1																					
4																															1																					
5																															1																					
6																															1																					
7																															1																					
8																															1																					
9																															1																					
10																																																				
11																																																			
12																																																				

Container Codes

Glass				Plastic		Misc.	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic	SP5T	120mL Coliform Na Thio
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	R	Terracore Kit
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic	WGFU	4oz Unpreserved Jar
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic	WGKU	8oz Unpreserved Jar
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic	TEDL	Tedlar Bag
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	GN	General
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma	WP	Wipe
		AG1A	(NH4Cl)	BP3S	250mL Ammonium Acetate		
WG9O	8oz clear soil jar			BP3R	250mL NH4SO4-NH4OH		
WG4O	4oz clear soil jar			BP1Z	1L NaOH, Zn Acetate		
				BP1N	1L HNO3 plastic		
				BP1B	Na Thiosulfate Amber Bottle		

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClActetic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials _____

Additional Comments

WO#: 70279321
PM: LAB Due Date: 12/15/23
CLIENT: INTERTEKLEAD

Client Name: INTERTEKLEAD Project

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

Tracking #: 7107 9430 3158

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: +0.4 ☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 13.8 Cooler Temperature Corrected(°C): 14.2 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 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 12/1/23

				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	☑Yes	☐No		12.
Matrix:	SL	(WT)	OIL OTHER	

Date and Initials of person checking preservation: SH 12/1/23

All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # 227822 ✓				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 #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sul	☐Yes	☐No	☑N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
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	

DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW : _____

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution: Sample bottles ID start with "H" which did not match with COC sample start with "PR".

* PM (Project Manager) review is documented electronically in LIMS.

TABLE 6.0
DRINKING WATER SAMPLES
Pine Richland Stadium / Athletics
Sample Date: November 30, 2023

Sample No.	Source	Sample Location	Sample type	Analytical Result (Pb) (ug/L = ppb)
SA-54	Sink	Concession A	First Draw	1.4
SA-55	Sink	Home Trainers Room	First Draw	< 1.0
SA-56	Sink	Annex Trainers Rm	First Draw	< 1.0
SA-57	WF	Outside camera loft (L)	First Draw	< 1.0
SA-58	WF	Outside Home LR (R)	First Draw	< 1.0
SA-59	WF	Outside Visit LR (R)	First Draw	< 1.0
SA-60	WF	Outside Weight (R)	First Draw	< 1.0

WF – Water Fountain
Bolded results exceeded the EPA Recommended Action Level of 20 ug/L (Pb), the NY State Action Level of 15 ppb and/or the proposed PA State Level of 5 ppb

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

December 07, 2023

Mike Kopar
Intertek PSI
850 Poplar Street
Pittsburgh, PA 15220

RE: Project: PINE-RICHLAND STADIUM 11/30
Pace Project No.: 70279324

Dear Mike Kopar:

Enclosed are the analytical results for sample(s) received by the laboratory on December 01, 2023. 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

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

Sincerely,

Lori Beyer

Lori A. Beyer
lori.beyer@pacelabs.com
516-370-6014
Project Manager

Enclosures

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

CERTIFICATIONS

Project: PINE-RICHLAND STADIUM 11/30
Pace Project No.: 70279324

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND STADIUM 11/30
Pace Project No.: 70279324

Sample: SA 54 **Lab ID: 70279324001** Collected: 11/30/23 06:40 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**1.4**	ug/L	1.0	1		12/06/23 12:21	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND STADIUM 11/30
Pace Project No.: 70279324

Sample: SA 55 **Lab ID: 70279324002** Collected: 11/30/23 06:40 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:59	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND STADIUM 11/30
Pace Project No.: 70279324

Sample: SA 56 **Lab ID: 70279324003** Collected: 11/30/23 06:40 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 13:01	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND STADIUM 11/30
Pace Project No.: 70279324

Sample: SA 57 **Lab ID: 70279324004** Collected: 11/30/23 06:40 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 13:02	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND STADIUM 11/30
Pace Project No.: 70279324

Sample: SA 58 **Lab ID: 70279324005** Collected: 11/30/23 06:40 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 13:04	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND STADIUM 11/30
Pace Project No.: 70279324

Sample: SA 59 **Lab ID: 70279324006** Collected: 11/30/23 06:40 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:33	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE-RICHLAND STADIUM 11/30
Pace Project No.: 70279324

Sample: SA 60 **Lab ID: 70279324007** Collected: 11/30/23 07:00 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 12:38	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: PINE-RICHLAND STADIUM 11/30
Pace Project No.: 70279324

QC Batch: 329732 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70279324001, 70279324002, 70279324003, 70279324004, 70279324005, 70279324006, 70279324007

METHOD BLANK: 1688129 Matrix: Water
Associated Lab Samples: 70279324001, 70279324002, 70279324003, 70279324004, 70279324005, 70279324006, 70279324007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	12/06/23 12:06	

LABORATORY CONTROL SAMPLE: 1688130

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.9	100	85-115	

MATRIX SPIKE SAMPLE: 1688132

Parameter	Units	70279321007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	47.9	95	70-130	

MATRIX SPIKE SAMPLE: 1688134

Parameter	Units	70279321008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	44.9	89	70-130	

SAMPLE DUPLICATE: 1688131

Parameter	Units	70279321007 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1688133

Parameter	Units	70279321008 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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: PINE-RICHLAND STADIUM 11/30
Pace Project No.: 70279324

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE-RICHLAND STADIUM 11/30
Pace Project No.: 70279324

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70279324001	**SA 54**	EPA 200.8	329732		
70279324002	**SA 55**	EPA 200.8	329732		
70279324003	**SA 56**	EPA 200.8	329732		
70279324004	**SA 57**	EPA 200.8	329732		
70279324005	**SA 58**	EPA 200.8	329732		
70279324006	**SA 59**	EPA 200.8	329732		
70279324007	**SA 60**	EPA 200.8	329732		

Pace® Location Requested (City/State):
Pace Analytical Long Island NY
575 Broad Hollow Rd, Melville, NY 11747

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 70279324

70279324

Company Name: INTERTEKLEAD
Street Address: 850 Poplar Street, Pittsburgh, PA 15220

Contact/Report To: Mike Kopar
Phone #: 412-385-0469
E-Mail: mike.kopar@intertek.com
Cc E-Mail:

Customer Project #: 08165069.3
Project Name: School Lead Sampling Pine-Richland
Site Collection Info/Facility ID (as applicable): STADIUM / ATHLETICS

Invoice To: Same
Invoice E-Mail:
Purchase Order # (if applicable):
Quote #: x

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
County / State origin of sample(s): ~~New York~~ Pennsylvania

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

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
[ ] 2 Day [ ] 3 day [ ] 5 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), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Specify Container Size **
Identify Container Preservative Type***
Analysis Requested

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

Lab Use Only: Proj. Mgr: Lori Beyer; AcctNum / Client ID:; Table #:; Profile / Template: 8705; Prelog / Bottle Ord. ID: 1150798

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected Time	Composite End Date	Composite End Time	Res. CL2	Containers Plastic	Containers Glass	200.8 Drinking Water LEAD	Sample Comment	Preservation non-conformance identified for sample.
SA 54	DW	G	11/30/23	06:40						X		
SA 55	↓	↓	↓	↓						X		
SA 56	↓	↓	↓	↓						X		
SA 57	↓	↓	↓	↓						X		
SA 58	↓	↓	↓	↓						X		
SA 59	↓	↓	↓	↓						X		
SA 60	↓	↓	↓	07:00						X		

Customer Remarks / Special Conditions / Possible Hazards:
Lead

Collected By:
Printed Name: Michael Kopar
Signature: [signature]

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature]	11.30.23	[signature] P-LI (14.2°C) (W)	12/1/23, 10:55

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

Client: INTERTEKLEAD Profile #: 8705

Work ID: Pine-Richard Stadium/Athletics 11/30 COC Page _____ of _____

☐ Use Point Number Spreadsheet ☐ Multiday Project

☐ Add SCLOGFD to first sample for field charge

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC
1																																1																						
2																																1																						
3																																1																						
4																																1																						
5																																1																						
6																																1																						
7																																1																						
8																																																					
9																																																					
10																																																					
11																																																					
12																																																					

Container Codes

Glass			
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass
DG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass
		AG1A	(NH4Cl)
WG9O	8oz clear soil jar		
WG4O	4oz clear soil jar		

Plastic	
BP4U	125mL unpreserved plastic
BP3U	250mL unpreserved plastic
BP2U	500mL unpreserved plastic
BP1U	1L unpreserved plastic
BP4N	125mL HNO3 plastic
BP3N	250mL HNO3 plastic
BP2N	500mL HNO3 plastic
BP3S	250mL H2SO4 plastic
BP2S	500mL H2SO4 plastic
BP3C	NaOH 250mL bottle
BP3T	250mL Trizma
BP35	250mL Ammonium Acetate
BP3R	250mL NH4SO4-NH4OH
BP1Z	1L NaOH, Zn Acetate
BP1N	1L HNO3 plastic
BP1B	Na Thiosulfate Amber Bottle

Misc.	
SP5T	120mL Coliform Na Thio
R	Terracore Kit
WG2U	2oz Unpreserved Jar
WGFU	4oz Unpreserved Jar
WGKU	8oz Unpreserved Jar
WGDU	16oz Unpreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClActetic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosullate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials _____

Additional Comments

WO#: 70279324

PM: LAB Due Date: 12/15/23

CLIENT: INTERTEKLEAD

WO#: 70279324
PM: LAB Due Date: 12/15/23
CLIENT: INTERTEKLEAD

Client Name: INTERTEKLEAD Project #

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

Tracking #: 7107 9430 3158

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: +0.4 ☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 13.8 Cooler Temperature Corrected(°C): 14.2 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: JH 12/11/23

				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	☑Yes Matrix: SL WT OIL OTHER	☐No		12.

Date and Initials of person checking preservation: JH 12/11/23

All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # 227022				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 #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sul	☐Yes	☐No	☑N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
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	

DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW : _____

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

TABLE 7.0
DRINKING WATER SAMPLES
Pine Richland Wexford Elementary
Sample Date: November 30, 2023

Sample No.	Source	Sample Location	Sample type	Analytical Result (Pb) (ug/L = ppb)
WE-61	Kettle	Kit Braising sprayer	First Draw	2.4
WE-62	Sink	Kit Food prep	First Draw	2.9
WE-63	WF	Kindergarten Locker Area (R)	First Draw	< 1.0
WE-64	WF	Locker Area (R)	First Draw	< 1.0
WE-65	WF	Outside Rm D 115 music	First Draw	< 1.0
WE-66	WF	Room B104	First Draw	< 1.0
WE-67	WF	Room B120	First Draw	< 1.0
WE-68	WF	Room C111	First Draw	< 1.0
WE-69	WF	Room C118	First Draw	< 1.0
WE-70	WF	Room C130	First Draw	2.8

WF – Water Fountain
Bolded results exceeded the EPA Recommended Action Level of 20 ug/L (Pb), the NY State Action Level of 15 ppb and/or the proposed PA State Level of 5 ppb

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

December 07, 2023

Mike Kopar
Intertek PSI
850 Poplar Street
Pittsburgh, PA 15220

RE: Project: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

Dear Mike Kopar:

Enclosed are the analytical results for sample(s) received by the laboratory on December 01, 2023. 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

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

Sincerely,

Lori A. Beyer
lori.beyer@pacelabs.com
516-370-6014
Project Manager

Enclosures

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

CERTIFICATIONS

Project: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

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

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

ANALYTICAL RESULTS

Project: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

Sample: W-61 **Lab ID: 70279317001** Collected: 11/30/23 07:20 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**2.4**	ug/L	1.0	1		12/06/23 10:39	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

Sample: W-62 **Lab ID: 70279317002** Collected: 11/30/23 07:20 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**2.9**	ug/L	1.0	1		12/06/23 10:46	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

Sample: W-63 **Lab ID: 70279317003** Collected: 11/30/23 07:20 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 10:48	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

Sample: W-64 **Lab ID: 70279317004** Collected: 11/30/23 07:20 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 10:49	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

Sample: W-65 **Lab ID: 70279317005** Collected: 11/30/23 07:20 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 10:51	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

Sample: W-66 **Lab ID: 70279317006** Collected: 11/30/23 07:20 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 10:52	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

Sample: W-67 **Lab ID: 70279317007** Collected: 11/30/23 07:20 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 10:54	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

Sample: W-68 **Lab ID: 70279317008** Collected: 11/30/23 07:20 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 10:55	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

Sample: W-69 **Lab ID: 70279317009** Collected: 11/30/23 07:20 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**<1.0**	ug/L	1.0	1		12/06/23 10:57	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

Sample: W-70 **Lab ID: 70279317010** Collected: 11/30/23 07:42 Received: 12/01/23 10:55 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**2.8**	ug/L	1.0	1		12/06/23 11:01	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

QC Batch: 329728 | Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 | Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70279317001, 70279317002, 70279317003, 70279317004, 70279317005, 70279317006, 70279317007, 70279317008, 70279317009, 70279317010

METHOD BLANK: 1688113 Matrix: Water
Associated Lab Samples: 70279317001, 70279317002, 70279317003, 70279317004, 70279317005, 70279317006, 70279317007, 70279317008, 70279317009, 70279317010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	12/06/23 10:31	

LABORATORY CONTROL SAMPLE: 1688114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.7	101	85-115	

MATRIX SPIKE SAMPLE: 1688116

Parameter	Units	70279521001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	46.6	93	70-130	

MATRIX SPIKE SAMPLE: 1688118

Parameter	Units	70279317001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	2.4	50	46.3	88	70-130	

SAMPLE DUPLICATE: 1688115

Parameter	Units	70279521001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1688117

Parameter	Units	70279317001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	2.4	2.4	1	

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: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE RICHLAND WEXFORD ELEM
Pace Project No.: 70279317

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70279317001	**W-61**	EPA 200.8	329728		
70279317002	**W-62**	EPA 200.8	329728		
70279317003	**W-63**	EPA 200.8	329728		
70279317004	**W-64**	EPA 200.8	329728		
70279317005	**W-65**	EPA 200.8	329728		
70279317006	**W-66**	EPA 200.8	329728		
70279317007	**W-67**	EPA 200.8	329728		
70279317008	**W-68**	EPA 200.8	329728		
70279317009	**W-69**	EPA 200.8	329728		
70279317010	**W-70**	EPA 200.8	329728		

Pace® Location Requested (City/State):
Pace Analytical Long Island NY
575 Broad Hollow Rd, Melville, NY 11747

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 70279317

70279317

Company Name:	INTERTEKLEAD	Contact/Report To:	Mike Kopar
Street Address:	850 Poplar Street, Pittsburgh, PA 15220	Phone #:	412-385-0469
		E-Mail:	mike.kopar@intertek.com
		Cc E-Mail:	
Customer Project #:	08165069.3	Invoice To:	Same
Project Name:	School Lead Samping Pine-Richland	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):	WEXFORD ELEM.	Purchase Order # (if applicable):	
		Quote #:	x
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s):	~~New York~~ Pennsylvania
Data Deliverables:	[ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable:	
		Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other	DW PWSID # or WW Permit # as applicable:
		Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No
			Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

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

Lab Use Only: Proj. Mgr: Lori Beyer; AcctNum / Client ID:; Table #:; Profile / Template: 8705; Prelog / Bottle Ord. ID: 1150798

Preservation non-conformance identified for sample.

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. CL2	Number & Type of Containers: Plastic	Number & Type of Containers: Glass	200.8 Drinking Water LEMD	Sample Comment
W 61	DW	G	11/30/23	07:20						X	
W 62										X	
W 63										X	
W 64										X	
W 65										X	
W 66										X	
W 67										X	
W 68										X	
W 69										X	
W 70				07:42						X	

Customer Remarks / Special Conditions / Possible Hazards:
Lead

Collected By:
Printed Name: Michael Kopar
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)

Relinquished by/Company: (Signature)	Date/Time: 11.30.23	Received by/Company: (Signature) (14.2°C) (N)	Date/Time: 12/1/23, 10:55	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

2

Client: INTERTEKLEAD Profile #: 8705

Work ID: Pine Richland - WEXFORD ELEM 11/30 User Page _____ of _____

☐ Use Point Number Spreadsheet ☐ Multiday Project

☐ Add SCLOGFD to first sample for field charge

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	DG9T	DG9Y	DG9P	DG9A	DG6T	DG6S	AG4U	AG3U	AG2U	AG1U	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	CG1U	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	IOC	SOC
1																														1																						
2																														1																						
3																														1																						
4																														1																						
5																														1																						
6																														1																						
7																														1																						
8																														1																						
9																														1																						
10																														1																						
11																																																				
12																																																			

Container Codes

Glass				Plastic		Misc.	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic	SP5T	120mL Coliform Na Thio
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	R	Terracore Kit
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic	WG2U	2oz Unpreserved Jar
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic	WGFU	4oz Unpreserved Jar
DG9T	40mL Na Thiosulfate vial	AG3S	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic	WGKU	8oz Unpreserved Jar
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic	WGDU	16oz Unpreserved Jar
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic	ZPLC	Ziplock Bag
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic	TEDL	Tedlar Bag
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic	BG1H	1L HCL Clear Glass
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle	GN	General
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma	WP	Wipe
		AG1A	(NH4Cl)	BP35	250mL Ammonium Acetate		
WG9O	8oz clear soil jar			BP3R	250mL NH4SO4-NH4OH		
WG4O	4oz clear soil jar			BP1Z	1L NaOH, Zn Acetate		
				BP1N	1L HNO3 plastic		
				BP1B	Na Thiosulfate Amber Bottle		

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClAcletic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials CS

Additional Comments

WO# : 70279317

PM: LAB Due Date: 12/15/23

CLIENT: INTERTEKLEAD

WO#: 70279317
PM: LAB Due Date: 12/15/23
CLIENT: INTERTEKLEAD

Client Name: INTERTEKLEAD Project #

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

Tracking #: 7107 9430 3158

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: +0.4 ☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 13.8 Cooler Temperature Corrected(°C): 14.2 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: JH 12/11/23

				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	☑Yes	☐No		12.
Matrix:	SL WT	OIL	OTHER	

Date and Initials of person checking preservation: JH 12/11/23

All containers needing preservation have been pH paper Lot # 224522	☐Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl 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) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	☐Yes	☐No	☑N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sul Lead Acetate Strips Lot #	☐Yes	☐No	☑N/A	15. Positive for Sulfide? Y N
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	

DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW: _____

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

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

January 24, 2024

Mike Kopar
Intertek PSI
850 Poplar Street
Pittsburgh, PA 15220

RE: Project: SCHOOL LEAD SAMPLING
Pace Project No.: 70284839

Dear Mike Kopar:

Enclosed are the analytical results for sample(s) received by the laboratory on January 22, 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

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

Sincerely,

Lori A. Beyer
lori.beyer@pacelabs.com
516-370-6014
Project Manager

Enclosures

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

CERTIFICATIONS

Project: SCHOOL LEAD SAMPLING
Pace Project No.: 70284839

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

ANALYTICAL RESULTS

Project: SCHOOL LEAD SAMPLING
Pace Project No.: 70284839

Sample: RE-01 **Lab ID: 70284839001** Collected: 12/14/23 08:00 Received: 01/22/24 09:17 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**2.2**	ug/L	1.0	1		01/24/24 15:02	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: SCHOOL LEAD SAMPLING
Pace Project No.: 70284839

Sample: RE-02 **Lab ID: 70284839002** Collected: 01/12/24 07:00 Received: 01/22/24 09:17 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**3.2**	ug/L	1.0	1		01/24/24 15:03	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: SCHOOL LEAD SAMPLING
Pace Project No.: 70284839

QC Batch: 335001
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70284839001, 70284839002

METHOD BLANK: 1721479 Matrix: Water
Associated Lab Samples: 70284839001, 70284839002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	01/24/24 14:47	

LABORATORY CONTROL SAMPLE: 1721480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	52.4	105	85-115	

MATRIX SPIKE SAMPLE: 1721482

Parameter	Units	70284778001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	50.9	101	70-130	

SAMPLE DUPLICATE: 1721481

Parameter	Units	70284778001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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: SCHOOL LEAD SAMPLING
Pace Project No.: 70284839

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SCHOOL LEAD SAMPLING
Pace Project No.: 70284839

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70284839001	**RE-01**	EPA 200.8	335001		
70284839002	**RE-02**	EPA 200.8	335001		

Pace® Location Requested (City/State):
Pace Analytical Long Island NY
575 Broad Hollow Rd, Melville, NY 11747

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 70284839

70284839

Company Name:	INTERTEKLEAD	Contact/Report To:	Mike Kopar
Street Address:	850 Poplar Street, Pittsburgh, PA 15220	Phone #:	412 385-0469
		E-Mail:	mike.kopar@intertek.com
		Cc E-Mail:	
Customer Project #:	08165069.3	Invoice To:	Mike Kopar
Project Name:	School Lead Samping	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	08165069.3 Pace Richland
		Quote #:	x

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): ~~New York~~ PA

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

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
[X] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____
Date Results Requested: 1-19-24

DW PWSID # or WW Permit # as applicable:

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

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

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

Lab Use Only
Proj. Mgr: Lori Beyer
AcctNum / Client ID:
Table #:
Profile / Template: 8705
Prelog / Bottle Ord. ID: 1150798

Preservation non-conformance identified for sample.

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	200.8 Drinking Water LEAD	Sample Comment
RE-01	DW	G	12/14/23	8:00am						X	
RE-02	DW	G	1/12/24	7:00am						X	

Customer Remarks / Special Conditions / Possible Hazards:
Lead

Collected By:
Printed Name: Jeffrey W. Zimmerman
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)
1 DW	TH241	+0.4	3.1	3.5

	Date/Time:		Date/Time:
Relinquished by/Company: (Signature)	1-16-24	Received by/Company: (Signature) FEDEX	1/22/24 9:17
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	

Tracking Number: 6389 2358 6380

Delivered by: [ ] In-Person [ ] Courier
[ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

WO#: 70284839
PM: LAB Due Date: 02/05/24
CLIENT: INTERTEKLEAD

Client Name: interteklead Project #

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

Tracking #: 6889 2358 6380

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No Temperature Blank Present: ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☑ Other Type of Ice: Wet Blue (None)

Thermometer Used: TH211 Correction Factor: +0.4 ☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 3.0 Cooler Temperature Corrected(°C): 3.4 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 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: ASF 1/22/24

				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.

Date and Initials of person checking preservation: ASF 1/22/24

All containers needing preservation have been pH paper Lot #Z136234	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl 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) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	☐Yes	☐No	☑N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide: Lead Acetate Strips Lot #	☐Yes	☐No	☑N/A	15. Positive for Sulfide? Y N
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	

DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW: RBZ 1/22/24

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.